University of Niš
Faculty of Mechanical Engineering

COMPETENCE OF ADVISORS ENGAGED IN THE STUDY PROGRAMME OF DOCTORAL ACADEMIC STUDIES IN MECHANICAL ENGINEERING

Niš, January 2020

List of the professors employed at the Faculty of Mechanical Engineering in Niš

No.	Title	Surname, middle initial, first name	Rank	Total number of papers on the SCI (SSCI) list
1.	Dr	Anđelković R. Boban	full professor	9
2.	Dr	Vukić V. Mića	full professor	15
3.	Dr	Živković S. Dragoljub	full professor	12
4.	Dr	Manić T. Miodrag	full professor	25
5.	Dr	Milosavljević M. Peđa	full professor	8
6.	Dr	Milošević S. Miloš	full professor	10
7.	Dr	Milčić S. Dragan	full professor	10
8.	Dr	Mitrović S. Melanija	full professor	20
9.	Dr	Nikolić D. Vlastimir	full professor	56
10.	Dr	Pavlović T. Nenad	full professor	12
11.	Dr	Petković D. Ljiljana	full professor	45
12.	Dr	Radovanović R. Miroslav	full professor	25
13.	Dr	Radović M. Ljiljana	full professor	19
14.	Dr	Rajković M. Predrag	full professor	32
15.	Dr	Ranđelović S. Saša	full professor	7
16.	Dr	Stamenković S. Dušan	full professor	16
17.	Dr	Stefanović M. Gordana	full professor	18
18.	Dr	Stefanović P. Velimir	full professor	17
19.	Dr	Stojanović V. Branislav	full professor	13
20.	Dr	Stojiljković M. Mladen	full professor	15
21.	Dr	Trajanović D. Miroslav	full professor	44
22.	Dr	Ćojbašić M. Žarko	full professor	53
23.	Dr	Blagojević A. Vladislav	associate professor	7
24.	Dr	Živković M. Predrag	associate professor	17
25.	Dr	Janevski B. Goran	associate professor	17
26.	Dr	Janevski N. Jelena	full professor	12
27.	Dr	Janković Lj. Predrag	associate professor	8
28.	Dr	Jovanović M. Miloš	associate professor	9
29.	Dr	Laković Paunović S. Mirjana	associate professor	10
30.	Dr	Mijajlović M. Miroslav	associate professor	10
31.	Dr	Milanović M. Saša	associate professor	5
32.	Dr	Milovančević D. Miloš	associate professor	7
33.	Dr	Mitrović M. Dejan	associate professor	11
34.	Dr	Mišić T. Dragan	associate professor	11
35.	Dr	Petrović S. Goran	associate professor	9
36.	Dr	Radenković M. Goran	associate professor	13
37.	Dr	Spasić T. Živan	associate professor	8
38.	Dr	Stamenković M. Živojin	associate professor	15
39.	Dr	Stojković S. Miloš	associate professor	27
40.	Dr	Stefanović-Marinović D. Jelena	associate professor	5
41.	Dr	Banić S. Milan	assistant professor	14
42.	Dr	Bogdanović-Jovanović B. Jasmina	assistant professor	9
43.	Dr	Vitković M. Nikola	assistant professor	16
44.	Dr	Vučković D. Goran	assistant professor	13
45.	Dr	Zdravković M. Milan	assistant professor	14
46.	Dr	Ignjatović G. Marko	assistant professor	12
47.	Dr	Jovanović D. Vesna	assistant professor	5
48.	Dr	Korunović D. Nikola	assistant professor	6
49.	Dr	Kocić M. Miloš	assistant professor	9
50.	Dr	Marković S. Danijel	assistant professor	7
51.	Dr	Milić Đ. Predrag	assistant professor	5

List of the professors employed at the Faculty of Mechanical Engineering in Niš – continued

No.	Title	Surname, middle initial, first name	Rank	Total number of papers on the SCI (SSCI) list
52.	Dr	Milovanović R. Jelena	assistant professor	10
53.	Dr	Miltenović V. Aleksandar	assistant professor	12
54.	Dr	Nikolić D. Boban	assistant professor	6
55.	Dr	Pavlović R. Ivan	assistant professor	19
56.	Dr	Petković Lj. Dušan	assistant professor	10
57.	Dr	Petrović D. Jelena	assistant professor	11
58.	Dr	Rakić S. Dragan	assistant professor	11
59.	Dr	Simonović D. Julijana	assistant professor	8
60.	Dr	Stojanović S. Vladimir	assistant professor	26
61.	Dr	Stojiljković M. Mirko	assistant professor	14
62.	Dr	Trifunović B. Milan	assistant professor	8
63.	Dr	Ćirić T. Ivan	assistant professor	11
64.	Dr	Cvetković M. Aleksandra	assistant professor	21
65.	Dr	Marinković Z. Dragan	full professor	38
66.	Dr	Ristić-Durrant D. Danijela	associate professor	12

List of the professors with additional employment at the Faculty of Mechanical Engineering in Niš

No.	Title	Surname, middle initial, first name	Rank	Total number of papers on the SCI (SSCI) list
1.	Dr	Dorić Ž. Jovan	associate professor	6
2.	Dr	Ružić A. Dragan	associate professor	5

First name and surname		BOBAN R. ANĐELKOVIĆ	
Rank		Full professor	
Specialized scientific field		Mechanical Design	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2017	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2006	Faculty of Mechanical Engineering in Niš	Mechanical Design
Magister degree	1993	Faculty of Mechanical Engineering in Niš	Mechanical Design
Master's degree			
Engineer's degree	1982	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"A research on influence of the friction stir welding's parameters on welded joint's fatigue strength at AA 2024 T351"	Miodrag Milčić	26/10/2016	

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Mijajlović, M., Milčić, D., Anđelković, B., Vukićević, M., Bjelić, M.: ***Mathematical Model for Analytical Estimation of Generated Heat during Friction Stir Welding. Part 1***, Journal of Balkan Tribological Association, 17 (2011), 2, pp. 179 – 191	M23
2.	Mijajlović, M., Milčić, D., Anđelković, B., Vukićević, M., Bjelić, M.: ***Mathematical Model for Analytical Estimation of Generated Heat during Friction Stir Welding. Part 2***, Journal of Balkan Tribological Association, 17 (2011), 3, pp. 361 – 370	M23
3.	Anđelković, B., Djordjević B., Milovančević M., Jovanović N.: ***Modeling steady state thermal defectoscopy of steel solids using two side testing***, Thermal Science, ISSN 0354-9836, Year 2016, Vol. 20, Suppl. 5, pp. S1333-S1343, DOI: 10.2298/TSCI16S5333A	M23
4.	Aca D. Micić, Biljana R. Đorđević, Predrag N. Lekić, Boban R. Anđelković,: ***Automatic Determination of Filter Coefficients for Local Contrast Enhancement***, Transactions of FAMENA, University of Zagreb, FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE, Vol. 37, No 1, pp 63 – 76, 2013	M23
5.	Milovančević M., Nikolić V., Anđelković B.: ***Analyses of the most influential factors for vibration monitoring of planetary power transmissions in pellet mills by adaptive neuro-fuzzy technique***, Mechanical Systems and Signal Processing, ISSN 0888-3270, (2016), pp 356 – 375, dx.doi.org/10.1016/j.ymssp.2016.05.028	M21
6.	Janošević D., Mitrev R., Andjelković B., Petrov P.: ***Quantitative measures for assessment of the hydraulic digging efficiency***, Journal of Zhejiang University-SCIENCE A (Engineering), ISSN 1673-565X (Print), ISSN 1862-1775 (Online), 2012 Vol.13 No.12, pp 926-942, DOI: 10.1631/jzus.A1100318, 2012	M23
7.	Anđelković B., Milčić D, Janošević D., Milovančević M.: ***Modified Neural network-based study into the coefficient of friction in pressed assemblies***. Transactions of FAMENA, University of Zagreb, FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE, Vol. 34, No 3 pp 29 – 38, 2010	M23
8.	Andjelković B., Djordjević B., Jovanović N.: ***Modeling of defects detection by analyzing thermal images***, Facta Universitatis, Series: Mechanical Engineering, ISSN 0354-2025, Vol. 12, No 2 (2014), pp 123 – 136,	M24
9.	Milovančević M., Stefanović-Marinović J., Anđelković B., Veg A.: ***Embedded Condition Monitoring of Power Transmission of a Pellet Mill***. Transactions of FAMENA, University of Zagreb, FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE, Vol. 34, No 2 pp 71 – 80, 2010	M23
10.	Zdravković N., Anđelković B., Milčić D., Milčić M., Pavlović V., ***Adhesive bonding of railway vehicles and parts***, Scientific – expert conference on Railways RAILCON '18, 11 – 12. 10. 2018, Niš, Serbia, pp 225 – 228	M33
11.	Djokić V., Andjelković B.: ***Osnove konstruisanja u mašinstvu – zbirka zadataka [Basics of design in mechanical engineering – collection of tasks]***, Mašinski fakultet Univerziteta u Nišu, Unigraf X-Copy, 2011, ISBN 978-86-6055-022-6, COBISS.SR-ID 188233740	
12.	Milovančević M., Milčić D., Andjelković B.: ***Projektni menadžment [Project management]***, Mašinski fakultet Univerziteta u Nišu, Unigraf X-Copy, 2015, ISBN 978-86-6055-069-1	

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	38 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	9	
Current participation in projects	Domestic: 2	International: 0

Professional development	
Other information considered relevant	

First name and surname		**MIĆA V. VUKIĆ**	
Rank		Full professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2015	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2004	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	1996	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Master's degree			
Engineer's degree	1990	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Experimental and numerical investigation of thermal and fluid flow processes in package of perforated plates"	Mladen Tomić		10/07/2015

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Tomić M., Živković P., Milutinović B., Vukić M., Andjelković A.: ***Experimental and Numerical Investigation of Thermal and Fluid-Flow Processes in a Matrix Heat Exchanger***, Thermal Science, Vinca Inst Nuclear SCI (2019) Vol. 23, No. 1, pp. 11-21.	M22
2.	Tomić M., Ayed S., Stevanović Ž., Đekić P., Živković P., Vukić M.: ***Perforated Plate Convective Heat Transfer Analysis***, Int. Journal of Thermal Sciences, Elsevier France-Editions Scientifiques Medicales Elsevier (2018) Vol. 124, pp. 300- 306.	M21a
3.	Đorđević M., Stefanović V., Vukić M., Mančić M.: ***Experimental Investigation of the Convective Heat Transfer in a Spirally Coiled Corrugated Tube with Radiant Heating***, Facta Universitatis Series: Mech. Engin. (2017) Vol. 13, No 3, pp. 495 – 506.	M24
4.	Đorđević M., Stefanović V., Vukić M., Mančić M.: ***Numerical Investigation on the Convective Heat Transfer in a Spiral Coil with Radiant Heating***, Thermal Science (2016) Vol. 20, Suppl. 5, pp. S1215-S1226.	M23
5.	Živković P., Tomić M., Janevski J., Stevanović Ž., Milutinović B., Vukić M.: ***Experimental and Analytical Research of the Heat Transfer Process in the Package of Perforated Plates***, Thermal Science (2016) Vol. 20, Suppl. 5, pp. S1251-S1257.	M22
6.	Janevski J., Stojiljković M., Stojanović B., Vukić M.: ***Experimental Research of the Influence of Particle Size and Fluidization Velocity on Zeolite Drying in a Two-Component Fluidized Bed***, Thermal Science (2016) Vol. 20, Suppl. 1, pp. S103-S111.	M23
7.	Stevanović Ž., Ilić G., Vukić M., Živković P., Blagojević B., Banjac M.: ***CFD simulations of thermal comfort in naturally ventilated primary school classrooms***, Thermal Science (2016) Vol. 20, Suppl. 1, pp. S287-S296.	M23
8.	Vučković G., Stojiljković M., Vukić M.: ***First and Second Level of Exergy Destruction Splitting in Advanced Exergy Analysis for an Existing Boiler***, Energy Conversion and Management (2015) Vol. 104, No. 1, pp. 8-16.	M21a
9.	Vukić M., Janevski J., Vučković G., Stojanović B., Petrović A.: ***Experimental Investigation of the Drying Kinetics of Corn in a Packed and Fluidized Bed***, Iranian Journal of Chem. and Chem. Engin. (2015) Vol. 34, No. 3., pp. 43-49.	M23
10.	Vučković G., Stojiljković M., Vukić M., et all: ***Advanced Exergy Analysis and Exergoeconomic Performance Evaluation of Thermal Processes in an Existing Industrial Plant***, Energy Conversion and Management (2014) Vol. 85, pp.655-662.	M21a
11.	Vukić M., Tomić M., Živković P., Ilić G.: ***Effect of Segmental Baffles on the Shell-and-Tube Heat Exchanger Effectiveness***, Chemical Industry Journal (2014) Vol. 68, No. 2, pp. 171-177.	M23
12.	Tomić M., Živković P., Vukić M., Ilić G., Stojiljković M.: ***Numerical Study of Perforated Plate Convective Heat Transfer***, Thermal Science (2014) Vol. 18, No. 3, pp. 949-956.	M22
13.	Ilić G., Vukić M., Radojković N., Živković P., Stojanović I.: ***Termodinamika II – osnove prostiranja toplote i materije [Thermodynamics II – basics of heat and mass transfer]***, Mašinski fakultet Univerziteta u Nišu, Unigraf X-Copy, ISBN 978-86-6055-056-1, Niš, 2014.	-

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	86 (*source Scopus*)

Total number of papers on the SCI (or SSCI) list	15	
Current participation in projects	Domestic: 2	International: 0
Professional development *DAAD grant beneficiary from 2001 to 2006 within the international project (Nuremberg-Erlangen, Sofia, Niš): Development and Application of Numerical Methods for Calculation and Optimization of Pollutant Reduced Industrial Furnaces and Efficient Heat Exchangers.*		
Other information considered relevant		

First name and surname		DRAGOLJUB S. ŽIVKOVIĆ	
Rank		Full professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2003	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	1993	Faculty of Mechanical Engineering in Belgrade	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	1985	Faculty of Mechanical Engineering in Belgrade	Thermal Engineering, Thermoenergetics and Process Engineering
Master's degree			
Engineer's degree	1980	Faculty of Mechanical Engineering in Belgrade	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Techno-economical combined heat and power production plant optimization"	Dejan Mitrović		01/10/2010
2.	"Study of thermal-hydraulic conditions on a heated surface with nucleate boiling and boiling crisis"	Andrijana Stojanović		24/05/2017
3.	"A methodology for techno-economic optimization of poligeneration systems based on utilization of renewable energy sources"	Marko Mančić		29/03/2018
4.	"Numerical-experimental analysis of thermomechanical structure state of fire-tube hot water boilers in variable operating modes"	Milena Rajić	20/05/2019	

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Mitrović D., Živković D., ***Computation of Working Life Consumption of a Steam Turbine Rotor***, Journal of Pressure Vessel Technology – Transactions of the ASME (USA), Vol. 132, p. 021202/1-021202/6., 2010.	M22
2.	Mitrović D., Živković D., Laković M., ***Energy and Exergy Analysis of a 348.5 MW Steam Power Plant***, Energy Sources, Part A – Recovery, Utilization and Environmental Effects (USA),Vol.32, p.1016-1027, 2010.	M22
3.	Živković D., Milčić D., Banić M., Milosavljević P., ***Thermomechanical Finite Element Analysis of Hot Water Boiler Structure***, THERMAL SCIENCE, 2012, Vol. 16, Suppl. 2, ISSN 0354-9836, p. 443-456.	M23
4.	Grković V., Živković D., Guteša M., ***A New Approach in CHP Steam Turbines Thermodynamic Cycles Computations***, Thermal Science, Year 2012, Vol. 16, Suppl. 2, Society of Thermal Engineers of Serbia, ISSN 0354-9836, p. 457-466.	M23
5.	Jovanovic G., Zivkovic D., Mancic M., Stankovic V., Stankovic D. et al., ***A model of a Serbian energy efficient house for decentralized electricity production***, Journal of Renewable and Sustainable Energy (jrse.aip.org), American Institute of Physics, Citation: J. Renewable Sustainable Energy 5, 041810 (2013); doi: 10.1063/1.4812997	M23
6.	Mančić M., Živković D., Milosavljević P., Todorović M., ***Mathematical Modelling and Simulation of the Thermal Performance of a Solar Heated Indoor Swimming Pool***, THERMAL SCIENCE, Institut za nuklearne nauke "Vinča", 18, 3, pp. 999 - 1010, 0354-9836, 621, 10.2298/TSCI1403999M, 2014.	M22
7.	Rajić M., Živković D., Mančić M., Ilić G., ***Application of Energy and Exergy Analysis to Increase Efficiency of a Hot Water Gas Fired Boiler***, Chem. Ind. Chem. Eng. Q. - CICEQ, Association of the Chemical Engineers of Serbia, 20, 4, pp. 511 - 521, 1451-9372, 621.1:53, 10.2298/CICEQ130716033T, 2014.	M23
8.	Mančić M., Živković D., Đorđević M., Rajić M., ***Optimization of a Polygeneration System for Energy Demands of a Livestock Farm***, THERMAL SCIENCE, Vinča Institute of Nuclear Sciences, Belgrade, 20, Sup5, pp. 1285 - 1300, 2334-7163, 10.2298/TSCI16S5285M, 2016.	M22
9.	Stojanović A., Stevanović V., Petrović M., Živković D., ***Numerical Investigation of Nucleate Pool Boiling Heat Transfer***, THERMAL SCIENCE, Vinča Institute of Nuclear Sciences, Belgrade, 20, Sup5, pp. 1301 - 1312, 2334-7163, 10.2298/TSCI16S5285M, 2016.	M22

10.	Mancic M., Zivkovic D., Djordjevic M., Jovanovic M., Rajic M., Mitrovic D., ***Techno-Economic Optimization of Configuration and Capacity of a Polygeneration System for the Energy Demands of a Public Swimming Pool Building***, THERMAL SCIENCE, (2018), vol. 22 br. , Suppl. 5, str. S1535-S1549. ISSN 0354-9836	M22
11.	Rajic M., Banic M., Zivkovic D., Tomic M., Mancic M., ***Construction Optimization of Hot Water Fire-Tube Boiler Using Thermomechanical Finite Element Analysis***, Thermal Science, (2018), vol. 22, Suppl. 5, str. S1511-S1523.	M22
12.	Rajić M., Živković D., Mančić M., Milčić D**.,** ***Dynamic behaviour of hot water boilers during start up***, Facta Universitatis, Series: Mechanical Engineering, University of Nis, 12, 1, pp. 85 - 94, 0354-2025, 2014.	M24
13.	Živković D., ***Matematičko modelovanje dinamičkog ponašanja parnih turbina pri nestacionarnim režimima rada [Mathematical modelling of the dynamic behaviour of steam turbines in unsteady operation modes]***, *Monografija* - Turbomašine, Grejanje i Klimatizacija, ISBN86-7083-211-9, s.245-256., Beograd, 1992.	M44

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	47 – Scopus; 97 – Google Scholar	
Total number of papers on the SCI (or SSCI) list	12	
Current participation in projects	Domestic: 2	International: 1
Professional development: *Specialization in the field of multiphase flows and unsteady processes in thermal energy plants, Faculty of Mechanical Engineering, Technical University of Prague, Czech Republic, (6 months), 1986.*		
Other information considered relevant	*Member of the Editorial Board of the "TEHNIKA – Mašinstvo" journal since 2004*	

First name and surname		**MIODRAG T. MANIĆ**	
Rank		Full professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2006	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	1995	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree	1989	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Master's degree			
Engineer's degree	1980	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Modeling of the correlations among the metal cutting process parameters using the adaptive neuro-fuzzy systems"	Dejan Tanikić		18/09/2009
2.	"Modeling of the correlations between the parameters of the plasma arc cutting and heat balance analysis using methods of artificial intelligence"	Anđela Lazarević		07/05/2010
3.	"Analysis of parameters of manufacturability based on the semantic features of the product model"	Miloš Stojković		01/04/2011
4.	"Customized implants manufacturability analysis using artificial intelligence methods"	Miloš Ristić, MSc		10/03/2017
5.	"Parametric models of the plate implants for humerus bone"	Mohammed Al-Rijebat		15/03/2019
6.	"Creation of 3D parametric human mandible model based on techniques of artificial intelligence"	Mitić Jelena		05/07/2019

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Vitković, N., Mladenović, S., Trifunović, M., Zdravković, M., Manić, M., Trajanović, M., Mišić, D., & Mitić, J. (2018). ***Software Framework for the Creation and Application of Personalized Bone and Plate Implant Geometrical Models***. Journal of Healthcare Engineering, 2018, Article ID 6025935, 11 pages. DOI: 10.1155/2018/6025935	M23
2.	Trifunovic, M., Stojkovic, M., Trajanovic, M., Manic, M., Misic, D., & Vitkovic, N. (2016). ***Analysis of semantic features in free-form objects reconstruction***. Artificial Intelligence for Engineering Design, Analysis and Manufacturing, 30(1), 44-63. DOI: 10.1017/S0890060415000153	M23
3.	Stojkovic, M., Trifunovic, M., Misic, D., & Manic, M. (2015). ***Towards Analogy-Based Reasoning in Semantic Network***. Computer Science and Information Systems, 12(3), 979-1008. DOI: 10.2298/CSIS141103036S	M23
4.	Trifunovic, M., Stojkovic, M., Misic, D., Trajanovic, M., Manic, M. (2015). ***Recognizing Topological Analogy in Semantic Network***. International Journal on Artificial Intelligence Tools, 24(3), 1550006-1 - 1550006-25. DOI: 10.1142/S0218213015500062	M23
5.	Mišic, D., Stojkovic, M., Domazet, D., Trajanovic, M., Manic, M., Trifunovic, M. (2010). ***Exception detection in business process management systems***. Journal of Scientific & Industrial Research, 69(3), 188-193.	M22
6.	Madic M., Radovanovic M., Manic M., Trajanovic M., ***Optimization of ANN models using different optimization methods for improving CO2 laser cut quality characteristics,*** Journal of the Brazilian Society of Mechanical Sciences and Engineering, (2014), vol. 36 br. 1, str. 91-99	M22
7.	Manic M., Miltenovic V., Stojkovic M., Banic M., ***Feature Models in Virtual Product Development,*** Strojniski Vestnik-Journal of Mechanical Engineering, (2010), vol. 56 br. 3, str. 169-178	M23

8.	Tanikic D., Manic M,. Mancic D., Radenkovic G., ***Metal cutting process parameters modeling: an artificial intelligence approach***, Journal of Scientific & Industrial Research, (2009), vol. 68 br. 6, str. 530-539	M22
9.	Tanikic D., Manic M., Devedzic G., Cojbasic Z., ***Modelling of the Temperature in the Chip-forming Zone Using Artificial Intelligence Techniques,*** Neural Network World, (2010), vol. 20 br. 2, str. 171-187	M23
10.	N. Vitkovic, J. Mitic, M. Manic, M. Trajanovic, K. Husain, S. Petrovic, S. Arsic, ***"The Parametric Model of the Human Mandible Coronoid Process Created by Method of Anatomical Features***", Hindawi publishing corporation 2015.	M23
11.	Milenkovic S., Mitkovic M., Micic I., Mladenovic D., Najman S., Trajanovic M., Manic M., Mitkovic M., ***Distal tibial pilon fractures (AO/OTA type B, and C) treated with the external skeletal and minimal internal fixation method***, Vojnosanitetski Pregled 2013; 70(9): 836–841	M23
12.	Vitković,N., J. Milovanović, M.Trajanović, M.Stojković, N.Korunović, M. Manić, ***Different Approaches for the Creation of Femur Anatomical Axis and Femur Shaft Geometrical Models***, Strojarstvo: časopis za teoriju i praksu u strojarstvu, Vol. 54, No 3, pp 247-255, 2012.	M23
13.	Randjelovic S., **Manic M.,** Trajanovic M., Milutinovic M., Movrin D., ***The impact of die angle on tool loading in the process of cold extruding steel,*** Materials and technology, 46 (2012) 2, pp 149–154, ISSN: 1580-2949	M23
14	Rashid H., Vitkovic N., Manic M., Trajanovic M., Mitkovic M. B., Mitkovic M.M., ***Geometrical Model Creation Methods for Human Humerus Bone and Modified Cloverleaf Plate***, Journal of Scientific & Industrial Research, (2017), vol. 76 br. 10, str. 631-639	M23

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	110 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	25	
Current participation in projects	Domestic: 2	International: 2
Professional development *Professional development in Manchester, England, at the UMIST Manufacturing and Machine Tools Engineering Division.* *"Shop Turn, Shop Mill Operating and Programming Train the Trainer", SIEMENS Training for Automation and Industrial Solutions; March 2012 Bucharest, Romania*		
Other information considered relevant		

First name and surname		PEĐA M. MILOSAVLJEVIĆ	
Rank		Full professor	
Specialized scientific field		Industrial Management	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2015	Faculty of Mechanical Engineering in Niš	Industrial Management
Doctorate	2005	Faculty of Mechanical Engineering in Niš	Industrial Management
Magister degree	1997	Faculty of Mechanical Engineering in Niš	Production Engineering
Master's degree			
Engineer's degree	1992	Faculty of Mechanical Engineering in Niš	Production Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Risk management model in car insurance"	Ivan Radojković, MSc		04/11/2016
2.	"Development of an integrated management and planning model of in terms of risk in an industrial enterprise"	Sofija Pavlović, MSc		16/05/2017
3.	"Development of model of maintenance system by applying simulation"	Saša Petrović		27/02/2019
4.	"Improvement of services efficiency in health care facilities by using modern quality concepts, methods and tools"	Srđan Mladenović	08/12/2014	

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	I. Radojković, P. Milosavljević, G. Janaćković, M. Grozdanović, ***The key risk indicators of road traffic crashes in Serbia, Nis region***, International Journal of Injury Control and Safety Promotion, Taylor & Francis Group, 2019, Vol. 26, No 1, Page 45-51.	M23
2.	M. Milovanović, D. Antić, M. Rajić, P. Milosavljević, A. Pavlović, C. Fragassa, ***Wood resource management using an endocrine NARX neural network***, European Journal of Wood and Wood Products, Vol. 76, No 2, 2018, Springer-Verlag GmbH Germany, Page 687-697.	M21
3.	S. Petrović, P. Milosavljević, J. Lozanović Šajić, ***RAPID evaluation of maintenance process using statistical process control and simulation***, International Journal of Simulation Modelling, Vol. 17 (2018) 1, DAAAM International Vienna, Page 119-132.	M22
4.	S. Mladenović, P. Milosavljević, N. Milojević, D. Pavlović, M. Todorović, ***The Path towards Achieving a Lean Six Sigma Company using the Example of the Shinwon Company in Serbia***, Facta Universitatis, Series: Mechanical Engineering, Vol. 14, No 2, 2016, Niš, Page 219-226.	M24
5.	V. Stoiljković, P. Milosavljević, S. Mladenović, D. Pavlović, M. Todorović, ***Improving the efficiency of the Center for Medical Biochemistry, Clinical Center Niš, by applying Lean Six Sigma methodology***, Journal of Medical Biochemistry, Volume 33 (3), 2014., Page 299-307.	M23
6.	M. Mančić, D. Živković, P. Milosavljević, M. Todorović, ***Mathematical Modelling and Simulation of the Thermal Performance of a Solar Heated Indoor Swimming Pool***, Thermal Science, Year 2014, Vol. 18, Suppl. 3. pp. 999-1010.	M22
7.	D. Pavlović, M. Todorović, S. Mladenović, P. Milosavljević, ***The Role of Quality Methods in Improving Education Process: Case Study***, An International Journal for Theory and Practice of Management Science: "Serbian Journal of Management", Vol 9, No 2 (2014), Page 219-230.	M51
8.	D. Živković, D. Milčić, M. Banić, P. Milosavljević, ***Thermomechanical Finite Element Analysis of hot Water Boiler Structure***, Thermal Science, Year 2012, Vol. 16, Suppl. 2, pp. S443-S456.	M23
9.	П. Милосављевић, ***Инжењерски менаџмент [Engineering management]***, уџбеник, Машински факултет Универзитета у Нишу, 2015.	-
10.	Стоиљковић В., Милосављевић П., и др., ***Индустријски менаџмент [Industrial Management]***, практикум, Машински факултет Универзитета у Нишу, 2010.	-

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	27 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	8	
Current participation in projects	Domestic: 2	International: 1
Professional development *Technical University of Hamburg-Harburg, Department of Production Technologies II (Machine tools and automation), Germany (DAAD-foundation): October 1998 – July 1999; November-December 2006.*		
Other information considered relevant		

First name and surname		**MILOŠ S. MILOŠEVIĆ**	
Rank		Full professor	
Specialized scientific field		Mechatronics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2017	Faculty of Mechanical Engineering in Niš	Mechatronics
Doctorate	2006	Faculty of Mechanical Engineering in Niš	Mechatronics
Magister degree	1998	Faculty of Mechanical Engineering in Niš	Precision Engineering and Robotics
Master's degree			
Engineer's degree	1993	Faculty of Mechanical Engineering in Niš	Automatic Control

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Павловић, Н., Милошевић, М., ***Полужни механизми [Lever mechanisms]***, Faculty of Mechanical Engineering in Niš, Ниш, ISBN 978-86-6055-029-5, 2012.	-
2.	Милошевић, М., Тјупа, Љ., **Компоненте мехатроничких система код возила [Components of mechatronic systems in vehicles]**, Faculty of Mechanical Engineering in Niš, Ниш, ISBN 978-86-6055-090-5, 2017.	-
3.	Павловић, Д. Н., Петровић, Т., Павловић, Т. Н., Милошевић, М., Јовановић, С., Ђорђевић, Б., Јовановић, Д., ***Механизам који омогућава аутоматизовано подешавање положаја ногу пацијента на болничком кревету [The mechanism that enables automated adjustment of patient's leg position on a hospital bed]***, МП-2011/0001, 2011.	-
4.	Pavlović, N. T., Pavlović, N. D., Milošević, M., ***Selection of the Optimal Rigid-Body Counterpart Mechanism in the Compliant Mechanism Synthesis Procedure***, Proceedings of MAMM-2016, Ilmenau, Germany, 2016; book chapter in: Microactuators and Micromechanisms, Mechanisms and Machine Science, ISSN 2211-0992, Vol. 45, Springer, 2016, pp. 127-138, DOI 10.1007/978-3-319-45387-3_12.	M14
5.	Banić, M., Stamenković, D., Milošević, M., Miltenović, A., ***Tribology Aspect of Rubber Shock Absorbers Development,*** Tribology in Industry, ISSN 03548996, Vol. 35, No. 3, 2013, pp. 242 – 248.	M24
6.	Stamenković, D., Nikolić, M., Milošević, M., Banić, M., Miltenović, A., Mijajlović, M., ***Tribological Aspect of Rubber Based Parts used in Engineering,*** Tribology in Industry, Series Mechanical Engineering, ISSN 03548996, Vol. 36, No. 1, 2014, pp. 9 – 16.	M24
7.	Mijajlović, M., Vidojković, S., Milošević, M., ***Temperature Dependent Effective Friction Coefficient Estimation in Friction Stir Welding with the Bobbin Tool***, Thermal Science, ISSN: 0354-9836, Vol. 20, Suppl. 5, 2016, pp. 1321-1332, DOI: DOI:10.2298/TSCI16S5321M.	M22
8.	Milošević, M., Stamenković, D., Milojević, A.,Tomić, M., ***Modeling thermal effects in braking systems of railway vehicles***, Thermal Science, ISSN: 0354-9836, Vol. 16, Suppl. 2, 2012, pp. 515-526, DOI: 10.2298/TSCI120503188M.	M23
9.	Milošević, M., Banić, M., Stamenković, D., Pavlović, V., Tomić, M., Miltenović, A., ***Distribution of Generated Friction Heat at Wheel-rail Contact During Wheel Slipping Acceleration***, Thermal Science, ISSN: 0354-9836, Vol. 20, Suppl. 5, 2016, pp. 1561-1561, DOI:10.2298/TSCI16S5561M.	M22
10.	Banić, M., Stamenković, D., Miltenović, V., Milošević, M., Miltenović, A., Đekić, P., Rackov, M., ***Prediction of Heat Generation in Rubber or Rubber-Metal Springs,*** Thermal Science, ISSN: 0354-9836, Vol. 16, Suppl. 2, 2012, pp. 593-606, DOI: 10.2298/TSCI120503189B.	M23
11.	Stamenković, D., Milošević, M., Mijajlović, M., Banić, M., ***Recommendations for the Estimation of the Strength of the Railway Wheel Set Press Fit Joint***, Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, ISSN: 0954-4097, Vol 226 Issue 1, 2012. pp. 48-61, DOI: 10.1177/0954409711406370.	M23
12.	Stamenković, D., Milošević, M., Mijajlović, M., Banić, M., ***Estimation of the Static Friction Coefficient for Press Fit Joints***, Journal of the Balkan Tribological Association, ISSN 1310-4772, Vol. 17, No 3, 2011, pp. 341–355.	M23
13.	Petrović, T., Ivanov, I., Milošević, M., ***A New Structure of Combined Gear Trains with High Transmission Ratios,*** Forschung im Ingenieurwesen, ISSN 0015-7899, Springer-Verlag, Volume 73, Number 3, 2009, pp. 119-127, DOI 10.1007/s10010-008-0085-9.	M23
14.	Miltenović, A., Banić, M., Stamenković, D., Milošević, M., Tomić, M., ***Determination of Friction Heat Generation in Wheel-Rail Contact Using FEM,*** Journal FACTA UNIVERSITATIS, Series Mechanical Engineering, ISSN 0354 – 2025, Vol. 13, No 2, 2015, pp. 99 – 108.	M24
15.	Nikolić, B., Jovanović, M., Milošević, M., Milanović, S., ***Function K - as Link Between Fuel Flow Velocity and Fuel Pressure***, Depending on the Type of Fuel, Journal FACTA UNIVERSITATIS, Series Mechanical Engineering, ISSN	M24

	0354 – 2025, Vol. 15, No 1, 2017, pp. 119 – 132, DOI: 10.22190/FUME160628003N.	
16.	Milošević, M., Miltenović, A., Banić, M., Tomić, M., ***Determination of Residual Stress in Rail Wheel During Quenching Process With FEM Simulation***, Journal FACTA UNIVERSITATIS, Series Mechanical Engineering, ISSN 0354 – 2025, Vol 15, No 3, 2017, pp. 413 – 425, DOI: 10.22190/FUME170206029M.	M24

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	55 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	10	
Current participation in projects	Domestic: 2	International: 2
Professional development *DAAD grant beneficiary from 2000 to 2006 within the international project "Academic reconstruction of South Eastern Europe", "Mechatronics" subproject*		
Other information considered relevant	*Member of the Serbian Association for the Promotion of Mechanism and Machine Science (ASToMM) and the International Federation for the Promotion of Mechanism and Machine Science (IFToMM)* *Subproject manager at the Faculty of Mechanical Engineering within the project Development and integration of technologies for intelligent mechatronic interface design for medical purposes (HUMANISM), funded by the Ministry of Education and Science of the Republic of Serbia, project reference number III 44004, project manager professor Goran Đorđević, Faculty of Electronic Engineering in Niš, 2010–2019.* *President of the Programming Committee of the International Scientific-Expert Conference on Railways RAILCON, Niš, 2016 and 2018.*	

First name and surname		DRAGAN S. MILČIĆ	
Rank		Full professor	
Specialized scientific field		Mechanical Design	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2011	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2001	Faculty of Mechanical Engineering in Niš	Mechanical Design
Magister degree	1993	Faculty of Mechanical Engineering in Niš	Mechanical Design
Master's degree			
Engineer's degree	1981	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Investigation and development of the analytical model for amount of generated heat estimation during friction stir welding"	Miroslav Mijajlović		15/06/2012
2.	"Reliability analysis and new generation of collector electromotors development for needs of automobile industry"	Branislav Popović		14/12/2012
3.	"Investigation of mechanical tribological parameters of radial sliding bearings with graphite from the optimal basic function point of view"	Nada Bojić, MSc		28/09/2016
4.	"Research tribological characteristics of radial plain bearing made of tin based white metal alloy - Tegotenax V840"	Amir (Mustafa Rashid) Al-Sammarraie		23/04/2018
5.	"Research of construction-tribological parameters of ball bearings with angular contact type ZKLF in terms of optimal basic functions"	Vladislav Krstić, MSc		27/09/2018
6.	"Research and development of reliability model of modern cutting tools"	Predrag Dašić, MSc	12/07/2010	
7.	"Research and improvement of structures distributor valve brake system for freight cars in view of reliability"	Erdinč Rakipovski	26/10/2016	
8.	"Research and development of the gear unit of high-specific power"	Vojkan Nojner	25/02/2019	

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Andjelković Boban, Milčić Dragan, Janošević Dragoslav, Milovančević Miloš: ***Modified Neural Network-based Study Into the Coefficient of Friction in Pressed Assemblies***, TRANSACTIONS OF FAMENA, (2010), vol. 34 br. 3, str. 29-38	M23
2.	Mijajlović Miroslav, Milčić Dragan, Stamenković Dušan, Živković Aleksandar: ***Mathematical Model for Generated Heat Estimation During Plunging Phase of FSW Process***, Transactions of Famena, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, XXXV-1/2011, April 2011, pp 39 - 54, ISSN 1333-1124, UDC 621.791.1.	M23
3.	Mijajlović Miroslav, Milčić Dragan, Andjelković Boban, Vukićević Miomir, Bjelić Mišo*:* ***Mathematical Model for Analytical Estimation of Generated Heat During Friction Stir Welding. Part 1***, JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, (2011), vol. 17 br. 2, str. 179-191	M23
4.	Mijajlović Miroslav, Milčić Dragan, Andjelković Boban, Vukićević Miomir, Bjelić Mišo: ***Mathematical Model for Analytical Estimation of Generated Heat During Friction Stir Welding. Part 2***, JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, (2011), vol. 17 br. 3, str. 361-370	M23

5.	Milčić Dragan, Mijajlović Miroslav, Pavlović T. Nenad, Vukić Mića, Mančić Dragan, ***Temperature based validation of the analytical model for the estimation of the amount of heat generated during friction stir welding***, Thermal Science, 2012, Vol. 16, Issue Supplement 2, 337-350, ISSN 0354-9836	M23
6.	Milčić Dragan, Miladinović Slobodan, Mijajlović Miroslav, Marković Biljana, ***Determination of Load Spectrum of Bucket Wheel Excavator SRs 1300 in Coal Strip Mine Drmno***, TRANSACTIONS OF FAMENA, (2013), vol. 37 br. 1, str. 77-88	M23
7.	Mijajlović Miroslav, Milčić Dragan, Milčić Miodrag, ***Numerical Simulation of Friction Stir Welding***, THERMAL SCIENCE, (2014), vol. 18 br. 3, str. 967-978	M23
8.	Vukićević Miomir, Bjelić Mišo, Milčić Dragan, Mijajlović Miroslav, Pljakić Marina***: Analytical Algorithm Expressions in Simulation of the Temperature Field in Electric Resistance Spot Welding***, TEHNICKI VJESNIK-TECHNICAL GAZETTE, (2018), vol. 25 br. 1, str. 64-71	M23
9.	Milčić Dragan, Milčić Miodrag, Nojner Vojkan, Milovančević Miloš, ***Computer-aided modeling of rolling-element bearing composition by adaptive neuro-fuzzy technique***, PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, (2019), vol. 525 br. , str. 582-586	M21
10.	Милчић Д.: ***Машински елементи [Machine elements]***, Faculty of Mechanical Engineering in Niš, CBEH, ISBN 978-86-6055-110-0 (COBISS.SR-ID 271733772), Niš, 2018.	

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	39 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	10	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		**MELANIJA S. MITROVIĆ**	
Rank		Full professor	
Specialized scientific field		Mathematics and Computer Science	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2014	Faculty of Mechanical Engineering in Niš	Mathematics and Computer Science
Doctorate	2000	Faculty of Sciences and Mathematics in Niš	Algebra
Magister degree	1992	Faculty of Philosophy in Niš – Mathematics Department	Algebra
Master's degree			
Bachelor's degree	1983	Faculty of Philosophy in Niš – Mathematics Department	Algebra

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	M. Mitrović, S. Silvestrov, *(Apartness)* ***Isomorphism theorems for basic constructive algebraic structures with special emphasize on constructive semigroups with apartness - an overview***, accepted in Stochastic Processes and Algebraic Structures - From Theory Towards Applications, Volume II: Algebraic Structures and Applications, (Eds.: S. Silvestrov, M. Malyarenko, M. Rančić), Springer, 2019.	M13
2.	M. Mitrović, S. Silvestrov, ***Semilattice decompositions of semigroups. Hereditariness and periodicity - an overview***, accepted in Stochastic Processes and Algebraic Structures - From Theory Towards Applications, Volume II: Algebraic Structures and Applications, (Eds.: S. Silvestrov, M. Malyarenko, M. Rančić), Springer, 2019.	M13
3.	M. Mitrović, S. Silvestrov, S. Crvenković, D. A. Romano**.,** ***Constructive semigroups with apartness : towards new algebraic theory,*** Journal of Physic: Conference Series (JPCS), Volume 1194, 2019, 012076, doi:10.1088/1742-6596/1194/1/012076.	M16
4.	S. Crvenković, M. Mitrović, D. A. Romano**:** ***Basic Notions of (Constructive) Semigroups with Apartness***, Semigroup Forum, June 2016, Volume 92, Issue 3, 659-674.	M22
5.	Y. Shao, S. Crvenković, M. Mitrović**:** ***Distributive Lattices of Jacobson Rings***, Publications de l'Institut Mathematique, 2016, 100 (114), 87-93.	M23
6.	A. Caserta, S. Đurčić, M. Mitrović: ***Selection Principles and Double Sequences II***, Hacettepe Journal of Mathematics and Statistics, Volume 43 (5) (2014), 725-730.	M23
7.	S. Crvenković, M. Mitrović, D. A. Romano**:** ***Semigroups with Apartness***, Mathematical Logic Quarterly, 2013, 59 (6), 407-414, malq.201200107.	M23
8.	Y. Shao, S. Crvenković, M. Mitrović: ***The Zeleznikow Problem on a Class of Additively Idempotent Semiring***, Journal of the Australian Mathematical Society, 2013, 95 (3), 404–420 DOI 10.1017/SI4466788713000359	M23
9.	B. D. Nikolić, B. Kegl, S. D. Marković, M. S. Mitrović**:** ***Determining the Speed of Sound, Density, and Bulk of Rapeseed Oil, Biodiesel, and Diesel Fuel,*** Thermal Science, 2012, 16, Suppl. 2, 505–514.	M22
10.	M. Mitrović: ***Regular Subsets of Semigroups Related to their Idempotents***, Semigroup Forum, Volume 70, Number 3 (2005), 356–360.	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	266 (source *Google Scholar*)	
Total number of papers on the SCI (or SSCI) list	20	
Current participation in projects	Domestic: 1	International: 1

Professional development

1. EUROWEB+ mobility project (3 months), Malardalen University, Sweden, 2017, 2018.
2. Member of PhD defending committees, Sweden, 2018.
3. Tempus IMG-SCG1025-2005, TU Wien, Austria, 2005.
4. *Visiting professor at University of Minho, Braga, and UTAD, Vila Real, Portugal; Bar-Ilan University, Tel Aviv, Israel; University of Bucharest, Romania; Politecnico di Milano, Italy; University of Banja Luka.*

Other information considered relevant	*Organizer of two international conferences; member of programming or organizing committees of eight international conferences, invited speaker at five conferences.*

First name and surname		**VLASTIMIR D. NIKOLIĆ**	
Rank		Full professor	
Specialized scientific field		Automatic Control and Robotics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	1997	Faculty of Mechanical Engineering in Niš	Automatic Control and Robotics
Doctorate	1985	Faculty of Mechanical Engineering in Belgrade	Automatic Control and Robotics
Magister degree	1981	Faculty of Mechanical Engineering in Belgrade	Automatic Control and Robotics
Master's degree			
Engineer's degree	1978	Faculty of Mechanical Engineering in Niš	Transport Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Artificial neural network application for short-term prediction and analysis of district heating systems"	Miloš Simonović, MSc		13/07/2016
2.	"The development of hierarchical control structure of mobile robot to track people based on robust stereo robot vision"	Emina Petrović		09/05/2017
3.	"Application of the hybrid bond graphs and genetic algorithms in optimization and control of the technical systems"	Dragana Trajković	22/03/2013	
4.	"Optimal recognition and localization of acoustic source using artificial intelligence methods"	Marko Kovandžić	25/02/2019	
5.	"Application of intelligent machine vision systems for autonomous train operation"	Milan Pavlović	01/04/2019	

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Nikolić V., Ćojbašić Ž., Pajović D. (1996), ***Automatsko upravljanje - analiza sistema [Automatic control – system analysis],*** Mašinski fakultet u Nišu, 308 str., Niš (univerzitetski udžbenik).	-
2.	Nikolić V., Ćojbašić Ž., Simonović M. (2008***), Zbirka zadataka iz upravljanja sistemima [Collection of tasks in system control]***, Mašinski fakultet u Nišu, Niš (pomoćni univerzitetski udžbenik, recenzije usvojene na NNV 15/2007 MFN od 29.06.2007.god.).	-
3.	V. Nikolić, V. Mitić, Lj. Kocić, D. Petković, ***Wind speed parameters sensitivity analysis based on fractals and neuro-fuzzy selection technique***, Knowledge and Information Systems, doi:10.1007/s10115-016-1006-0, 2017.	M21
4.	D. Marković, D. Petković, V. Nikolić, M. Milovančević, B. Petković, ***Soft computing prediction of economic growth based in science and technology factors,*** Physica A: Statistical Mechanics and its Applications, 465, pp. 217 - 220, https://doi.org/10.1016/j.physa.2016.08.034, Jan2017.	M21
5.	M. Kovandžić, V. Nikolić, A. Al-Noori, I. Ćirić, M. Simonović, ***Near Field Acoustic Localization Under Unfavorable Conditions Using Feedforward Neural Network For Processing Time Difference Of Arrival***, EXPERT SYSTEMS WITH APPLICATIONS, 71, 1, pp. 138 - 146, 0957-4174, 10.1016/j.eswa.2016.11.030, 2016.	M21
6.	V. Nikolić, D. Petković, P.L Yee, Sh. Shamshirband, M. Zamani, Ž. Ćojbašić, Sh. Motamedi, ***Potential of neuro-fuzzy methodology to estimate noise level of wind turbines,*** MECHANICAL SYSTEMS AND SIGNAL PROCESSING, 66-78, pp. 715 - 722, 0888-3270, 10.1016/j.ymssp.2015.03.013, 2015.	M21
7.	I. Pavlović, I. Ćirić, P. Djekić, V. Nikolić, R. Pavlović, Ž. Ćojbasić, G. Radenković, ***Rheological model optimization using advanced evolutionary computation for the analysis of the influence of recycled rubber on rubber blend dynamical behavior***, Meccanica, 2013, DOI 10.1007/s11012-013-9761-4.	M21
8.	V. Nikolić, D. Petković, N. Denic, M. Milovančević, S.Gavrilovic, ***Appraisal and review of e-learning and ICT systems in teaching process,*** Physica A: Statistical Mechanics and Its Applications, Vol. 513, 1 2019, pp. 456-464, https://doi.org/10.1016/j.physa.2018.09.003, 2019.	M22
9.	V. Nikolić, D. Petković, M. Milovančević, H. Deneva, L. Lazov, E. Teirumenieka, ***Optimization of Laser Cutting Parameters Using***	M22

	an Adaptive Neuro-fuzzy Methodology, LASERS IN ENGINEERING, (2018), vol. 40 br. 4-6, str. 341-346,	
10.	V. Vučković, V. Mitić, Lj. Kocić, V. Nikolić, ***The fractal nature approach in ceramics materials and discrete field simulation, Science of Sintering,*** DOI: 10.2298/SOS1803371V, 2018.	M22
11.	I. Ćirić, Ž. Ćojbašić, D. Ristić-Durant, V. Nikolić, M. Ćirić, M. Simonović, I. Pavlović, ***Thermal Vision based Intelligent System for Human Detection and Tracking in Mobile Robot Control System***, Thermal Science, 5, 20, pp. s1553 - s1559, 0354-9836, 621, 10.2298/TSCI16S5553Ć, 2016.	M22
12.	M. Simonović, V. Nikolić, E. Petrović, I. Ćirić, ***Heat Load Prediction of Small District Heating System Using Artificial Neural Networks***, Thermal Science, 5, 20, pp. s1355 - s1365, 0354-9836, 10.2298/TSCI16S5355S, 2016.	M22
13.	V. Nikolić, D. Petković, L. Lazov, M. Milovančević, ***Selection of the most influential factors on the water-jet assisted underwater laser process by adaptive neuro-fuzzy technique***, Infrared Physics & Technology, DOI: 10.1016/j.infrared.2016.05.021, 2016.	M22

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	716 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	56	
Current participation in projects	Domestic: 2	International: 1
Professional development		
Other information considered relevant		

First name and surname		**NENAD T. PAVLOVIĆ**	
Rank		Full professor	
Specialized scientific field		Mechatronics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2013	Faculty of Mechanical Engineering in Niš	Mechatronics
Doctorate	2003	Faculty of Mechanical Engineering in Niš	Theory of Machines and Mechanisms
Magister degree	1996	Faculty of Mechanical Engineering in Niš	Precision Engineering and Robotics
Master's degree			
Engineer's degree	1991	Faculty of Mechanical Engineering in Niš	Precision Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Pavlović N. T., Pavlović N. D., ***Compliant Mechanism Design for Realizing of Axial Link Translation***, Mechanism And Machine Theory 44 (2009), Elsevier, ISSN 0094-114X, 1082-1091.	M21
2.	Petković,D., Issa,M., Pavlović,N.D., Pavlović,N.T., Zentner,L., ***Adaptive neuro-fuzzy estimation of conductive silicone rubber mechanical properties***, Expert Systems with Applications, Vol. 39, 2012, Elsevier, ISSN 0957-4174, 9477 – 9482.	M21
3.	Petković,D., Pavlović,N.D., Ćojbašić, Ž., Pavlović,N.T., ***Adaptive neuro-fuzzy estimation of underactuated robotic gripper contact forces***, Expert Systems With Applications, Vol. 40, 2013, Elsevier, ISSN 0957-4174, 281-286.	M21
4.	Zakaria,R., Sheng,O.Y., Wern,K., Shamshirband,S., Petković,D., Pavlović,T.N., ***Adaptive neuro-fuzzy evaluation of the tapered plastic multimode fiber based sensor performance with and without silver thin film for different concentrations of calcium hypochlorite***, IEEE Sensors Journal (2014), Volume 14, No. 10, October 2014, ISSN: 1530-437X, 3579 – 3584	M21
5.	Petković, D., Pavlović,T.N., Ćojbašić, Ž., ***Wind farm efficiency by adaptive neuro-fuzzy strategy,*** Electrical Power and Energy Systems, Vol. 81 (2016), ISSN: 0142-0615, 215 - 221.	M21
6.	Petković,D., Pavlović,T.N., *Shamshirband,S., Kiah,M.L.M., Anuar,N.B., Idris,M.Y.I.,* ***Adaptive neuro-fuzzy estimation of optimal lens system parameters***, Optics and Lasers in Engineering, Volume 55 (2014), Elsevier, ISSN 0143-8166, 84 – 93.	M22
7.	Petković,D., Hamid,S.H.A., Ćojbašić,Ž., Pavlović,T.N., ***Adapting project management method and ANFIS strategy for variables selection and analyzing wind turbine wake effect***, Natural Hazards, DOI 10.1007/s11069-014-1189-1, Vol. 74, No.2, November 2014, Springer Netherlands, ISSN: 0921-030X (Print) 1573-0840 (Online), 463 – 475.	M22
8.	Shamshirband,S., Petković,D., Pavlovic,T.N., Ch,S., Altameem,T., Gani,A., ***Support vector machine-firefly algorithm-based optimization of lens system,*** Applied Optics Vol. 54, No.1 (2015), ISSN: 1559-128X, 37 – 45.	M22
9.	Petković,D., Shamshirband,S., Pavlović,T.N., Anuar,N.B., Kiah,M.L.M., **Modulation transfer function estimation of optical lens system by adaptive neuro-fuzzy methodology**, Optics and Spectroscopy, Volume 117, No. 1, (2014), Pleiades Publishing, ISSN: 0030-400X (Print) 1562-6911 (Online), 121 – 131.	M23
10.	Milovančević,M., Nikolić,V., Pavlović,T.N., Veg,A., Troha,S., **Vibration Prediction of Pellet Mills Power Transmission by Artificial Neural Network**, Assembly Automation, Volume 37, No. 4, (2017), Emerald Publishing Limited, ISSN: 0144-5154, 464 – 470.	M23
11.	Pavlović, D.N., Petrović, T., Pavlović, T.N., Milošević, M., Jovanović, S., Đorđević, B., Jovanović, D., ***Mehanizam koji omogućava automatizovano podešavanje položaja nogu pacijenta na bolničkom krevetu [The mechanism that enables automated adjustment of patient's leg position on a hospital bed]***, mali patent 1227U, Zavod za intelektualnu svojinu Republike Srbije, Glasnik intelektualne svojine, 31.10.2011.	M92
12.	Pavlović, N.D., Pavlović, N.T., ***Gipki mehanizmi [Compliant mechanisms]***, Mašinski fakultet Univerziteta u Nišu, 2013, ISBN 978-86-6055-036-3.	-

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	293 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	12	
Current participation in projects	Domestic: 1	International: 2

Professional development:
1996, 1999, 2001, 2002 Faculty of Mechanical Engineering, Technical University of Ilmenau, Germany.

Other information considered relevant	*Member of the Standardization and Terminology Committee of the International Federation for the Promotion of Mechanism and Machine Science – IFToMM*

	Manager of two projects within the Programme of Bilateral Scientific and Technological Cooperation between the Republic of Serbia and the Federal Republic of Germany for the period 2014–2015 and 2018–2019

First name and surname		**LJILJANA D. PETKOVIĆ**	
Rank		Full professor	
Specialized scientific field		Mathematics and Computer Science	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	1996	Faculty of Mechanical Engineering in Niš	Mathematics and Computer Science
Doctorate	1985	Faculty of Sciences and Mathematics in Kragujevac	Numerical Mathematics
Magister degree	1982	Faculty of Sciences and Mathematics in Skopje	Mathematics
Master's degree			
Bachelor's degree	1975	Faculty of Philosophy in Niš – Mathematics Department	Mathematics

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	M. S. Petković, Lj. D. Petković, ***Complex interval arithmetic and its applications,*** Wiley-VCH, Berlin 1998.	M11
2.	M. Petković, B. Neta, Lj. D. Petković, J. Džunić, ***Multipoint methods for solving nonlinear equations***, Elsevier, Amsterdam 2013.	M11
3.	J. Herzberger, Lj. Petković, ***Efficient iterative algorithms for bounding the inverse of a matrix***, Computing 44 (1990), pp. 237-244.	M22
4.	L.D. Petković, M.S. Petković, J. Džunić, ***A class of three-point root-solvers of optimal order of convergence***, Applied Mathematics and Computation 216 (2010), 671-676.	M21
5.	M.S. Petković, Lj.D. Petković ,Đ. Herceg: ***On Schroeder's families of root-finding methods***, J. Comput. Appl. Math. 233 (2010) 1755-1762	M21
6.	L.D. Petković, M.S. Petković, ***On a high-order one-parameter family for the simultaneous determination of polynomial roots***, Appl. Math. Letters 74 (2017), 94-101.	M21a
7.	M.S. Petković, B. Neta, L.D. Petković, J. Džunić, ***Multipoint Methods for Solving Nonlinear equations:*** A Survey, Appl. Math. Comput. 226 (2014), 635-660.	M21a
8.	M.S. Petković, L.D. Petković, J. Džunić***, On an efficient simultaneous method for finding polynomial zeros***, Applied Mathematical Letters, 28 (2014), 60-65.	M21
9.	M.S. Petković, L.D. Petković, ***Dynamic study of Schroeder's families of first and second kind***, Numer. Algor. 78 (2018), 847-865.	M21
10.	L. D. Petković, M. S. Petković, B. Neta, ***On optimal parameter of Laguerre's family of zero-finding methods***, Intern. J. Comp. Math. 96 (2019), 692-707.	M22
11.	M.S. Petković, L.D. Petković, ***A note on determinantal representation of a Schroder-Konig-like simultaneous method for finding polynomial zeros,*** Journal of Computational and Applied Mathematics 343 (2018), 481-487. 10.1016./j.cam.2018.05.008 ISSN 0377-0427	M21
12.	M. S. Petković, L. D. Petković, ***Construction and efficiency of multipoint root-ratio methods for finding multiple zeros***, J. Comp. Appl. Math. 351 (2019), 54-65. ISSN 0377-0427 10.1016/j.cam.2018.10.042	M21

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	Scopus – 473 (h-index 11)	
Total number of papers on the SCI (or SSCI) list	48	
Current participation in projects	Domestic: 1	International: 0

Professional development

University of Freiburg (1984), Kiel (1998, DAAD grant), Oldenburg (2001, DAAD grant), Technical University of Vienna (2002), Tsukuba (Japan, 2003), Humboldt University of Berlin (2007), Harvard (Boston, 2009).

Other information considered relevant	*Visiting professor at the University of Oldenburg in 1989 and invited speaker at 10 world universities. Author of over 100 papers, 3 monographs, 4 textbooks and 3 books. Highest accolade of the Faculty of Mechanical Engineering in 2010, Award of the Ministry of Science and Technological Development in 2005 for outstanding results in a project.*

First name and surname		MIROSLAV P. RADOVANOVIĆ	
Rank		Full professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2007	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	1996	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree	1987	Faculty of Mechanical Engineering in Belgrade	Production Engineering and Computer Application
Master's degree			
Engineer's degree	1977	Faculty of Mechanical Engineering in Niš	Production Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Modeling of abrasive waterjet cutting process and development of technological processor"	Predrag Janković		24/09/2009
2.	"Mathematical modeling and optimization of laser cutting process using artificial intelligence methods"	Miloš Madić		06/11/2013
3.	"Research of temperature field in the cutting tool during the processing on a lathe dry with cooling cutting tools by system based on thermoelectric module"	Radovan Nikolić, MSc		31/03/2015

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Radovanović M., ***Multi-objective optimization of multi-pass turning AISI 1064 steel***, International Journal of Advanced Manufacturing Technology, (2019), Vol. 100, No. 1-4, pp. 87-100	M22
2	Nikolić R., Lučić M., Nedić B., Radovanović M., ***Calculation of Temperature Fields During Lathe Machining with Thermoelectrical Cooling by Using the Finite Element Method,*** Thermal Science, (2019), Vol. 23, No. 3, pp. 1889-1899	M22
3	Janković P., Madić M., Petković D., Radovanović M., ***Analysis and Modeling of the Effects of Process Parameters on Specific Cutting Energy in Abrasive Water Jet Cutting***, Thermal Science, (2018), Vol. 22 , Suppl. 5, pp. S1459-S1470	M22
4.	Gostimirović M., Radovanović M., Madić M., Rodić D., Kulundžić N., ***Inverse electro-thermal analysis of the material removal mechanism in electrical discharge machining,*** International Journal of Advanced Manufacturing Technology, (2018), Vol. 97, No. 5-8, pp. 1861-1871	M22
5.	Gostimirović M., Pucovski V., Sekulić M., Radovanović M., Madić M., ***Evolutionary multi-objective optimization of energy efficiency in electrical discharge machining***, Journal of Mechanical Science and Technology, (2018), Vol. 32, No. 10, pp. 4775-4785	M23
6.	Madić M., Antucheviciene J., Radovanović M., Petković D.***, Determination of laser cutting process conditions using the preference selection index method***, Optics and Laser Technology, (2017), Vol. 89, pp. 214-220	M21
7.	Petković D., Madić M., Radovanović M., Janković P., Radenković G., ***Modeling of Cutting Temperature in the Biomedical Stainless Steel Turning Process***, Thermal Science, (2016), Vol. 20, Suppl. 5, pp. S1345-S1354	M22
8	Madić M., Radovanović M., Nedić G., Marušić V., ***Multi-Objective Optimization of Cut Quality Characteristics in CO2 Laser Cutting of Stainless Steel***, Tehnički Vjesnik-Technical Gazette, (2015), Vol. 22, No. 4, pp. 885-892	M23
9	Nikolić R., Radovanović M., Živković M., Nikolić A., Rakić D., Blagojević M., ***Modeling of Thermoelectric Module Operation in Inhomogeneous Transient Temperature Field Using Finite Element Method***, Thermal Science, (2014), Vol. 18, Suppl. 1, pp. S239-S250	M22
10	Madić M., Radovanović M., ***Analysis of the heat affected zone in CO_2 laser cutting of stainless steel***, Thermal Science, 2013, 16 (suppl.2), pp. S363-S373	M22
11	Madić M., Radovanović M., ***Modeling and analysis of correlations between cutting parameters and cutting force components in turning AISI 1043 steel using ANN***, Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2013, 35 (2), pp. 111-121	M23
12	Kovačević M., Madić M., Radovanović M., ***Software prototype for validation of machining optimization solutions obtained with meta-heuristic algorithms,*** Expert Systems with Applications, 2013, 40 (17), pp. 6985-6996	M21
13	Madić M., Marinković V., Radovanović M.***, Mathematical modeling and optimization of surface roughness in turning of polyamide based on artificial neural network***, Mechanika, 2012, 18 (5), pp. 574-581	M22

14	Petropoulos G., Vaxevanidis N., Radovanović M., Zoler C.***, Morphological – functional aspects of electro-discharge machined surface textures***, Strojniski Vestnik/ Journal of Mechanical Engineering, 2009, 55 (2). pp. 95-103	M23
15	Radovanović M., ***Some possibilities for determining cutting data when using laser cutting***, Strojniski Vestnik/ Journal of Mechanical Engineering, 2006, 52 (10), pp. 645-652	M23
16	Радовановић М., Мадић М., ***Планирање и анализа експеримената [Planning and analysis of experiments]***, Универзитет у Нишу, Машински факултет, Ниш, 2019	-
17	Баралић Ј., Недић Б., Радовановић М., Јанковић П., ***Обрадивост материјала резањем абразивним воденим млазом [Material processing by abrasive waterjet cutting]***, Универзитет у Крагујевцу, Факултет инжењерских наука, Крагујевац, 2015	-
18	Мадић М., Недић Б., Радовановић М., ***Пословно и инжењерско одлучивање применом вишекритеријумске анализе [Business and engineering decision-making by applying the multicriteria analysis]***, Универзитет у Крагујевцу, Факултет инжењерских наука, Крагујевац, 2015	-
19	Радовановић М., ***Технологија машиноградње, обрада резањем [Machine building technology, cutting processes]***, Универзитет у Нишу, Машински факултет, Ниш, 2002	-
20	Лазаревић Д., Радовановић М., ***Неконвенционалне обраде, обрада материјала одношењем [Unconventional processes, removal of materials]***, Универзитет у Нишу, Машински факултет, Ниш, 1994	-

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	800 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	25	
Current participation in projects	Domestic: 2	International: 1
Professional development		
Other information considered relevant		

First name and surname		**LJILJANA M. RADOVIĆ**	
Rank		Full professor	
Specialized scientific field		Mathematics and Computer Science	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2017	Faculty of Mechanical Engineering in Niš	Mathematics and Computer Science
Doctorate	2004	Faculty of Sciences and Mathematics in Niš – Mathematics Department	Geometry
Magister degree	2000	Faculty of Philosophy in Niš – Mathematics Department	Geometry
Master's degree			
Bachelor's degree	1993	Faculty of Philosophy in Niš – Mathematics Department	Mathematics

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Lj. Radovic, P. Gerdes, S. Jablan, R. Sazdanovic, ***Plaited polyhedra: A knot theory point of view***, J. Knot Theory and Ramification, 25(9) (2016).	M23
2.	J. Kappraff J., Lj. Radovic, S. Jablan S**.,** ***Meanders, knots, labyrinths and mazes***, J. Knot Theory and Ramifications, 25(9) (2016).	M23
	V. Nikolic, Lj. Radovic, B. Markovic**,** ***Symmetry of twins***, Symmetry Basel, 7(1) (2015).	M22
3.	Lj. Radovic, S. Jablan, ***Meander Knots and Links***, Filomat 29(10) (2015), 2381-2392.	M22
4.	V. Nikolic, Lj. Radovic, O. Nikolic, B. Markovic, P. Mitkovic, M. Mitkovic, J. Djuric**,** ***Proportional Ratios and Geometrical Setups for Achieving the Hovering Effect of Architectonic Structures***, Tehnički vesnik – Technical Gazette, 23(2) (2016), 579-588.	M23
5.	S. Jablan, Lj. Radovic, R. Sazdanovic, A. Zekovic, ***Mirror-curves and knot mosaics***, Computers & Mathematics with applications, 64 (4) (2012),	M21
6.	L.H. Kauffman, S.V. Jablan, L.M. Radovic, R. Sazdanovic, ***Reduced Relative Tutte, Kauffman Bracket and Jones Polynomials of Virtual Link Families***, Journal of Knot theory and Ramifications, 22 (4) (2013).	M23
7.	A. Henrich, R. Hoberg, S. Jablan, L. Johnson, E. Minten, Lj. Radovic., ***The Theory of Pseudoknots***, Journal of knot theory and ramifications, 22(7) (2013).	M23
8.	Lj. Radovic, S. Jablan, ***Mirror-curve Codes for Knots and Links***, Publications de l'Institut Mathématique, 94(108) (2013), 181-186.	M23
9.	L.H. Kauffman, S.V. Jablan, L.M. Radovic, R. Sazdanovic**,** ***Reduced Relative Tutte, Kauffman Bracket and Jones Polynomials of Virtual Link Families***, Journal of Knot theory and Ramifications, 22 (4) (2013).	M23
10.	S. Jablan, Lj. Radovic, R. Sazdanovic, ***Nonplanar graphs derived from Gauss codes of virtual knots and links***, Journal of Mathematical Chemistry, 49 (1) (2011), 2250-2267	M21a

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	44	
Total number of papers on the SCI (or SSCI) list	19	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		PREDRAG M. RAJKOVIĆ	
Rank		Full professor	
Specialized scientific field		Mathematics and Computer Science	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2009	Faculty of Mechanical Engineering in Niš	Mathematics and Computer Science
Doctorate	1998	Faculty of Philosophy in Niš – Mathematics Department	Numerical Analysis
Magister degree	1991	Faculty of Philosophy in Niš – Mathematics Department	Numerical Analysis
Master's degree			
Bachelor's degree	1983	Faculty of Philosophy in Niš – Mathematics Department	Mathematics

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Predrag M. Rajković, Marko D. Petković, Slađana D. Marinković, ***A Class of Orthogonal Polynomials Related to the Generalized Laguerre Weight with Two Parameters,*** Computational and Applied Mathematics 38:10 (2019) , Springer, ISSN: 0101-8205	M22
2.	Predrag M. Rajković, Miomir S. Stanković, Slađana D. Marinković, ***The Laplace transform induced by the deformed exponential function of two variables***, Fractional Calculus and Applied Analysis, Vol. 21, Issue 3 (2018) , pp. 775-785 Print ISSN: 1311-0454	M21
3.	Predrag M. Rajković, Franz Hinterleitner, Slađana D. Marinković, ***Polynomials Associated With A Functional Product Of The Hermite Type***, Mathematical Methods in The Applied Sciences (2016) Vol. 39, pp. 2358–2367 (ISSN)1099-1476	M22
4.	Predrag M. Rajković , Slađana D. Marinković, Miomir S. Stanković, ***Orthogonal polynomials with varying weight of Laguerre type***, Filomat 29:5 (2015), 1053–1062 (M21) ISSN 0354-5180 DOI 10.2298/FIL1505053R	M22
5.	Predrag M. Rajković, Paul Barry and Marko D. Petković, ***Sobolev orthogonal polynomials in computing of Hankel determinants***, Linear algebra and applications 437 (10) (2012), 2417–2428 ISSN 0024-3795	M22
6.	Miomir S. Stanković, Slađana D. Marinković, Predrag M. Rajković, ***The deformed exponential functions of two variables in the context of various statistical mechanics***, Applied Mathematics and Computation 218, 2439–2448, ISSN 0096-3003	M21
7.	Predrag M. Rajković, Slađana D. Marinković, Miomir S. Stanković, ***A generalization of the concept of q--fractional integrals***, Acta Mathematica Sinica, English version, Vol. 25, No. 10 (2009), 1635-1646., ISSN 1439-8516	M22
8.	Wolfram Koepf, Predrag M. Rajković, Slađana D. Marinković, ***Properties of q-Holonomic Functions***, Journal of Difference Equations and Applications, Vol. 13, No. 7 (2007), 621–638.	M21a
9.	Predrag M. Rajković, Marko D. Petković, Paul Barry, ***The Hankel Transform of the Sum of Consecutive Generalized Catalan Numbers***, Integral Transforms and Special Functions, Vol. 18, Issue 4, 2007, 285-296.	M22
10.	Predrag M. Rajković , Slađana D. Marinković and Miomir S. Stanković, ***On q-Newton-Kantorovich Method for Solving Systems of Equations***, Applied Mathematics and Computation, vol. 168/2 (2005) 1432-1448 .	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	318 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	32	
Current participation in projects	Domestic: 1	International: 1

Professional development

1. Erasmus Plus project (Sweden-2019, Czech Republic-2018),
2. Foreign examiner for doctoral dissertation, Ireland (2011, 2017),
3. DAAD-scholarship, University in Kassel, Germany (2004, 2008)

Other information considered relevant	

First name and surname		SAŠA S. RANĐELOVIĆ	
Rank		Full professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2018	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2006	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree	1998	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Master's degree			
Engineer's degree	1992	Faculty of Mechanical Engineering in Niš	Production Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Živanović, S., Tabaković, S., Ranđelović S., ***Rapid Prototyping of Art Sculptural Shapes According to the Sample***, Advanced Technologies and Materials, Vol. 44, No. 1, 2019, pp. 27-32,	M51
2.	Ranđelović S., Marinković V.: ***Proizvodne tehnologije [Production technologies]***, ISBN 978-86-6055-096-7 (COBISS.SR-ID 251312652), 356.str., Mašinski fakultet u Nišu, Niš, 2017.	-
3.	Ranđelovic S., ***Manufacturability of Biomaterials*** (chapter), Springer, Zivic F. Et al. (eds.) Biomaterials in Clinical Practice, Advances in Clinical Research and Medical Devices, Springer International Publishing AG 2018, pp. 633-658, ISBN: 978-3-319-68024-8,	M14
4.	Ranđelović S.**,** Madić M.**,** Milutinović M., Tanikić D., ***Methodological approach for the texture deformation analysis in the cold extrusion process***, The International Journal Advanced manufacturing engineering, pp.3593-3603, ISBN 978-866-0-550-967, 2017., DOI: 10.1007/s00170-017-0373-3,	M22
5.	Ranđelović S.**,** Milutinović M., Blagojević V., ***The deep drawing technology with wall ironing in mass packaging industry***, FACTA UNIVERSITATIS, Series: Mechanical Engineering Vol. 15, No.1 pp. 107-117, 2017.	M51
6.	Dejan Tanikić, Velibor Marinković, Miodrag Manić, Goran Devedžić, Saša Ranđelović, ***Application of response surface methodology and fuzzy logic based system for determining the metal cutting temperature***, Bulletin of the Polish Academy of Sciences - Technical Sciences, 2016, vol.64, br.2, str. 435-445. DOI:10.1515/bpasts-2016-0049	M23
7.	Pepelnjak T, Milutinović M, Plančak M, Vilotić D, Ranđelović S, Movrin D, Strojniški vestnik - Journal of Mechanical Engineering, "***The Influence of Extrusion Ratio on Contact Stresses and Die Elastic Deformations in Case of Cold Backward Extrusion***", 62 (2016) vol. 1, pp. 41-50. DOI:10.5545/sv-jme.2015.3051	M23
8.	S. Ranđelović, M. Manić, M. Trajanović, M. Milutinović, D. Movrin, ***The impact of die angle on tool loading in the process of cold extruding steel***, Materials and technology, vol. 46, No.2, 2012, ISSN: 1580-2949, UDK621.77, pp. 149-154, IMT Ljubljana, Slovenija	M23
9.	Milutinović M., Movrin D., Pepelnjak T., Skakun P., Ranđelović S.: ***Experimental and numerical determination of press frame elasticity***, International journal for science, technics and innovations for the industry, Machines.Technologies.Materials. Issue 4/2016, 2016, pp. 23-36, ISSN: 1313-0226	M51
10.	Ranđelović S, Milutinović M, Nikolić S, Kačmarčik I, ***Risk assessment in injection molding process***, Journal for technology of plasticity, vol 40. No.2, 2015, ISSN 0354-3870, pp.23-33	M51
11.	Randjelović S, Milosavljevic P, Sommitsch C, ***Hot extrusion technology generation on the basis of FEM and FMEA analysis***, Strojarstvo, pp. 43-50, vol. 52, No1, 2010, ISSN 0562-1887	M23
12.	Krumphals F, Sherstnev P, Ranđelović S, ***Analysis of hot extrusion of aluminium alloy by nonlinear FEM code***, Journal for technology of plasticity 2009, ISSN 0354-3870, pp 121-129	M51

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	16 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	7	
Current participation in projects	Domestic: 2	International: 0

Professional development

WUS foundation grant beneficiary in November 2009 at the Technical University of Vienna, May and October 2010 at the Technical University of Graz.

Other information considered relevant	

First name and surname		**DUŠAN S. STAMENKOVIĆ**	
Rank		Full professor	
Specialized scientific field		Traffic Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2011	Faculty of Mechanical Engineering in Niš	Traffic Engineering
Doctorate	2000	Faculty of Mechanical Engineering in Niš	Mechanical Design
Magister degree	1993	Faculty of Mechanical Engineering in Niš	Precision Engineering
Master's degree			
Engineer's degree	1980	Faculty of Mechanical Engineering in Niš	Production Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"A methodological approach to the development of rubber-metal springs"	Milan Banić		21/07/2015

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Stamenković, D., Banić, M., Nikolić, M., Mijajlović, M., Milošević, M., ***Methods and Principles of Determining the Footwear and Floor Tribological Characteristics***, Tribology in Industry, Vol. 39, No. 3 (2017) 340-348.	M24
2.	Milošević, M., Banić, M., Stamenković, D., Pavlović, V., Tomić, M., Miltenović, A., ***Distribution of Generated Friction Heat at Wheel-rail Contact During Wheel Slipping Acceleration***, Thermal Science, ISSN: 0354-9836, Vol. 20, Suppl. 5, 2016, pp. 1561-1561.	M22
3.	A.Miltenović, M.Banić, D.Stamenković, M.Milošević, M.Tomić, J.Buha: ***Determination of friction heat generation in wheel-rail contact using FEM***, Facta Universitatis, Volume 13, No. 2, 2015. ISSN 0354-2025, p.p. 99-108.	M24
4.	D.Stamenković, M.Nikolić, Lj.Vasin, M.Banić, A.Miltenović: ***Research on tribology phenomena in every day life***, 14th International Conference on Tribology – SERBIATRIB 2015, pp. 535 - 542, Beograd 2015.	M33
5.	D. Stamenković: ***Science in Safety, The bearing tribology has on slips, trips and falls***, Health&Safety International, February/March 2014. ISSN 1478-8829, p.p. 59-65	-
6.	D. Stamenković, M. Nikolić, M. Milošević, M. Banić, A. Miltenović, M. Mijajlović: ***Tribological aspect of rubber based parts used in engineering***, TRIBOLOGY IN INDUSTRY, Volume 36, No. 1, 2014, p.p. 9-16	M24
7.	M. Milosevic, D. Stamenkovic, A. Milojevic, M. Tomic: ***Modeling Thermal Effects in Braking Systems of Railway Vehicles***, Thermal Science 2012, vol. 16, Society of Thermal Engineers of Serbia, 2012. ISBN 0354-9836	M23
8.	M. Banić, D. Stamenković,V. Miltenović, M. Milošević, M. Rackov: ***Prediction of Heat Generation in Rubber or Rubber-Metal Springs***, Thermal Science 2012, vol. 16, Society of Thermal Engineers of Serbia, 2012.	M22
9.	D.Stamenković, M. Milošević, M. Mijajlović, M. Banić: ***Recommendations for the estimation of the strength of the railway wheel set press fit joint***, Proceedings of the Institution of Mechanical Engineers, Part F, Journal of Rail and Rapid Transit, Volume 226, Issue 1, 2012. ISSN 0954-4097.	M23
10.	D.Stamenković, M. Milošević, M. Mijajlović, M. Banić: ***Estimation of the static friction coefficient for press fit joints***; Journal of the Balkan Tribological Association, No.3, 2011. ISSN 1310-4772	M23
11.	Stamenković D: ***Održavanje železničkih vozila [Maintenance of Railway Vehicles]***, udžbenik, ISBN 978-86-6055-013-4, Mašinski fakultet Niš, 2011.	
12.	M. Mijajlović, D. Milčić, D. Stemenković, A. Živković: ***Mathematical Model for Generated Heat Estimation During Plunging Phase of the FSW Process,*** TRANSACTIONS OF FAMENA, Faculty of mechanical engineering and naval architecture Zagreb, Croatia, (Volume 35, No.1, 2011). ISSN 1333-1124	M23
13.	D.Stamenković, M.Milošević, S.Jovanović, M.Banić, D.Jovanović: ***Experimental investigation of railway vehicles dynamic characteristics***, The International Conference Mechanical Engineering in XXI Century, Niš 2010.	M33
14.	M. Đurđanović, M. Mijajlović, D. Milčić, D. Stamenković: ***Heat Generation During Friction Stir Welding Process***, TRIBOLOGY IN INDUSTRY, Volume 31, No. 1&2, 2009. ISSN 0354-8996, p.p. 36-42.	M24
15.	M.Milošević, D.Stamenković, A.Milošević: ***Research of absorbed energy of rail vehicle buffers filled with rubber-metal springs***, 18th International Conference "CURRENT PROBLEMS IN RAIL VEHICLES – PRORAIL 2007" p.p.81-88, Žilina, Slovakia, 2007.	M33
16.	Stamenković D, Đurđanović M: ***Tribologija presovanih spojeva, monografija [Tribology of pressed joints, a monograph]***, monografija, ISBN 86-80587-48-6, Mašinski fakultet Niš, 2005.	

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	85 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	16	
Current participation in projects	Domestic: 2	International: 1
Professional development		
Other information considered relevant		

First name and surname		**GORDANA M. STEFANOVIĆ**	
Rank		Full professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2018	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2007	Faculty of Mechanical Engineering in Niš	Process Engineering
Magister degree	1995	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes in Heat and Mass Transfer
Master's degree			
Engineer's degree	1984	Faculty of Technology and Metallurgy in Belgrade	Environmental Protection

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Development of a model for assessing the sustainability of waste management scenarios using the multi-criteria analysis"	Biljana Milutinović		22/08/2016

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	B. Milutinović, G. Stefanović, P.S. Đekić, I. Mijailović, M. Tomić, ***Environmental assessment of waste management scenarios with energy recovery using life cycle assessment and multi-criteria analysis***, Energy, vol.137, No 15, 2017, pp 917-926.	M21
2.	Momcilovic Ana J., Stefanovic Gordana M., Rajkovic Predrag M., Stojkovic Nenad V., Milutinovic Biljana B., Ivanovic Milica P., ***The organic waste fractions ratio optimization in the anaerobic co-digestion process for the increase of biogas yield***, Thermal Science, vol 22, 2018, pp. S1525 - S1534.	M22
3.	G. Stefanović, B. Milutinović, B. Vučićević, K. Denčić-Mihajlov, V. Turanjanin, ***A comparison of the Analytic Hierarchy Process and the Analysis and Synthesis of Parameters under Information Deficiency method for assessing the sustainability of waste management scenarios***, Journal of Cleaner Production, vol. 130, 2016,pp. 155-165.	M21a
4.	B. Milutinović, G. Stefanović, K. Denčić-Mihajlov, P. Djekić, A. Boričić, ***Mathematical model for evaluation of cost-effectiveness of waste treatment technique with energy recovery***, Thermal Science, V.20, S.5, 2016, pp. S1573-S1584.	M23
5.	Petrović G., Madić M., Marković D., Milić P., Stefanović G., ***Multiple Criteria Decision Making of Alternative Fuels for Waste Collection Vehicles in Southeast Region of Serbia***, Thermal Science, 2016, vol 20, suppl. 5, pp.1585-1598.	M23
6.	B. Milutinovic, G. Stefanovic, Vanya Kyoseva, Dilyana Yordanova, Ivan Dombalov, ***Sustainability assessment and comparison of waste management systems: case studies city of Sofia and Niš***, Waste Management &Research, 2016, Vol 3, issue 9, pp.896-905.	M23
7.	B. Milutinovic, G. Stefanovic, S. Milutinovic, Z. Cojbasic, ***Application of fuzzy logic for evaluation of the level of social acceptance of waste treatment***, Clean Technologies and Environmental Policy, 2016, V.18, Iss. 6, pp 1863–1875.	M22
9.	B. Milutinović, G. Stefanović, M. Dassisti, D. Marković, G. Vučković, ***Multi-criteria analysis as a tool for sustainability assessment of a waste management model***, Energy 2014, vol. 74, pp. 190-201.	M21
10.	Goran D. Vučković, Mirko M. Stojiljković, Mića V. Vukić, Gordana M. Stefanović, Edib M. Dedeić, ***Advanced exergy analysis and exergoeconomic performance evaluation of thermal processes in an existing industrial plant***, Energy Conversion and Management, 2014, Vol 85, pp. 655-662.	M21
11.	G. Stefanović, H. Skrijelj, I. Ristović, B. Milutinović, O. Milosević, S. Popović, ***Sustainable Waste Management Model – Case Study: Novi Pazar***, Journal of Environmental Protection and Ecology 2014, vol. 15, No 3, 1005–1012.	M23
12.	Mikulčić H., Vujanović M., Fidarosb D., Prieschingc P., Minić I., Tatschlc R., Duić N., Stefanović G., ***The application of CFD modelling to support the reduction of CO2 emissions in cement industry***, Energy, 2012, Vol 45, Iss.1, pp.464-473.	M21a
13.	Tomic M.; Perkovic L; Zivkovic, P; Duic, N, Stefanovic, G, ***Closed vessel combustion modelling by using pressure-time evolution function derived from two-zonal approach***, Thermal Science, 2012,vol 16 (2), pp. 561-572.	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	194 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	18	
Current participation in projects	Domestic: 1	International: 2
Professional development		

- Hazardous Wastes Management Expert, UNESCO-IHE Institute for Water Education, Delft, Netherlands, 2009. *- Expert of European knowledge, How to Negotiate and Administer Framework 7 Grant Agreements, Tempus project, University of Debrecen and University of Novi Sad, 2008.*	
Other information considered relevant	

First name and surname		VELIMIR P. STEFANOVIĆ	
Rank		Full professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2011	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2000	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	1992	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Master's degree			
Engineer's degree	1986	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Experimental and numerical investigation of thermal-hydraulic processes in spirally coiled corrugated tubes of heat absorber exposed to concentrated radiant energy"	Milan Đorđević		23/11/2016
2.	"Research of optimal parameters of solar parabolic concentrating heat collectors from the aspect of application in polygenerating systems"	Saša Pavlović		03/03/2017
4.	"Experimental and computational investigation of heat and mass transfer in stoves of absorption heat pumps during biomass combustion"	Marko Ilić	07/03/2016	

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Stefanović V. ***Grejanje, toplifikacija i snabdevanje gasom [Heating, district heating and gas supply]***, Mašinski fakultet u Nišu, ISBN978-86-6055-001-1 2011.	-
2.	Stefanović V, Laković M., ***Mehaničke i hidromehaničke operacije [Mechanical and hydromechanical operations]***, ISBN 978-86-6055-117-9Unigraf – X COPY, Nis, 2019.	-
3.	V.Stefanovic., S. Pavlović., N.Apostolović,. I.Nikolić, Z.Djordjević, D. Ćatić, ***A Prototype of Solar Receiver for Middle Temperature Conversion of Solar Radiation to Heat***, Proceedings of the Institution of Mechanical Engineers, Part A, Journal of Power and Energy [PIA], 225, 8, DOI: 10.1177/0957650911416566 (2011).	M23
4.	Pavlovic S, Ahmed M. Daabo, Evangelos Bellos, Velimir Stefanovic, SaadMahmoud, Raya K. Al- Dadah., ***Experimental And Numerical Investigation on the Optical and Thermal Performance of Solar Parabolic Dish and Helical Conical Cavity Receiver***, Journal of Cleaner Production, Vol. 150, pp. 75-92., ISSN 0959-6526**,** (2017).	M21a
5.	Evangelos Bellos, Sasa Pavlovic, Velimir Stefanovic, Christos Tzivanidis, Branka B. Nakomcic-Smaradgakis, ***Parametric Analysis and Yearly Performance of a Trigeneration System Driven by Solar-Dish Collectors***, International Journal of Energy Research, doi. org/10.1002/er.4380, (2019).	M23
6.	Saša R. Pavlović, Evangelos A. Bellos, Velimir P. Stefanović, Christos Tzivanidis, Zoran Stamenković, **Design, *Simulation and Optimization of A Solar Dish Collector With Spiral-Coil Thermal Absorber***, Thermal Science, Year 2016, Vol.20.,No. 4. pp. 1387-1397, Serbia, Original scientific paper: ISSN 2334-7163 (online edition), ISSN 0354-9836 (printed edition).	M23
7.	Saša R. Pavlović, Evangelos Bellos, Willem G. Le Roux, Velimir P. Stefanović, Christos Tzivanidis, ***Experimental Investigation and Parametric Analysis of a Solar Thermal Dish Collector with Spiral Absorber***, Applied Thermal Engineering, Vol. 121, pp. 126-135, Serbia, Original scientific paper, ISSN 1359-4311(2017).	M22
8.	Sasa R. PAVLOVIC, Evangelos BELLOS, Velimir P. STEFANOVC, Milan M. DJORDJEVIC, Darko M. VASILJEVIC, ***Thermal and Exergetic Investigation of a Solar Dish Collector Operating with Mono and Hybrid Nanofluids***, Thermal Science, Vol. 22, Suppl.5., pp. S1383-S1393, (2018)**.**	M22a
9.	V. Stefanović, S. Pavlović, E. Bellos, C. Tzivanidis, ***A Detailed Parametric Analysis of a Solar Dish Collector***, Sustainable Energy Technologies and Assessments, Elsevier, 25, pp. 99 - 110, 10.1016/j.seta.2017.12.005, (2017).	M23

10.	Saša R. Pavlović, Velimir P. Stefanović, Suad H. Suljković, ***Optical Modeling of a Solar Dish Thermal Concentrator Based on Square Flat Facets***, Thermal Science, Vol. 18, No. 3, pp. 989-998, Original scientific paper, ISSN 0354-9836 (printed edition), (2014).	M23
11.	Evangelos Bellos, Christos Tzivanidis, Sasa Pavlovic, Velimir Stefanovic, ***Thermodynamic investigation of LiCl-H_2O working pair in a double effect absorption chiller driven by parabolic trough collectors***, Thermal Science and Engineering Progress, Volume 3, September 2017, Pages 75-87, https://doi.org/10.1016/j.tsep.2017.06.005	M23

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	94 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	17	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		**BRANISLAV V. STOJANOVIĆ**	
Rank		Full professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2014	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	1998	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	1992	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Master's degree			
Engineer's degree	1977	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	B. Stojanović, J. Janevski, M. Stojiljković, ***Experimental investigation of thermal conductivity coefficient and heat exchange between fluidized bed and inclined exchange surface***, Brazilian Journal of Chemical Engineering, vol. 26, no. 02, pp.343-352, April-June 2009.	M22
2.	Bojan V. ANĐELKOVIĆ, Branislav V. STOJANOVIĆ, Mladen M. STOJILJKOVIĆ, Jelena N. JANEVSKI, Milica B. STOJANOVIĆ, ***Thermal Mass Impact on Energy Performance of a low, medium and heavy Mass Building in Belgrade***, Thermal Science, Year 2012, Vol. 16, Suppl. 2, pp. S447-S459, DOI:10.2298/TSCI120409182A, ISSN0354-9836, UDC:621.	M21a
3.	Marko G. IGNJATOVIĆ, Bratislav D. BLAGOJEVIĆ, Branislav V. STOJANOVIĆ, Mladen M. STOJILJKOVIĆ, ***Influence of Glazing Types and Ventilation Principles in double Skin Façades on Delivered Heating and Cooling Energy during Heating Season in an Office Building,*** Thermal Science, Year 2012, Vol. 16, Suppl. 2, pp. S461-S469, DOI:10.2298/TSCI120427183I, ISSN0354-9836, UDC:621	M24
4.	Branislav V. Stojanović, Jelena N. Janevski, Petar B. Mitković, Milica B. Stojanović, Marko G. Ignjatović, ***Thermally activated building systems in context of increasing building energy efficiency***, Thermal Science, Vinča Institute of Nuclear Sciences, Belgrade, 18, 3, pp. 1011-1018, 2334-7163 (online edit.), 621, DOI: 10.2298/TSCI1403011S, 2014.	M22
5.	Јелена Јаневски, Бранислав Стојановић, Младен Стојиљковић, Vukić Mića, ***EXPERIMENTAL RESEARCH OF THE INFLUENCE OF PARTICLE SIZE AND FLUIDIZATION VELOCITY ON ZEOLITE DRYING IN A TWOCOMPONENT FLUIDIZED BED***, од стр. S103, до стр. S111, UDC: , DOI: 10.2298/TSCI160128058J Thermal Science, 2016, Vinča Institute of Nuclear Sciences, Belgrade, Suppl. 1, 20, ISSN 23347163 (online edition), ISSN 03549836 (printed edition).	M23
6.	Dejan M. Mitrović, Marko G. Ignjatović, Branislav V. Stojanović, Jelena N. Janevski, Mirko M. Stojiljković, ***COMPARATIVE EXERGETIC PERFORMANCE ANALYSIS FOR CERTAIN THERMAL POWER PLANTS IN SERBIA***, Thermal Science, Vinča Institute of Nuclear Sciences, Belgrade, 20, Suppl. 5, pp. S1259 - S1269, ISSN 2334-7163 (online edition), ISSN 0354-9836 (printed edition), 10.2298/TSCI16S5259M, 2016.	M23
7.	Branislav Stojanović, Jelena Janevski, Mladen Stojiljković, Dejan Mitrović ***CHARACTERISTICS OF COMBUSTION CHAMBER FOR COMBUSTION OF PELLETS AND WOODCHIPS***, 15th Symposium on Thermal Science and Engineering of Serbia, Sokobanja, Serbia, October 18–21, 2011, pp. 479-489, ISBN 978-86-6055-018-9, University of Niš, Faculty of Mechanical Engineering Niš.	M23
8.	Јелена Јаневски, Бранислав Стојановић, Мирјана Лаковић, Mirko M. Stojiljković, Дејан Митровић, ***Wood biomass in Serbia – Resources and possibilities of use***, Energy Sources Part B Economics Planning and Policy, Taylor & Francis, 11, 8, pp. 732 - 738, Print ISSN: 1556-7249 Online ISSN: 1556-7257, DOI: 10.1080/15567249.2013.791897, 2016.	M21a
9.	B. Stojanović, J. Janevski, ***Obnovljivi izvori energije - solarna energija [Renewable energy sources – solar energy]***, 2014, Mašinski fakultet u Nišu (univerzitetski udžbenik)	M23
10.	B. Stojanović, J. Janevski, D. Mitrović, ***Obnovljivi izvori energije - energija iz okoline i geotermalna energija [Renewable energy sources – ambient power and geothermal energy]***, 2019, Mašinski fakultet u Nišu (univerzitetski udžbenik)	M21a

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	25 heterocitations (*source Scopus*)
Total number of papers on the SCI (or SSCI) list	13

Current participation in projects	Domestic: 1	International: 0
Professional development.		
Other information considered relevant		

First name and surname		**MLADEN M. STOJILJKOVIĆ**	
Rank		Full professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2006	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	1994	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	1982	Faculty of Mechanical Engineering in Belgrade	Process Engineering
Master's degree			
Engineer's degree	1975	Faculty of Mechanical Engineering in Niš	Design

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Drying of fine grained material in two component fluidized bed"	Jelena Janevski		13/07/2009
2.	"Energy efficiency of the steam block with recirculating and once-through cooling subject to atmospheric air condition"	Mirjana Laković		08/10/2010
3.	"Analysis and assessment of sustainable energy system of building stock"	Biljana Vučićević, MSc		28/02/2014

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Mladen Stojiljković, ***Prenos toplote u fluidizovanom sloju [Heat transfer in a fluidized bed]***, Mašinski fakultet Univerzitet u Nišu, Unigraf X-Copy, ISBN 978-86-6055-117-9, Niš, 2019.	
2.	Vučićević B., Stojiljković M., Afgan N., Turanjanin V., Jovanović M., Bakić V., ***Sustainability assessment of residential buildings by non-linear normalization procedure***, Energy and Buildings, (2013), vol. 58 br. , str. 348-354.	M21
3.	M. Lakovic, D. Mitrovic, V. Stefanovic, M. Stojiljkovic, ***Coal-fired Power Plant Power Output Variation Due to Local Weather Conditions***, Energy Sources, Part A-Recovery, Utilization and Environmental Effects, Volume 34, Iss. 23, 2012, pp. 2164-2177.	M22
4.	M. M. Stojiljković, M. M. Stojiljković, B. Blagojević, ***Multi-Objective Combinatorial Optimization of Trigeneration Plants Based on Metaheuristics***, ENERGIES, 2014, Vol. 7, br. 12, str. 8554-8581; doi:10.3390/en7128554.	M22
5.	M. Tomić, P. Živković, M. Vukić, G. Ilić, M. Stojiljković, ***Numerical Study of Perforated Plate Convective Heat Transfer***, Thermal Science: Year 2014, Vol. 18, No. 3, pp. 949-956, DOI: 10.2298/TSCI1403949T, ISSN 0354-9836, UDC:621.	M22
6.	M. M. STOJILJKOVĆ, M. M. STOJILJKOVIĆ, M. IGNJATOVIĆ, G. VUČKOVIĆ, ***Cost-optimal energy retrofit for Serbian residential buildings connected to district heating systems,*** Thermal Science, Year 2018, Vol. 22, Suppl. 5, pp. S1511-S1520.	M22
7.	Mirko M. Stojiljković, Mladen M. Stojiljković, Bratislav D. Blagojević, ***Mathematical Modeling and Optimization of Tri-Generation Systems with Reciprocating Engines***, Thermal Science: Year 2010, Vol. 14, No. 2, pp. 541-553.	M23
8.	Stojiljković M., Stojiljković M., Blagojević B., Vučković G., Ignjatović M., ***Effects of Implementation of Co-generation in the District Heating System of the Faculty of Mechanical Engineering in Nis*** (2010) Thermal Science, Vol. 14, Suppl., pp. S41-S51.	M23
9.	B. Anđelković, B.Stojanović, M. Stojiljković, J. Janevski, M. Stojanović, ***Thermal Mass Impact on Energy Performance of a Low, Medium, and Heavy Mass Building in Belgrade***, Thermal Science, Year 2012, Vol. 16, Suppl. 2, pp. S447-S459.	M23
10.	M. Ignjatović, B. Blagojević, B. Stojanović, M. Stojiljković, ***Influence of Glazing Types and Ventilation Principles in Double Skin Facades on Delivered Heating and Cooling Energy During Heating Season in an Office Building***, Thermal Science, Year 2012, Vol. 16, Suppl. 2, pp. S461-S469, DOI:10.2298/TSCI120427183I, ISSN0354-9836.	M23
11.	Janevski J., Stojanoviuć B., Stojiljković M., Vukić M., ***Experimental Research of the Influence of Particle Size and Fluidization Velocity on Zeolite Drying in a Two-Component Fluidized Bed***, Thermal Science, Vinča Institute of Nuclear Sciences, Belgrade,, vol. 20, pp.S103-S111, ISSN: 2334-7163, DOI: 10.2298/TSCI160128058J, 2016.	M23
12.	Vučković G., Stojiljković M., Vasiljević G., ***Exergoeconomics evaluation of real processes for coffee roasting***, Thermal Science, Vol. 20, Suppl. 5, pp. S1271-S1283, 2016.	M23

13.	Dimitrijević D., Živković P., Stojiljković M., Todorović M., Spasić-Đorđević S., ***Green Living Roof Implementation and Influences of the Soil Layer on its Properties***, Thermal Science, Year 2016, Vol. 20, Suppl. 5, pp. S1511-S1520.	M23

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	94 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	15	
Current participation in projects	Domestic: 1	International: 0
Professional development *Study visit in 1988 in the duration of 1.5 months at the Institute of Process Engineering at the Cracow University of Technology as a grant beneficiary of the Republic Scientific Community of the FR of Serbia – research into heat and mass transfer in a fluidized bed.*		
Other information considered relevant		

First name and surname		**MIROSLAV D. TRAJANOVIĆ**	
Rank		Full professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2006	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	1995	Faculty of Mechanical Engineering in Niš	Production Engineering
Magister degree	1986	Faculty of Mechanical Engineering in Niš	Production Engineering
Master's degree			
Engineer's degree	1978	Faculty of Mechanical Engineering in Niš	Production Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Finite element analysis of a rolling tyre"	Nikola Korunović		24/11/2011
2.	"Formal framework for semantic interoperability in supply chain networks"	Milan Zdravković		09/10/2012
3.	"Application of additive technologies in fabrication of anatomical custom made scaffolds for bone tissue reconstruction"	Jelena Milovanović, MSc		08/04/2014
4.	"Geometric modeling of objects with free-form elements supported by analysis of their semantic features"	Milan Trifunović		26/02/2016
5.	"Reverse engineering of human long bones based on morphometric parameters"	Nikola Vitković		18/03/2016
6.	"Creating of 3D solid model of the human hip bone in the case of incomplete input volumetric data"	Milica Tufegdžić, MSc		21/06/2017

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1	Milan Zdravković, Hervé Panetto, Miroslav Trajanović, Alexis Aubry, ***An Approach for Formalizing the Supply Chain Operations, Enterprise Information System***, Volume 5, Issue 4, Taylor & Francis Group, 2011, Page 401-421, DOI:10.1080/17517575.2011.593104, (M21, IF=3,684)	M21
2	Nikola Korunović, Miroslav Trajanović , Miloš Stojković, Nikola Vitković, Milan Trifunović, Jelena Milovanović, ***Detailed vs. Simplified Tread Tire Model for Steady-State Rolling Analysis***, Strojarstvo: časopis za teoriju i praksu u strojarstvu, Vol. 54, No 2, pp 153-160, 2012. (M23)	M23
3	Milan Zdravković, Miroslav Trajanović, Miloš Stojković, Dragan Mišić, Nikola Vitković, ***A case of using the Semantic Interoperability Framework for custom orthopedic implants manufacturing***, Annual Reviews in Control, Volume: 36 Issue: 2 Pages: 318-326 DOI: 10.1016/j.arcontrol.2012.09.013 Published: DEC 2012 (M21, IF=1,289)	M21
4	Vidosav Majstorovic, Miroslav Trajanovic, Nikola Vitkovic, Milos Stojkovic, ***Reverse engineering of human bones by using method of anatomical features***, CIRP Annals - Manufacturing Technology 62 (2013) 167–170 (M21, IF 2,251)	
5	Vitković, N., Milovanović, J., Korunović, N., Trajanović, M., Stojković, M., Mišić, D., Arsić, S., ***Software System for Creation of Human Femur Customized Polygonal Models***, Computer Science and Information Systems, Vol. 10, No. 3, 1473-1497. (2013) (M23, IF=0,625)	M23
6	Saša Milenkovic, Milorad Mitkovic, Ivan Micic, Desimir Mladenovic, Stevo Najman, Miroslav Trajanovic, Miodrag Manic, Milan Mitkovic, ***Distal tibial pilon fractures (AO/OTA type B, and C) treated with the external skeletal and minimal internal fixation method,*** Vojnosanitetski Pregled 2013; 70(9): 836–841 (M23, IF=0,21)	M23
7	Milan Zdravković, Herve Panetto, Miroslav Trajanović, Alexis Aubry, ***Explication and semantic querying of enterprise information systems***, Knowledge and Information Systems, Volume 40, Issue 3 (2014), Page 697-724, DOI: 10.1007/s10115-013-0650-x (M21, IF=2,639)	M21
8	Madić Miloš, Radovanović Miroslav, Manić Miodrag, Trajanović Miroslav, ***Optimization of ANN models using different optimization methods for improving CO2 laser cut quality characteristics,*** Journal of the Brazilian Society of Mechanical Science and Engineering, January 2014, Volume 36, Issue 1, pp 91-99 (M23, IF=0,385)	M23

9	Milan Trifunovic, Milos Stojkovic, Miroslav Trajanovic, Miodrag Manic, Dragan Misic and Nikola Vitkovic, ***Analysis of semantic features in free-form objects reconstruction***, Artificial Intelligence for Engineering Design, Analysis and Manufacturing, Volume 30, Issue 1, 2 December 2014, Pages 44-63, DOI: 10.1017/S0890060415000153 (M22, IF=0,604)	M22
10	Nikola Vitković, Jelena Mitić, Miodrag Manić, Miroslav Trajanović, Karim Husain, Slađana Petrović, and Stojanka Arsić, ***The Parametric Model of the Human Mandible Coronoid Process Created by Method of Anatomical Features***, Computational and Mathematical Methods in Medicine, vol. 2015, Article ID 574132, 10 pages, 2015. doi:10.1155/2015/574132 (M23, IF=1.018)	M23
11	Tufegdzic Milica, Arsic Stojanka, Trajanovic Miroslav, ***Parameter-based morphometry of the wing of ilium***, Journal of the Anatomical Society of India , Volume 64, Issue 2, December 2015, Pages 129 - 135, doi: 10.1016/j.jasi.2015.10.008 (M23, IF=0,146)	M23
12	Milan Zdravković, Ovidiu Noran, Hervé Panetto and Miroslav Trajanović, ***Enabling Interoperability as a Property of Ubiquitous Systems for Disaster Management***, Computer Science and Information Systems, Volume 12, Issue 3, August 2015, DOI: 10.2298/CSIS141031011Z (M23, IF=0,447)	M23
13	Dijana Takić Miladinov, Simonida Tomić, Sanja Stojanović, Jelena Najdanović, Jovanka Filipović, Miroslav Trajanović, Stevo Najman, ***Synthesis, Swelling Properties and Evaluation of Genotoxicity of Hydrogels Based on (Meth)acrylates and Itaconic Acid***, Materials Research, vol.19 no.5, pp 1070-1079, São Carlos, Sept./Oct. 2016 DOI: http://dx.doi.org/10.1590/1980-5373-MR-2016-0222 (M23, IF=0,873)	M23
14	Milica Tufegdzic, Stojanka Arsic, Miroslav Trajanovic, ***Predictive geometrical model of the upper extremity of human fibula***, Biocybernetics and Biomedical Engineering, Biocybernetics and biomedical engineering, (2016), vol. 36 br. 1, str. 172-181, (M23, IF=0,808)	M23
15	Milan Zdravković, Fernando Luis-Ferreira, Ricardo Jardim-Goncalves, Miroslav Trajanović, ***On the formal definition of the systems' interoperability capability: an anthropomorphic approach***, Enterprise Information Systems, Volume 11, 2017 - Issue 3, pp389-413, DOI:10.1080/17517575.2015.1057236 (M22, IF=1,908)	M22
16	Miroslav Trajanović, Milica Tufegdžić, Stojanka Arsić, ***Obtaining patient-specific point model of the human ilium bone in the case of incomplete volumetric data using the method of parametric regions***, Australasian physical and engineering sciences in medicine, December 2018, Volume 41, Issue 4, pp 931–944, https://doi.org/10.1007/s13246-018-0689-9, (M23, IF=1,032)	M23
17	NikolaVitković, Miloš Stojković, Vidosav Majstorović, Miroslav Trajanović, Jelena Milovanovića, ***Novel design approach for the creation of 3D geometrical model of personalized bone scaffold***, CIRP Annals, Volume 67, Issue 1, 2018, Pages 177-180, https://doi.org/10.1016/j.cirp.2018.04.064 , (M21, IF=3,333)	M21
18	Nikola Vitković, Srđan Mladenović, Milan Trifunović, et al., ***"Software Framework for the Creation and Application of Personalized Bone and Plate Implant Geometrical Models***," Journal of Healthcare Engineering, vol. 2018, Article ID 6025935, 11 pages, 2018. https://doi.org/10.1155/2018/6025935, (M23, IF=1.261)	M23
19	Stojkovic Milos, Veselinovic Marko, Vitkovic Nikola, Marinkovic Dragan , Trajanovic Miroslav, Arsic Stojanka, Mitkovic Milorad, ***Reverse Modelling of Human Long Bones Using T-Splines - Case of Tibia***, TEHNICKI VJESNIK-TECHNICAL GAZETTE 2018 25 (6):1753-1760, (M23, IF=0.686)	M23
20	Nikola Korunovic, Dragan Marinkovic, Miroslav Trajanovc, Manfred Zehn, Milorad Mitkovic, Saverio Affatato, ***In Silico Optimization of Femoral Fixator Position and Configuration by Parametric CAD Model***, Materials 2019, 12(14), 2326; https://doi.org/10.3390/ma12142326 (M22, IF=2.972)	M22

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	212 (Web of Science)	
Total number of papers on the SCI (or SSCI) list	44	
Current participation in projects	Domestic: 2	International: 2
Professional development		
Other information considered relevant		

First name and surname		**ŽARKO M. ĆOJBAŠIĆ**	
Rank		Full professor	
Specialized scientific field		Automatic Control and Robotics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2013	Faculty of Mechanical Engineering in Niš	Automatic Control and Robotics
Doctorate	2002	Faculty of Mechanical Engineering in Niš	Automatic Control and Robotics
Magister degree	1997	Faculty of Mechanical Engineering in Niš	Automatic Control and Robotics
Master's degree			
Engineer's degree	1993	Faculty of Mechanical Engineering in Niš	Automatic Control

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Intelligent control of mobile robot based on neuro-fuzzy-genetic object recognition and human tracking"	Ivan Ćirić, MSc		15/12/2015
2.	"Intelligent control, modeling and optimization of the casting process"	Nedeljko Dučić		22/02/2017

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Ćojbašić Ž. et al (2016), ***Surface roughness prediction by extreme learning machine constructed with abrasive water jet***, PRECISION ENGINEERING JOURNAL, Volume 43, January 2016, Pages 86–92, DOI:10.1016/j.precisioneng.2015.06.013	M21
2.	Ćojbašić Ž., Brkić D. (2013), ***Very accurate explicit approximations for calculation of the Colebrook friction factor***, INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, Volume 67, February 2013, Pages 10–13, DOI:10.1016/j.ijmecsci.2012.11.017.	M21
3.	Ristanović M., Ćojbašić Ž., Lazić D. (2012), ***Intelligent Control of DC Motor Driven Electromechanical Fin Actuator***, CONTROL ENGINEERING PRACTICE, Volume 20, Issue 6, Pages 610-617, DOI: 10.1016/j.conengprac.2012.02.009.	M21
4.	Ćojbašić Ž., Nikolić V., Ćirić I., Ćojbašić Lj. (2011***), Computationally Intelligent Modelling and Control of Fluidized Bed Combustion Process***, THERMAL SCIENCE JOURNAL, Vol. 15, No. 2, pp. 321-338, DOI: 10.2298/TSCI101205031C.	M23
5.	Petković D., Issa M., Pavlović N. D., Zentner L., Ćojbašić Ž. (2012), ***Adaptive neuro fuzzy controller for adaptive compliant robotic gripper***, EXPERT SYSTEMS WITH APPLICATIONS, Volume 39, Issue 18, 2012, Pages 13295–13304, DOI: 10.1016/j.eswa.2012.05.072.	M21
6.	Ćojbašić Ž., Ristanović M., Marković N., Tešanović S. (2016), ***Temperature controller optimization by computational intelligence***, THERMAL SCIENCE JOURNAL, Year 2016, Vol. 20, Suppl. 5, pp. S1541 -S1552, DOI: 10.2298/TSCI16S5541C.	M23
7.	Lukić S., Ćojbašić Ž., Jović N., Popović M., Bjelaković B., Dimitrijević L., Bjelaković Lj. (2012), ***Artificial neural networks based prediction of cerebral palsy in infants with central coordination disturbance***, EARLY HUMAN DEVELOPMENT, 88 (2012), 547–553, DOI:10.1016/j.earlhumdev.2012.01.001.	M21
8.	Petković D., Ćojbašić Ž., Lukić S. (2013), ***Adaptive neuro fuzzy selection of heart rate variability parameters affected by autonomic nervous system***, EXPERT SYSTEMS WITH APPLICATIONS, Vol. 40, No. 11, pp. 4490-4495, DOI:10.1016/j.eswa.2013.01.055.	M21
9.	Lukić M., Ćojbašić Ž., Rabasović M., Markushev D. (2014***), Computationally intelligent pulsed photoacoustics***, MEAS. SCI. TECHNOL. 25 (2014), pp. 125203 (9pp), doi:10.1088/0957-0233/25/12/125203.	M21
10.	Petković D., Ćojbašić Ž., Nikolić V. (2013), ***Adaptive neuro-fuzzy approach for wind turbine power coefficient estimation***, RENEWABLE AND SUSTAINABLE ENERGY REVIEWS, Vol. 28, 2013, Pages 191–195, DOI: 10.1016/j.rser.2013.07.049.	M21
11.	Nikolić V., Shamshirband S., Petković D., Mohammadi K., Ćojbašić Ž., Altameem T., Gani A. (2015), ***Wind wake influence estimation on energy production of wind farm by adaptive neuro-fuzzy methodology***, ENERGY, Volume 80, 1 2015, Pages 361-372.	M21
12.	Ćojbašić I, Mačukanović-Golubović L, Vučić M, Ćojbašić Ž, ***Generic Imatinib in Chronic Myeloid Leukemia Treatment: Long-Term Follow-up***, CLIN LYMPHOMA MYELOMA LEUK. 2019 Sep;19(9):e526-e531.	M23
13.	Djordjevic K., Markushev D., Ćojbašić Ž. (2019), ***Photoacoustic Measurements of the Thermal and Elastic Properties of n-Type Silicon Using Neural Networks***, SILICON, https://doi.org/10.1007/s12633-019-00213-6.	M23
14.	Petković D., Ćojbašić Ž. (2012), ***Adaptive neuro-fuzzy estimation of autonomic nervous system parameters effect on heart rate variability***, NEURAL COMPUTING & APPLICATIONS, 2012, Volume 21, Number 8, Pages 2065-2070.	M21

15.	Bjelakovic B, Ilic D, Lukic S, Vukomanovic V, Ćojbašić Ž., Stankovic Z, Marko J., ***Reproducibility of 24-h heart rate variability in children***, CLIN AUTON RES. 2017 Aug;27(4):273-278.	M22
16.	Brkic D., Ćojbašić Ž. (2016), ***Intelligent Flow Friction Estimation***, COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE, vol. 2016, Article ID 5242596, 10 pages.	M23
17.	Dučić, N., Ćojbašić, Ž. (2017), Manasijević, S. et al., ***Optimization of the Gating System for Sand Casting Using Genetic Algorithm***, INTERNATIONAL JOURNAL OF METALCASTING (2017) 11: 255. https://doi.org/10.1007/s40962-016-0040-8.	M23
18.	Tamah A. E., Shamshirband S., Petković D., Zalnezhad E., LipYee P., Tahere R., Ćojbašić Ž., ***Comparative study of clustering methods for wake effect analysis in wind farm***, ENERGY, Volume 95, 15 January 2016, Pages 573-579.	M21
19.	Petković D., Pavlović N. D., Ćojbašić Ž., Pavlović N. T. (2013), ***Adaptive neuro fuzzy estimation of underactuated robotic gripper contact forces***, EXPERT SYSTEMS WITH APPLICATIONS, Volume 40, Issue 11, 15 January 2013, Pages 281-286.	M21
20.	Marković D., Petrović G., Ćojbašić Ž., Marinković D. (2019), ***A Metaheuristic Approach to the Waste Collection Vehicle Routing Problem with Stochastic Demands and Travel Times***, ACTA POLYTECHNICA HUNGARICA, Vol. 16, No. 7, 2019, pp. 45-60.	M22

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	1047 (SCOPUS, h-index=19), 1357 (Google Scholar, h-index=21)	
Total number of papers on the SCI (or SSCI) list	53	
Current participation in projects	Domestic: 2	International: 2

Professional development:

Longer professional development: Fraunhofer IPK Institute in Berlin, Germany (1998, 2003), Technical University of Braunschweig, Germany (1998), Technical University of Ilmenau, Germany (2003), Manchester Business School, England (2005), University of Vigo, Spain (2017), Technical University of Berlin, Germany (2018); Shorter visits as part of international projects: Technical University of Berlin, Germany (2013-2018), University of Bremen, Germany (2010-2015), Technical University of Munich, Germany (2010), Imperial College, London, Great Britain (2011), University of Karlsruhe, Germany (2010), Polytechnic University of Catalonia, Barcelona, Spain (2011), University of Exeter, Great Britain (2010), German University in Cairo, Egypt (2010), University of Nova Gorica, Slovenia (2019).

Other information considered relevant	*Participated in the implementation of over 30 international and national projects.*

First name and surname		**VLADISLAV A. BLAGOJEVIĆ**	
Rank		Associate professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2010	Faculty of Technical Sciences in Novi Sad	Production Systems and Technologies
Magister degree	2004	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Master's degree			
Engineer's degree	1998	Faculty of Mechanical Engineering in Niš	Production Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	V. A. Blagojević, S. S.Ranđelović, S. M. Milanović, ***Automatic Generation of PLC Programs For Pneumatic Actuators Sequential Control With Two End Positions***, XIV International Conference on Systems, Automatic Control and Measurements, Proceedings, University of Niš, Faculty of Electronic Engineering and Faculty of Mechanical Engineering, Niš, Serbia, 14-16 November, 2018, CD, ISBN 978-86-6125-205-1 (FEE)	M33
2.	Dragan Šešlija, Stanimir Čajetinac, Vladislav Blagojević, Jovan Šulc, ***Application of pulse width modulation and by-pass valve control for increasing energy efficiency of pneumatic actuator system***, Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control Engineering, Vol. 232, No. 10, pp. 1314-1324, https://doi.org/10.1177/0959651818780858, 2018	M23
3.	С. Ранђеловић, М. Милутиновић, В. Благојевић, ***Deep drawing technology with wall ironing in mass packaging industry***, Facta Universitatis, Series: Mechanical Engineering, University of Niš, vol. 15, no. 1, pp. 107 - 1117, issn: 0354-2025, doi: 10.22190/FUME160831005R, 2017.	M24
4.	V. Blagojević, P. Janković, ***Advantages Of Restoring Energy In The Execution Part Of Pneumatic System With Semi-Rotary Actuator*** , Thermal Science, Volume 20, Number 5, 2016, pp. s1599-s1609, DOI: 10.2298/TSCI16S5599B	M22
5.	S. Milanović, M. Jovanović, B. Nikolić, V. Blagojević, ***The Influence Of Secondary Flow In A Two-Phase Gas-Solid System In Straight Channels With A Non-Circular Cross-Section*** , Thermal Science, Volume 20, Number 5, 2016, pp. s1419-s1434, DOI: 10.2298/TSCI16S5419M	M22
6.	M. Madić, M. Kovačević, M. Radovanović, V . Blagojević, ***Software Tool For The Laser Cutting Process Control – Solving Real Industrial Case Studies*** , Facta universitatis series Mechanical Engineering, Vo12., N02, University of Niš, 2016, pp. 135-145, ISSN: 0354-2025 (Print), ISSN: 2335-0164 (Online)	M24
7.	V. Blagojević, D. Šešlija, M. Stojiljković, S. Dudić, ***Efficient control of servo pneumatic actuator system utilizing by-pass valve and digital sliding mode***, Sadhana, Indian Academy of Sciences, Vol 38, №2, April 2013, pp. 187-197.	M23
8.	S. Dudić, I. Ignjatović, D. Šešlija, V. Blagojević, M. Stojiljković, ***Leakage quantification of compressed air using ultrasound and infrared thermography***, Measurement, Vol 45, No 7, 2012, pp. 1689-1694.	M22
9.	S. Dudić, I. Ignjatović, D. Šešlija, V. Blagojević, M. Stojiljković, ***Leakage quantification of compressed air on pipes using thermovision***, Thermal Science, Vol. 16, No 2, 2012, pp. s621-s631	M23
10.	V. Blagojević, D. Šešlija, M. Stojiljković, ***Cost effectiveness of restoring energy in execution part of pneumatic system***, Journal of Scientific & Industrial Research, Vol 70., №2, February 2011, pp. 170-176.	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	39 (Web of Science)	
Total number of papers on the SCI (or SSCI) list	7	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		**PREDRAG M. ŽIVKOVIĆ**	
Rank		Associate professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2017	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2011	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	2006	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Master's degree			
Engineer's degree	2000	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Tomić M., Živković P., Milutinović B., Vukić M., Andjelković A.: ***Experimental and Numerical Investigation of Thermal and Fluid-Flow Processes in a Matrix Heat Exchanger***, Thermal Science (2019) Vol. 23, No. 1, pp. 11-21.	M22
2.	Dimitrijević D., Živković P., Stevanović Ž., ***The impact of the building envelope with the green living systems on the built environment***, Thermal Science (2018) Vol. 22, Suppl. 4, pp. S1033-S1045.	M22
3.	Tomić M., Ayed S., Stevanović Ž., Đekić P., Živković P., Vukić M.: ***Perforated Plate Convective Heat Transfer Analysis***, Int. J. of Thermal Sciences, Elsevier France-Editions Scientifiques Medicales (2018), Vol. 124, pp. 300- 306.	M21a
4.	Dimitrijević D., Živković P., Stojiljković M., Todorović M., Spasić-Đorđević S., ***Green Living Roof Implementation and Influences of the Soil Layer on its Properties***, Thermal science, (2016), Vol. 20, Suppl. 5, pp. S1511-S1520	M23
5.	Stevanović Ž., Ilić G., Vukić M., Živković P., Blagojević B., Banjac M.: ***CFD Simulations of Thermal Comfort in Naturally Ventilated Primary School Classrooms***, Thermal Science (2016) Vol. 20, Suppl. 1, pp. S287-S296.	M23
6.	Živković P., Tomić M., Janevski J., Stevanović Ž., Milutinović B., Vukić M.: ***Experimental and Analytical Research of the Heat Transfer Process in the Package of Perforated Plates***, Th. Sci. (2016) Vol. 20, Suppl. 5, pp. S1251-S1257.	M22
7.	Ayed S., Tomić M., Živković P., ***A Specific Approach for Estimating Traffic-Induced Urban Pollution***, Polish Journal of Environmental Studies, (2015), Vol. 24, No. 6, pp. 2739-2744	M23
8.	Vukić M., Tomić M., Živković P., Ilić G.: ***Effect of Segmental Baffles on the Shell-and-Tube Heat Exchanger Effectiveness***, Chemical Industry Journal (2014) Vol. 68, No. 2, pp. 171-177.	M21a
9.	Tomić M., Živković P., Vukić M., Ilić G., Stojiljković M.: ***Numerical Study of Perforated Plate Convective Heat Transfer***, Thermal Science (2014) Vol. 18, No. 3, pp. 949-956.	M22
10.	Tomić M., Milutinović B., Živković P., Djekić P., Boričić A., ***Measurement and Improvement of Indoor Air Quality in an Information Technology Classroom***, Thermal science, (2014), Vol. 18, No. 3, pp. 915-924.	M22
11.	Vukić M., Tomić M., Živković P., Ilić G.: ***Effect of Segmental Baffles on the Shell-and-Tube Heat Exchanger Effectiveness***, Chemical Industry Journal (2014) Vol. 68, No. 2, pp. 171-177.	M23
12.	Živković P., Vlastimir V., Ilić G., Ćojbašić Ž., Ćirić I., ***Hybrid Soft Computing Control Strategies for Improving the Energy Capture of a Wind Farm***, Thermal Science (2012), Vol. 16, Suppl. 2, pp. S483-S491.	M23
13.	Tomić M., Perković L., Živković P., Duić N., Stefanović G., ***Closed Vessel Combustion Modelling By Using Pressure-Time Evolution Function Derived From Two Zonal Approach***, Thermal Science (2012), Vol. 16, No. 2, pp. 561-572.	M23
14.	Živković P., Tomić M., Ilić G., Vukić M., Stevanović Ž., ***Specific Approach for Continuous Air Quality Monitoring***, Chemical Industry 66 (1) 2012, UDC 502.3.681.5.08, pp 85-93, doi:10.2298/hemind110525066z, 2012.	M23
15.	Ilić G., Vukić M., Radojković N., Živković P., Stojanović I.: ***Termodinamika II – osnove prostiranja toplote i materije [Thermodynamics II – basics of heat and mass transfer]***, Mašinski fakultet Univerziteta u Nišu, Unigraf X-Copy, ISBN 978-86-6055-056-1, Niš, 2014.	-

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	44 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	17	
Current participation in projects	Domestic: 2	International: 0
Professional development		

JICA grant beneficiary January–April 2010, Cleaner Production for Productivity Improvement and Energy Conservation on Maintenance Management (B) J0900721.	
Other information considered relevant	

First name and surname		**GORAN B. JANEVSKI**	
Rank		Associate professor	
Specialized scientific field		Theoretical and Applied Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2015	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Doctorate	2010	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Magister degree	2003	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Master's degree			
Engineer's degree	1994	Faculty of Mechanical Engineering in Niš	Production Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	I. Pavlović, R. Pavlović, G. Janevski (2019) ***Mathematical modeling and stochastic stability analysis of viscoelastic nanobeams using higher-order nonlocal strain gradient theory***, Archives of Mechanics, Vol. 71(2), 137-153.	M23
2.	I. Pavlović, R. Pavlović, G. Janevski (2019) **Dynamic stability and instability of nanobeams based on the higher-order nonlocal strain gradient theory**, The Quarterly Journal of Mechanics and Applied Mathematics, Vol. 72(2), 157-178	M23
3.	I. Pavlović, D. Karličić, R. Pavlović, G. Janevski, I. Ćirić (2016) ***Stochastic stability of multi-nanobeam systems***, International Journal of Engineering Science, Vol.109, 88-105	M21a
4.	I. Pavlović, R. Pavlović, G. Janevski (2016) ***Dynamic instability of coupled nanobeam systems***, Meccanica, Vol.51, 1167-1180	M22
5.	Stamenković, M.B., Karličić, D., Janevski, G., Kozić, P. (2016) ***Nonlocal forced vibration of a double single-walled carbon nanotube system under the influence of an axial magnetic field***, JOMMS, Vol.11, 279-307	M23
6.	G. Janevski, P. Kozić, I. Pavlović, (2014) ***Moment Lyapunov exponents of the Parametrical Hill's equation under the excitation of two correlated wideband noises***, *Structural Engineering and Mechanics*, Vol. 52. No.3. 523-540	M22
7.	Pavlović, I., Pavlović, R., Kozić, P., Janevski, G. (2013)***Almost sure stochastic stability of a viscoelastic double-beam system***, Archive of Applied Mechanics, Vol.83, 1591-1605	M23
8.	G. Janevski, P. Kozić, R. Pavlović, (2012) ***Moment Lyapunov exponents and stochastic stability of a thin- walled beam subjected to eccentric axial loads***, Journal of Theoretical and Applied Mechanics, (Poland), Vol. 50 (1), 61-83	M23
9.	Goran Janevski, Predrag Kozić, Ratko Pavlović, Zoran Golubović, (2011) ***The moment Lyapunov exponent of a Timoshenko beam under bounded noise excitation***, Archive of Applied Mechanics, *Vol. 81, 403-417*	M23
10	Predrag Kozić, Goran Janevski, Ratko Pavlović, (2010) ***Moment Lyapunov exponents and stochastic stability of a double-beam system under compressive axial load***, International Journal of Solid and Structures, Vol. 47 (10), 1435-1442	M21
11.	Predrag Kozić, Ratko Pavlović, Goran Janevski, (2008) ***Moment Lyapunov exponents of the stochastic parametrical Hill's equation***, International Journal of Solid and Structures, *Vol.45. (24), pp.6056-6066*	M21

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	119 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	17	
Current participation in projects	Domestic: 1	International: 0
Professional development		
Other information considered relevant		

First name and surname		**JELENA N. JANEVSKI**	
Rank		Full professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2020	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2009	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	2000	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes in Heat and Mass Transfer
Master's degree			
Engineer's degree	1994	Faculty of Mechanical Engineering in Niš	Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Janevski J., Stojanoviuć B., Stojiljković M., Dedić A., Živković P., ***The influence of the air temperature and the mass ratio of zeolite and inert material on the efficiency on the fluidized bed drying process – experimental research***, Advanced Technologies, Faculty of Technology Leskovac, University of Niš, Vol. 7, No. 2, pp.54-62.	M51
2.	Janevski J., Stojanoviuć B., Stojiljković M., Živković P., Mitrović D., Dimitrijević Jovanović D., ***Bubbling Fluidization of Binary Mixtures: Determination of Minimum Fluidization Velocity***, ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering Tome XVI [2018] Fascicule 4, ISSN 2601 -2332, 2018.	M51
3.	Mitrović D., Stojanoviuć B., Janevski J., Ignjatović M., Vučković G., ***Exergy and Exergoeconomic Analysis of a Steam Boiler***, Thermal Science, Vinča Institute of Nuclear Sciences, Belgrade, vol. 22, pp. S1601-S1612, 2018.	M22
4.	Dedić A., Svrzić S., Janevski J., Stojanoviuć B., Milenković M., ***Three – dimensional Model for Heat and Mass Transfer During Convective Drying of Wood with Microwave Heating***, Journal of Porous Media, Begell House Inc, vol. 21, no. 10, pp.877-886, ISSN: 1091-028X, DOI: 10.1615/JporMedia.2018018908, Danbury, 2018.	M22
5.	Mitrović D., Ignjatović M., Stojanoviuć B., Janevski J., et all, ***Comparative Exergetics Performance Analysis for Certain Thermal Power Plants in Serbia***, Thermal Science, Vinča, Belgrade, vol. 20, pp.S1259-S1269, 2016.	M23
6.	Janevski J., Stojanoviuć B., Stojiljković M., Vukić M., ***Experimental Research of the Influence of Particle Size and Fluidization Velocity on Zeolite Drying in a Two-Component Fluidized Bed***, Thermal Science, Vinča Institute of Nuclear Sciences, Belgrade,, vol. 20, pp.S103-S111, ISSN: 2334-7163, DOI: 10.2298/TSCI160128058J, 2016.	M23
7.	Janevski J., Stojanoviuć B., Laković M., Stojiljković Mirko, Mitrović D., ***Wood Biomass in Serbia – Resources and Possibilities of use***, Energy Sources Part B Economics Planning and Policy, Taylor & Francis, vol. 11, no. 08, pp.732-738, ISSN:1556-7257, DOI: 10.1080/15567249.2013.791897, 2016.	M23
8.	Živković P., Tomić M., Janevski J., Stevanović Žana, Milutinović B., Vukić M., ***Experimental and Analytical Research of the Heat Transfer Process in the Package of Perforated Plates***, Thermal Science, Vinča Institute of Nuclear Sciences, Belgrade, vol. 20, pp.S1251-S1257, ISSN: 0354-9836, DOI: 10.2298/TSCI16S5251Z, 2016.	M23
9.	Mitrović D., Blagojević B., Ignjatović M., Stojanoviuć B., Janevski J., ***SCADA systems in District Heating – the Impact on Increasing Energy Efficiency and the Reduction of CO2 Emission***, Facta Universitatis Series: Working and Living Environmental Protection, University in Niš, Vol. 12, No 2, pp. 25-35, ISSN: 978-86-7892-713-3, 2015	M24
10.	Vukić M., Janevski J., Stojanoviuć B., Vučković G., Petrović A., ***Experimental Investigation of the Drying Kinetics of Corn in a Packed and Fluidized Bed***, IJCCE, vol. 34, no. 03, pp.43-49, ISSN:1021-9986, 2015.	M23
11.	Stojanoviuć B., Janevski J., Mitković P., Stojanović M., Ignjatović M., ***Thermally activated building systems in context of increasing building energy efficiency***, Thermal Science, Vinča Institute of Nuclear Sciences, Belgrade, Year 2014, Vol.18, no.03, pp. 1011-1018, DOI:10.2298/TSCI1403011S, ISSN2334-7163, UDC:621	M22
12.	Mitrović D., Janevski J., Laković M., ***Primary Energy Savings Using Heat Storage for Biomass Heating Systems***, Thermal Science, Year 2012, Vol. 16, Suppl. 2, pp. S423-S431, DOI:10.2298/TSCI120503180M, ISSN0354-9836.	M23
13.	Anđelković B., Stojanoviuć B., Stojiljković M., Janevski J., Stojanović M., ***Thermal Mass Impact on Energy Performance of a low, medium and heavy Mass Building in Belgrade***, Thermal Science, Year 2012, Vol. 16, Suppl. 2, pp. S447-S459, DOI:10.2298/TSCI120409182A, ISSN0354-9836, UDC:621.	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	24 (*source Scopus*)

Total number of papers on the SCI (or SSCI) list	12	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		**PREDRAG LJ. JANKOVIĆ**	
Rank		Associate professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2015	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2009	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree	1998	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Master's degree			
Engineer's degree	1991	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Influence of the process parameters on technological characteristics of coatings used in defence industry"	Desimir Jovanović, MSc		06/02/2019

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Janković P, Planić S, ***Environmental influence of railway sleepers***, Second conference on sustainable development and climate change, University of Nis, Faculty of Mechanical Engineering, pp. 118 - 122, Serbia, 13. - 15. Sep, 2010	M63
2.	Mladenović S, Rančić B, Janković P, Planić S, ***Design and Tensiometric Analysis of the C-clamp for Railroad Tracks***, 34th International Conference on Production Engineering, Faculty of Mechanical Engineering, University of Niš, pp. 163 - 166, Serbia, 28. - 30. Sep, 2011	M33
3.	Baralić J, Nedić B, Janković P, ***The traverse speed influence on surface roughness in abrasive waterjet cutting applications***, 12th International Conference on Tribology - SERBIATRIB '11, Serbian Tribology Society and Faculty of Mechanical Engineering University of Kragujevac, pp. 349 - 354, Serbia, 11. - 13. May, 2011	M33
4.	Janković P, Rančić B, ***Some specific features of a polymer composites stamping process***, 7th International Conference "Research and Development of Mechanical Elements and Systems" - IRMES 2011, University of Nis, Faculty of Mechanical Engineering, pp. 333 - 338, Serbia, 27 - 28. Apr, 2011	M33
5.	Janković P, Radovanović M, ***Effect of process parameters on cutting ability in abrasive water jet machining***, 11th International Scientific Conference MMA 2012, University of Novi Sad, Faculty of technical sciences, Novi Sad, pp. 25 - 28, Serbia, 20. - 21. Sep, 2012	M33
6.	Janković P, Nikodijević D, Igić T, ***Process parameters effect on material removal mechanism and cut quality of abrasive water jet machining***, Theoretical and Applied Mechanics, Srpsko društvo za mehaniku, 40, 1, pp. 247 - 261, 2012	M24
7.	Janković P, Marinković V, Rančić B, ***A Computer Assisted Process Design of Multi-Step Deep Drawing***, Strojarstvo: časopis za teoriju i praksu u strojarstvu, Hrvatski strojarski i brodogradevni inženjerski savez, 54, 3, pp. 189 - 196, 2012.	M23
8.	Janković P, Манојловић Ј, Ђукић S, ***Virtual instrumentation for strain measurement using Wheatstone bridge mode***l, FACTA UNIVERSITATIS Series: Electronics and Energetic, University of Nis, -1, 26, 1, pp. 69 - 78, 621, 2013	M24
9.	Janković P, Radovanović M, Baralić J, Nedić B, ***Prediction model of surface roughness in abrasive water jet cutting of aluminium alloy***, Journal of the Balkan Tribological Association, Balkan Tribological Association, pp. 618-628, 2013.	M23
10.	Баралић Ј, Јанковић Р, Недић В, Радовановић М, ***Обрадивост материјала резањем воденим абразивном млазом [Material processing by abrasive waterjet cutting]***, Домаћа монографија, Универзитет у Крагујевцу, Факултет инжењерских наука, стр. 205, 2015	M42
11.	Petković D, Madić M, Radovanović M, Janković P, Radenković G, ***Modeling of cutting temperature in the biomedical stainless steel turning process***, Thermal Science, Vinča Institute of Nuclear Sciences, Suppl. 5, 20, pp. S1345 - S1354, 2016.	M22
12.	Ćojbašić Ž, Petković D, Shamshirband S, Wen Tong S, Sudheer Ch, Janković P, Dučić N, Baralić J, ***Surface roughness prediction by extreme learning machine constructed with abrasive water jet***, Precision Engineering, Elsevier, 43, pp. 86 - 92, 0141-6359, 2016	M21
13.	P. Janković, V. Pešić, S. Rančić, ***Environmental Issues of Modern Production Technologies***, Journal of Environmental Protection and Ecology, Balkan Environmental Association, No.18, Vol. 3, pp. 1088 - 1099, 2017.	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	54 (*source Scopus*)
Total number of papers on the SCI (or SSCI) list	8

Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant	*Participation in the activities of the Assembly of the Serbian Standardization Institute and the Jury of the Working and Manufacturing Competition of Metalworkers in Serbia*	

First name and surname		**MILOŠ M. JOVANOVIĆ**	
Rank		Associate professor	
Specialized scientific field		Theoretical and Applied Fluid Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2014	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Doctorate	2007	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Magister degree	1998	Faculty of Mechanical Engineering in Niš	Hydropower Engineering
Master's degree			
Engineer's degree	1991	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Miloš M. Jovanović, Jelena D. Nikodijević, Milica D. Nikodijević, ***Rayleigh-Benard convection instability in the presence of spatial temperature modulation on both plates***, INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, ELSEVIER, 73, pp. 69 - 74, ISSN 0020-7462, Published:2015, SCI, SCIe. DOI: 10.1016/j. ijnonlinmec. 2014. 11. 017, (M21, IF=1,920). The paper has two heterocitations.	M21
2.	Nikodijević D.Dragiša, Stamenković M. Živojin, Jovanović M. Miloš, Kocić M. Miloš, Nikodijević D. Jelena, ***Flow and Heat transfer of three immiscible fluids in the presence of uniform magnetic field,*** Thermal Science, vol.8, Issue 3, pp.1019-1028, DOI: 10.2298/TSCI1403019N, Published: 2014. (M22, IF=1,222). The paper has five heterocitations.	M22
3.	Aleksadar Boričić, Miloš Jovanović, ***Unsteady magnetohydrodynamic thermal and diffusion boundary layer from a horizontal circular cylinder***, Thermal Science, VINCA INST NUCLEAR SCI, 20, Suppl. 5, pp. S1367 - S1380, 0354-9836, DOI:10.2298/TSCI16S5367B, Published:2016. (M23, IF=1,093)	M23
4.	Saša M.Milanović, Miloš M. Jovanović, Boban D. Nikolić, Vladislav A. Blagojević, "***The influence of secondary flow in a two-phase gas-solid system in straight channels with a non-circular cross-section***, Thermal Science, VINCA INST NUCLEAR SCI, 20, Suppl. 5, pp. S1419 - S1434, DOI: 10.2298/TSCI16S5419M, Published:2016. (M23, IF=1,093)	M23
5.	Nikolic Boban D., Kegl Breda, Milanovic Saša M., Jovanović Miloš M., Spasic Zivan T., ***The effect of biodiesel on diesel engine emissions,*** Thermal Science, VINCA INST NUCLEAR SCI, vol.22, pp. S1483 - S1498, 0354-9836, Published:2018. DOI:10.2298/TSCI18S5483N, (M22, IF=1,541)	M22
6.	Spasić Živan, Jovanović Miloš, Bogdanović,-Jovanovic Jasmina, ***Design and performance of low-pressure reversible axial fan with doubly curved profiles of blades***, Journal of Mechanical Science and Technology, Korean Society of Mechanical Engineering, vol.32, Issue 8, pp. 3707 - 3712, Springer, 1738-494X, DOI 10.1007/s12206-018-0723-6, Published: Aug 2018. (M23, IF=1,221)	M23
7.	Milanovic Saša M., Jovanovic Miloš M., Spasic Zivan T., Nikolic Boban D., ***Two-phase flow in channels with non-circular cross-section of pneumatic transport of powder material***, Thermal Science, VINCA INST NUCLEAR SCI, vol.22, pp. S1407 - S1424, 0354-9836, DOI:10.2298/TSCI18S5407M, Published:2018. (M22, IF=1,541), The paper has one heterocitation.	M22
8.	Miloš M. Jovanović, Dragan S. Živković and Jelena D. Nikodijević "***RAYLEIGH-BENARD CONVECTION INSTABILITY IN THE PRESENCE OF TEMPERATURE VARIATION AT THE LOWER WALL***", THERMAL SCIENCE, Year 2012, Vol. 16, Supp. 2, pp. S331-S343 (M23, IF 2012.- 0.838)	M23
9.	Živan Spasić, Miloš Jovanović, Jasmina Bogdanović-Jovanović, Saša Milanović, ***Numerical investigation of the influence of the doubly curved blade profiles on the reversible axial fan characteristics***, Facta Universitatis, Series: Mechanical Engineering, DOI: 10.22190/FUME171128002S, 2018.	M24
10.	Zoran B. Boričić, Dragiša D. Nikodijević, Dragica R. Milenković, Živojin M. Stamenković, Dragan S. Živković, Miloš M. Jovanović, ***Unsteady plane mhd boundary layer flow of a fluid of variable electrical conductivity***, Thermal Science, VINCA INST NUCLEAR SCI, Year 2010, VOLUME 14, ISSUE Supplement 1, Pages [S171 - S182]	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	15 (*source Scopus*)
Total number of papers on the SCI (or SSCI) list	9

Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		**MIRJANA S. LAKOVIĆ PAUNOVIĆ**	
Rank		Associate professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2015	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2010	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	2005	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Master's degree			
Engineer's degree	2000	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Mirjana Laković, Miloš Banjac, J. Bogdanović Jovanović, M. Jović, Z. Milovanović, ***Risk Of Thermal Pollution Of The Danube Passing Through Serbia due To Thermal Power Plants***, Thermal Science: Year 2018, Vol. 22, Suppl. 5, pp. S1323.	M22
2.	Miloš J. Banjac, Mirjana S. Laković, ***Introduction Of The Energy Management System In The Industrial Sector Of The Republic Of Serbia Achieved Results And Challenges***, Thermal Science: Year 2018, Vol. 22, Suppl. 5, pp. S1	M22
3.	Jović M, Laković M, Banjac M, ***Improving the energy efficiency of a 110 MW thermal power plant by low-cost modification of the cooling system***, Journal Energy and Environment, DOI: 10.1177/0958305X17747428, 0(0) 1-15, 2018.	M23
4.	Laković, M. S., et al.: ***Industrial Cooling Tower Design And Operation In The Moderate-Continental Climate Conditions***, Thermal Science, Year 2016, Vol. 20, Suppl. 4, pp. S1203-S1214	M23
5.	Laković Mirjana, Laković Slobodan, Banjac Miloš, ***Analysis of the evaporative towers cooling system of a coal-fired power plant***, Thermal Science, Vol. 16 Suppl. 2, pp S375-S385, 2012	M22
6.	Mitrović Dejan, Janevski Jelena N., Laković Mirjana, ***Primary energy savings using heat storage for biomass heating systems***, Thermal Science, Vol. 16 Suppl. 2, pp S409-S422, 2012.	M22
7.	Jelena N. Janevski, Branislav V. Stojanović, Mirjana S. Laković, Mirko M. Stojiljković & Dejan M. Mitrović (2016) ***Wood biomass in Serbia – Resources and possibilities of use***, Energy Sources, Part B: Economics, Planning, and Policy, 11:8, 732	M23
8.	Mirjana S. Laković, Mladen S. Stojiljković, Slobodan V. Laković, Velimir Stefanović, Dejan Mitrović, ***Impact of the cold-end operating conditions on energy efficiency of the steam power plants***, Thermal Science, 2010., DOI: 10.2298/TSCI100415066L	M22
9.	Dejan Mitrović, Dragoljub Živković, Mirjana Laković: ***Energy and Exergy Analysis of A 348.5 MW Steam Power Plant***, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 32:11, 2010, pp. 1016 – 1027.	M22
10.	Mirjana S. Laković, D. Mitrović, V. Stefanović & M. Stojiljković (2012): ***Coal-fired Power Plant Power Output Variation Due to Local Weather Conditions***, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 34:23, 2164-2177	M22
11.	Laković M, Pavlović I, Banjac M, Jović M, Mančić M, ***Numerical computation and prediction of electricity consumption in tobacco industry***, Facta Universitatis, Series: Mechanical Engineering, vol. 15, no. 3, pp. 457 - 465, issn: 0354-2025, 2017	M24

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	46 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	10	
Current participation in projects	Domestic: 2	International: 0

Professional development

- *Energy policy, Tokyo, Japan, Training course, 2011;*
- *Energy management in industry, Ankara, Turkey, Training course, 2015;*
- *Energy management in industry, Belgrade, Serbia, Training course, 2017, Licence No EMI 011018; (4) Renewable energy sources – auctions, Open world leadership center, DC Washington, Salt Lake City, Utah, USA, 2019.*

Other information considered relevant	

First name and surname		**MIROSLAV M. MIJAJLOVIĆ**	
Rank		Associate professor	
Specialized scientific field		Mechanical Design	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2018	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2012	Faculty of Mechanical Engineering in Niš	Mechanical Design
Magister degree			
Master's degree			
Engineer's degree	2004	Faculty of Mechanical Engineering in Niš	Mechanical Design

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Mijajlović M.: ***Tehnologija zavarivanja 1 [Welding technology 1]***, Univerzitet u Nišu, Mašinski fakultet Niš, 2017, s.225, ISBN 978-86-6055-089-9	
2.	Milčić D., Mijajlović M.***: Pouzdanost mašinskih sistema – Zbirka rešenih zadataka [Reliability of mechanical systems – Collection of solved tasks]***, Univerzitet Nišu, Mašinski fakultet Niš, 2008, s.215, ISBN 978-86-80587-80-6	
3.	Mijajlović, M., Milčić, D., Anđelković, B., Vukićević, M., Bjelić, M., ***Mathematical Model for Analytical Estimation of Generated Heat during Friction Stir Welding.*** Part 1, Journal of Balkan Tribological Association, 17 (2011), 2, pp. 179 – 191 (M23=3.0, IF=0.790)	M23
4.	Mijajlović, M., Milčić, D., Anđelković, B., Vukićević, M., Bjelić, M., ***Mathematical Model for Analytical Estimation of Generated Heat during Friction Stir Welding***. Part 2, Journal of Balkan Tribological Association, 17 (2011), 3, pp. 361 – 370 (M23=3.0, IF=0.790)	M23
5.	Mijajlović, M., Milčić, D., Milčić, M.***, Numerical Simulation of Friction Stir Welding***, Thermal Science, 18 (2014), 3, pp. 967 – 978, DOI: 10.2298/TSCI1403967M	M22
6.	Stamenković, D., Milošević, M., Mijajlović, M., Banić, M., ***Recommendations for the Estimation of the Strength of the Railway Wheel Set Press Fit Joint***, Proceedings of the Institution of Mechanical Engineers, Part F, Journal of Rail and Rapid Transit, 226 (2012), 1, pp. 48 – 61, doi: 10.1177/0954409711406370 (M23=3.0, IF=0.790)	M23
7.	Milčić, D., Mijajlović, M., Pavlović, N., Vukić, M., Mančić, D., ***Temperature Based Validation of the Analytical Model for the Estimation of the Amount of Heat Generated During Friction Stir Welding***, Thermal Science, 16 (2012), suppl. 2, pp. 337 – 350, doi:10.2298/TSCI120209173M	M22
8.	Mijajlović, M., Pavlović, N., Jovanović, S., Jovanović, D., Milčić, M., ***Experimental Studies of Parameters Affecting the Heat Generation in Friction Stir Welding Process***, Thermal Science, 16 (2012), suppl. 3, pp. 351 – 362, doi: 10.2298/TSCI120430174M	M22
9.	Mijajlović, M., Milčić, D., Milčić, M., ***Numerical Simulation of Friction Stir Welding***, Thermal Science, 18 (2014), 3, pp. 967 – 978, DOI: 10.2298/TSCI1403967M	M22
10.	Mijajlović, M., Milčić, D., ***Analytical Model for Estimating the Amount of Heat Generated During Friction Stir Welding***: Application on Plates Made of Aluminium Alloy 2024 T351, in: Welding Processes (Radovan Kovačević), InTech, Rijeka, Croatia, 2012, pp. 247 – 274	M14

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	42 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	10	
Current participation in projects	Domestic: 1	International: 0
Professional development.		
Other information considered relevant		

First name and surname		**SAŠA M. MILANOVIĆ**	
Rank		Associate professor	
Specialized scientific field		Theoretical and Applied Fluid Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Doctorate	2014	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Magister degree	1996	Faculty of Mechanical Engineering in Niš	Hydropower Engineering
Master's degree			
Engineer's degree	1987	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Spasić Ž., Milanović S., Šušteršič V., Nikolić B., ***Low-pressure reversible axial fan with straight profile blades and relatively high efficiency***, Thermal Science (2012), Vol. 16, Suppl. 2 pp. S593-S603.	M23
2.	Jovanović M., Milenković D., Petrović G., Milić P., Milanović S., ***Theoretical and experimental analysis of dynamic processes of pipe branch for supply water to the Pelton turbine***, Thermal Science (2012), Vol. 16, Suppl. 2 pp. S612-S629.	M23
3.	Milanović S., Jovanović M., Nikolić B., Blagojević V., ***The influence of secondary flow in a two-phase gas-solid system in straight channels with a non-circular cross-section***, Thermal Science (2016), Vol. 20, Suppl. 5, pp. S1419-S1434, (DOI:10.2298/TSCI16S5419M).	M23
4.	Saša M. Milanović, Miloš M. Jovanović, Živan T. Spasić, Boban D. Nikolić, ***Two-Phase Flow In Channels With Non-Circular Cross-Section Of Pneumatic Transport Of Powder Material***, Thermal Science (2018), Vol. 22, Suppl. 5, pp. S1407-S1424. (doi.org/10.2298/TSCI18S5407M).	M22
5.	B. Nikolić, B. Kegl, S. Milanović, M. Jovanović, M. Milošević, ***Effect of biodiesel on diesel engine emissions***, Thermal Science (2018), Vol. 22, Suppl. 5, pp. S1483-S1498, (doi.org/10.2298/TSCI18S5483N).	M22
6.	Boban N., Jovanović M., Milošević M., Milanović S**.,** ***Function k-as a link between fuel flow velocity and fuel pressure, depending on the type of fuel***, Facta Universitatis Series Mechanical Engineering, 2016. Vol. 1, Nº7, (2016), pp. 809÷816, (DOI: 10.22190/FUME160628003N).	M24
7.	Živan Spasić, Miloš Jovanović, Jasmina Bogdanović-Jovanović, Saša Milanović, ***Numerical investigation of the influence of the doubly curved blade profiles on the reversible axial fan characteristics***, Facta Universitatis, DOI:10.22190/FUME171128002S, 2018 http://casopisi.junis.ni.ac.rs/index.php/FUMechEng/issue/view/543.	M24
8.	Богдановић-Јовановић Ј., Милановић С., ***Транспорт цевима - теоријске основе са примерима [Pipeline transport – theoretical basis with examples]***, Машински факултет Универзитет у Нишу, Unigraf X-Copy, ISBN 978-86-6055-116-2, (COBISS.SR-ID 276364300), Ниш 2019.	-
9.	Богдановић Б., Милановић С., Богдановић-Јовановић Ј., ***Летећи пнеуматички транспорт [Pneumatic transport of materials]***, Машински факултет Универзитет у Нишу, Графика Галеб Ниш, ISBN 978-86-80587-92-9, (COBISS.SR-ID 168081420), Ниш 2009.	-
10.	Богдановић Б.,Милановић С.,Богдановић-Јовановић Ј., ***Компресори – термодинамика процеса сабијања гасова [Compressors – gas compression process thermodynamics]***, Машински факултет Универзитет у Нишу, Графика Галеб, ISBN 978-86-80587-71-4, (COBISS.SR-ID144609804), Ниш 2007.	-

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	15 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	5	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		**MILOŠ D. MILOVANČEVIĆ**	
Rank		Associate professor	
Specialized scientific field		Mechanical Design	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2010	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2010	Faculty for Education of Managerial Staff in Economy	Management and Business Economics
Magister degree	2006	Faculty of Mechanical Engineering in Niš	Mechanical Design
Master's degree			
Engineer's degree	2003	Faculty of Mechanical Engineering in Niš	Mechanical Design

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	M. Milovancevic, J. Stefanović Marinović, J. Nikolić, A. Kitić, M. Shariatic, N. T. Trung, K. Wakil, M. Khorami: ***UML diagrams for dynamical monitoring of rail vehicles,*** Physica A: Statistical Mechanics and its Applications, Volume 527, 1 August 2019, Pages 01-07, DOI: 10.1016/j.physa.2019.121169	M22
2.	Miloš Milovančević, Vlastimir Nikolić, Dalibor Petkovic, Ljubomir Vracar, Emil Veg, Natalija Tomic, Srđan Jović: "***Vibration analyzing in horizontal pumping aggregate by soft computing***" Measurement, Elsevier, ISSN: 02632241, DOI: 10.1016/j.measurement.2018.04.100	M22
3.	M. Milovančević, E. Tijan: ***Analyzing of micro-electro-mechanical systems (MEMS) sensor for pumping aggregates***, Sensor Review, Emerald Publishing Limited, ISSN 0260-2288, DOI 10.1108/SR-07-2017-0146, 2018	M22
4.	M. Milovancevic, V. Nikolic, N. T. Pavlovic, A. Veg, S. Troha***: Vibration prediction of pellet mills power transmission by artificial neural network,*** Assembly Automation, The international journal of assembly technology and management, ISSN: 0144-5154, DOI: AA-06-2016-060.	M22
5.	M. Milovančević, E. Tijan, P. Karanikić: ***Optimization of vibro-diagnostic method for marine rotating pumps, Technical Gazette*** . Vol. 24/No. 3 Print: ISSN 1330-3651, Online: ISSN 1848-6339, Strojarski fakultet, Slavonski Brod, Croatia, DOI: 10.17559/TV-20160208113305	M22
6.	M. Milovančević, H. Deneva, L. Lazov, V. Nikolić, D. Petković***: Evaluation of soft computing methods for parameters estimation and sensitivity analysis of laser cutting process***, Lasers in Engineering Old city publishing, ISSN: 0898-1507 (print), ISSN: 1029-029X (online)	M22
7.	Milos Milovančević; Vlastimir Nikolić; Boban Anđelković: ***Analyses of the most influential factors for vibration monitoring of planetary power transmissions in pellet mills by adaptive neuro-fuzzy technique***, Mechanical Systems and Signal Processing, ELSEVIER ISSN: 0888-3270, DOI: 10.1016/j.ymssp.2016.05.028	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	175 (*source www.researchgate.net*)	
Total number of papers on the SCI (or SSCI) list	7	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		DEJAN M. MITROVIĆ	
Rank		Associate professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2015	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2010	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	2002	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Master's degree			
Engineer's degree	1994	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Dejan M. Mitrović, Branislav V. Stojanović, Jelena N. Janevski, Marko G. Ignjatović, And Goran D. Vučković, ***Exergy And Exergoeconomic Analysis Of A Steam Boiler***, Thermal Science, Year 2018, Vol. 22, Suppl. 5, Pp. S1601-S1612, DOI: 10.2298/TSCI18S5601M	M22
2.	Marko V. Mančić, Dragoljub S. Živković, Milan Lj. Djordjević, Milena S. Jovanović, Milena N. Rajić, And Dejan M. Mitrović, ***Techno-Economic Optimization Of Configuration And Capacity Of A Poly Generation System For The energy Demands Of A Public Swimming Pool Building***, Thermal Science, Year 2018, Vol. 22, Suppl. 5, pp. S1535-S1549, DOI: 10.2298/TSCI18S5535M	M22
3.	Dejan M. Mitrović, Marko G. Ignjatović, Branislav V. Stojanović, Jelena N. Janevski, Mirko M. Stojiljković, ***Comparative Exergetic Performance Analysis For Certain Thermal Power Plants In Serbia***, Thermal Science, 2016, Vol. 20, Suppl. 5, pp. S1259-S1269, DOI: 10.2298/TSCI16S5259M	M23
4.	Marko G. Ignjatović, Bratislav D. Blagojević, Mirko M. Stojiljković, Dejan M. Mitrović, Aleksandar S. Andjelković, Milica B. Ljubenović, ***Sensitivity Analysis For Daily Building Operation From The Energy And Thermal Comfort Standpoint***, Thermal Science, 2016, Vol. 20, Suppl. 5, pp. S1485-S1500, DOI: 10.2298/TSCI16S5485I	M23
5.	Jelena N. Janevski, Branislav V. Stojanović, Mirjana S. Laković, Mirko M.Stojiljković, Dejan M. Mitrović, ***Wood Biomass In Serbia – Resources And Possibilities Of Use***, Energy Sources, Part B: Economics, Planning, and Policy, 2016,VOL. 11, NO. 8, 732–738,http://dx.doi.org/10.1080/15567249.2013.791897	M23
6.	Mirko M. Stojiljković, Bratislav D. Blagojević, Goran D. Vučković, Marko G. Ignjatović, Dejan M. Mitrović, ***Optimization Of Operation Of Energy Supply Systems With Co-Generation And Absorption Refrigeration***, Thermal Science, Year 2012, Vol. 16, Suppl. 2, pp. S467-S481	M23
7.	Dejan M. Mitrović, Jelena N. Janevski, Mirjana S. Laković, ***Primary Energy Savings Using Heat Storage For Biomass Heating Systems***, THERMAL SCIENCE, Year 2012, Vol. 16, Suppl. 2, pp. S423-S431	M23
8.	M. S. Laković**,** D. Mitrović, V. Stefanović, M. Stojiljković, ***Coal-fired Power Plant Power Output Variation Due to Local Weather Conditions,*** Energy Sources, Part A: Recovery, utilization and environmental effects, 34:23, pp. 2164–2177, 2012	M22
9.	Mirjana S. Laković, Mladen S. Stojiljković, Slobodan V. Laković, Velimir Stefanović, Dejan Mitrović**,** ***Impact of the cold-end operating conditions on energy efficiency of the steam power plants,*** *Thermal Science*, 2010., DOI: 10.2298/TSCI100415066L, Vol. 14, Suppl., pp. S53-S66	M23
10.	D. Mitrović, D. Živković, S. Laković, M. Laković, ***Energy and Exergy Analysis of a 348.5 MW Steam Power Plant,*** Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 32:11, pp. 1016-1027, 2010.	M22
11.	D. Mitrović, D. Živković, ***Computation of Working Life Consumption of a Steam Turbine Rotor***, Journal of Pressure Vessel Technology, 2010, Vol. 132 / 021202-1:021202-6.	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	47 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	11	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		**DRAGAN T. MIŠIĆ**	
Rank		Associate professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2010	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree	1998	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Master's degree			
Engineer's degree	1991	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Mišić, D., Zdravković, M., Mitković, M., Vitković, N., Mitković, M. (2018) ***Real-time monitoring of bone fracture recovery by using aware, sensing, smart and active orthopedic devices***. IEEE Internet of Things Journal	M21a
2.	Zdravković, M., Trajanović M., Stojković, M., Mišić, D., Vitković, N. : ***A case of using the Semantic Interoperability Framework for custom orthopedic implants manufacturing***, Annual Reviews in control, (2012), vol. 36 br 2., str 318-326.	M22
3.	Milan Trifunovic, Milos Stojkovic, Dragan Misic, Miroslav Trajanovic and Miodrag Manic, ***Recognizing Topological Analogy in Semantic Network,*** International Journal on Artificial Intelligence Tools Vol. 24, No. 3 (2015)	M23
4.	Milan Trifunovic, Milos Stojkovic, Miroslav Trajanovic, Miodrag Manic, Dragan Misic and Nikola Vitkovic**, *Analysis of semantic features in free-form objects reconstruction Artificial Intelligence for Engineering Design***, Analysis and Manufacturing, April 2015, pp 1 – 20	M23
5.	Misic, D., Stojkovic, M., Domazet, D., Trajanovic M., Manic, M., Trifunovic, M. : ***Exception detection in business process management systems***. Journal of Scientific and Industrial Research, pp. 188-193. (2010)	M23
6.	Mišić Dragan, Domazet Dragan, Trajanović Miroslav, Manić Miodrag, Zdravković (2010***) Concept of the exception handling system for manufacturing business processes,*** Computer Science and Information Systems Volume 7, Issue 3, Pages: 489-509	M23
7.	Dragan Mišić, Miodrag Manić, Nikola Vitković, Nikola Korunović: ***Toward integrated information system for design, manufacturing and application of customized implants***, Facta universitatis Series: Mechanical Engineering, Vol 13, No 3, 2015, pp. 307-323	M24
8.	Stojković M., Trifunović M., Mišić D., Manić M.: ***Towards Analogy-Based Reasoning in Semantic Network***, COMPUTER SCIENCE AND INFORMATION SYSTEMS, (2015), vol. 12 br. 3, str. 979-1008	M23
9.	Vitković, N., Milovanović, J., Korunović, N., Trajanović, M., Stojković, M., Mišić, D., Arsić, S., ***Software System for Creation of Human Femur Customized Polygonal Models***, Computer Science and Information Systems, Vol. 10, No. 3, 1473-1497. (2013)	M23
10.	Vitkovic Nikola, Mladenovic Srdan, Trifunovic Milan, Zdravkovic Milan, Manic Miodrag, Trajanovic Miroslav, Misic Dragan, Mitic Jelena, ***Software Framework for the Creation and Application of Personalized Bone and Plate Implant Geometrical Models***, JOURNAL OF HEALTHCARE ENGINEERING, HINDAWI LTD, issn: 2040-2295, doi: 10.1155/2018/6025935, LONDON, 2018.	M23
11.	М. Ристић, М. Манић, Д. Мишић, М. Косановић, М. Митковић**, *IMPLANT MATERIAL SELECTION USING EXPERT SYSTEM***, FACTA UNIVERSITATIS Series: Mechanical Engineering, University of Niš, , vol. 15, no. 1, pp. 133 - 144, issn: 0354-2025 (Print) 2335-0164 (Online), udc: 621.7:617-089.843]:004.89, doi: 10.22190/FUME160723004R, 2017.	M24

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	85 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	11	
Current participation in projects	Domestic: 2	International: 2
Professional development		
Other information considered relevant		

First name and surname		**GORAN S. PETROVIĆ**	
Rank		Associate professor	
Specialized scientific field		Transport Engineering and Logistics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Doctorate	2013	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Magister degree	2006	Faculty of Mechanical Engineering in Niš	Transport Engineering
Master's degree			
Engineer's degree	2000	Faculty of Mechanical Engineering in Niš	Mechanical Design and Mechanization

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Development of logistic model for municipal solid waste management using heuristic methods"	Danijel Marković		24/08/2018

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Petrović G., Marinković Z., Marinković D.: ***Optimal preventive maintenance model of complex degraded systems: A real life case study***, Journal of Scientific and Industrial Research (2011) Vol.70, No. 6, pp. 412-420.	M22
2.	Petrović G., Ćojbašić Ž., Marinković D.: ***Optimal preventive maintenance of refuse collection vehicles using probabilistic and computational intelligence approach***, Scientific Research and Essays (2011) Vol.6, No.16, pp. 3485-3497.	M22
3.	Marković D., Madić M., Petrović G.: ***Assessing the performance of improved harmony search algorithm (IHSA) for the optimization of unconstrained functions using Taguchi experimental design***, Scientific Research and Essays (2012) Vol. 7, No. 12, pp. 1312-1318.	M22
4.	Marinković Z., Marinković D., Petrović G., Milić P.: ***Modeling and simulation of dynamic behavior of electric motor driven mechanisms***, Technical Gazette (2012)Vol. 19, No. 4, pp. 717-725. (M23-IF2011: 0.347)	M22
5.	Marković D., Petrović G., Ćojbašić Ž., Marinković D.: ***A comparative analysis of metaheuristic maintenance optimization of refuse collection vehicles using the Taguchi experimental design***, Transactions of Famena(2012) Vol. 36, No. 4, pp. 25-38.	M23
6.	Jovanović M., Milenković D., Petrović G., Milić P., Milanović S.: ***Theoretical and experimental analysis of dynamic processes of pipe branch for supply water to the Pelton turbine***, Thermal Science(2012) Vol. 16, supp. 2, pp. S617-S629.	M23
7.	Petrović G., Madić M., Marković D., Milić P., Stefanović G.: ***Multiple criteria decision making of alternative fuels for waste collection vehicles in southeast region of Serbia***, Thermal Science (2016) Vol. 20, supp. 5, pp. S1585-S1598.	M23
8.	Petrović G., Madić M., Antucheviciene J.: ***An approach for robust decision making rule generation: Solving transport and logistics decision making problems***, Expert Systems with Applications(2018)Vol. 106, pp. 263-276.	M21a
9.	Luković A., Petrović G., Janković Ž., Glisović S.: ***A model for reduction of transport-related CO_2 emissions by optimizing industrial waste treatment facility location***, Thermal science (2019) Vol. 23, No. 3, pp. 1957-1967.	M23
10.	Janošević D., Pavlović J., Jovanović V., Petrović G.: ***A numerical and experimental analysis of the dynamic stability of hydraulic excavators***, Facta Universitatis series Mechanical Engineering(2018)Vol. 16,No. 2, pp. 157 - 170	M24
11.	Петровић Г., Милић П., Мадић М.: ***Квантитативна логистика - вероватноћа, статистика и случајни процеси са применама [Quantitative logistics – probability, statistics and random processes with application]***, универзитетски уџбеник, Универзитет у Нишу Faculty of Mechanical Engineering in Niš, 2018.	-
12.	Петровић Г.: ***Вишекритеријумска оптимизација процеса одржавања техничких система применом вероватносних метода и вештачке интелигенције [Multi-objective optimization of technical systems maintenance process based on probability methods and artificial intelligence]***, докторска дисертација, Faculty of Mechanical Engineering in Niš, Универзитет у Нишу, 2013.	M70
13.	Петровић, Г., и други: ***Одрживи, интелигентни и еколошки транспорт и логистика у урбаном контексту - практикум модула SIETLU [Sustainable, intelligent and environmental transport and logistics in the urban context – SIETLU module workbook]***, Универзитет у Нишу Машински факултет, 2019.	-

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	30 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	9	
Current participation in projects	Domestic: 1	International: 0

Professional development - *Institute of Logistics and Material Flows at the University of Magdeburg (09/04/2005 – 24/04/2005), logistics seminar – teaching development in the field of logistics;* - *Institute of Transport Engineering and Logistic Systems at the University of Karlsruhe (01/02/2006 – 01/05/2006), study visit – teaching development in the field of logistics.*	
Other information considered relevant	

First name and surname		GORAN M. RADENKOVIĆ	
Rank		Associate professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2001	Faculty of Technology and Metallurgy in Belgrade	Metallic Structure, Physical Metallurgy, Electrochemistry
Magister degree	1988	Faculty of Mechanical Engineering in Niš	Metallic Structure, Heat Treatment
Master's degree			
Engineer's degree	1979	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Biomaterial selection - Multi-criteria decision analysis and development of decision support system"	Dušan Petković		24/02/2017
2.	"Analysis of the influence of recycled rubber powder on the properties and structure of rubber compounds"	Petar Đekić		14/12/2017

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Potic Milan B, Ignjatovic Ivan M, Savic V, Djekic Petar S, Radenkovic Goran M, ***Mechanical properties and tissue reinforcement of polypropylene grafts used for pelvic floor repair-an experimental study***, Hernia 15 (2011), 685-690.	M22
2.	Д. Петковић, Г. Раденковић, М. Митковић, ***Fractographic investigation of failure in stainless steel orthopedic plates***, FACTA UNIVERSITATIS, Series Mechanical Engineering, FACTA UNIVERSITATIS, Series Mechanical Engineering 10(1) 2012., pp. 7 – 14.	M51
3.	R. Barac, J. Gasic, N. Trutic, S. Sunaric, J. Popovic, P. Djekic, G. Radenkovic, A, Mitic, ***Erosive effect of different soft drinks on enamel surface in vitro: application of stylus profilometry***, MEDICAL PRINCIPLES AND PRACTICE, KARGER, 24, 5, pp. 451 – 457 (2015), 1011-7571,	M22
4.	D. Petković, M. Madić, G. Radenković, ***Selection of the most suitable non-conventional machining processes for ceramic processing by using MCDMs***, Science of Sintering Vol 47 (2015), 229-235.	M22
5.	Д. Петковић, М. Мадић, Г. Раденковић, ***Selection of the biomedical material by using MCDM approach***, IX International Scientific Conference Contemporary Materials, IX International Scientific Conference Contemporary Materials, pp. 737 - 748, -, Bosna and Hercegovina, 4. - 5. Sep, 2016.	M33
6..	D. Lj. Petković, M. J. Madić, M. R. Radovanović, P. Lj. Janković, G. M. Radenković**, *Modeling of Cutting Temperature in the Biomedical Stainless Steel Turning Process***, Thermal Science, vol. 20(5), 2016, S1345-S1354.	M23
7.	M. Madić, M. Radovanović, D. Petković, G. Radenković, ***TOPSIS based evaluation of laser cutting results in CO2 laser cutting of 3 mm thick aluminium alloy***, Nonconventional Technologies Review, Nonconventional Technologies Review, 21(3) 2017, pp. 6 - 11.	M51
8.	Petkovic D. Lj., Madic M. J., Radenkovic G. M., ***The effects of passivation parameters on pitting potential of biomedical stainless steel***, Chemical Industry and Chemical Engineering Quarterly, Vol. 23 Num. 1, 2017, pp. 121-129.	M23
9.	G Radenković, D. Petković, Chapter - **Metallic Biomaterials** pp. 183-224 in BIOMATERIALS IN CLINICAL PRACTICE – Advances in Clinical Research and Medical Devices (eds. F. Živić, S. Affato, M. Trajanović, M. Schnabelrauch, N. Grujović, K.L. Choy), Springer 2018.	M13
10.	M. Kostić, Lj. Nikolić, V. Nikolić, D. Petković, M. Igić, N. Krunić, M. Manić, N. Gligorijević, G. Radenković**, *Effects of water boiling, microwave, and water bath post-polymerization on mechanical properties of acrylic denture re*sin, Hemijska industrija, (2018), vol. 72 (3) pp. 129-137.	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	65 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	13	
Current participation in projects	Domestic: 2	International: 0

Professional development:	
Other information considered relevant	

First name and surname		**ŽIVAN T. SPASIĆ**	
Rank		Associate professor	
Specialized scientific field		Theoretical and Applied Fluid Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Doctorate	2012	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Magister degree	1992	Faculty of Mechanical Engineering in Niš	Hydropower Engineering
Master's degree			
Engineer's degree	1985	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Živan Spasić, Miloš Jovanović, Jasmina Bogdanović-Jovanović, ***Design and performance of low-pressure reversible axial fan with doubly curved profiles of blades***, Journal of Mechanical Science and Technology 32 (8) (2018) pp.3707-3712, DOI 10.1007/s12206-018-0723-6	M23
2.	Spasić Ž., Milanović S., Šušteršič V., Nikolić B., ***Low-pressure reversible axial fan with straight profile blades and relatively high efficiency***, Thermal Science, Year 2012, Vol. 16, Suppl.2, pp. S593-S603 (DOI: 10.2298/TSCI120503194S)	M23
3.	Živan T. Spasić, Milan M. Radić, Dragana G. Dimitrijević, ***Temperature rise in induction motor windings as the cause of variation in rotational speed of an axial fan***, Thermal Science, Year 2016, Vol. 20, Suppl. 5, pp. S1449-S1459 (DOI: 10.2298/TSCI16S5449S)	M23
4.	Bogdanović B., Spasić Ž., Bogdanović-Jovanović J., ***Low-pressure reversible axial fan designed with different specific work of elementary stages***, Thermal Science, Year 2012, Vol.16, Suppl.2, pp. S605-S616 (DOI: 10.2298/TSCI120503195B)	M23
5.	Bogdanović-Jovanović Jasmina, Milenković Dragica, Svrakota Dragan, Bogdanović Božidar, Spasić Živan, ***Pumps used as turbines-Power Recovery, Energy Efficiency, CFD Analysis,*** Thermal Science, Year 2014, Vol.18, No.3, pp. 1029-1040 (DOI: 10.2298/TSCI1403029B)	M22
6.	Jasmina Bogdanović-Jovanović, Dragica R. Milenković, Živan T. Spasić, Dragan M. Svrkota, ***Performance of low-pressure fans operating with hot air***, Thermal Science, Year 2016, Vol. 20, Suppl. 5, pp. S1435-S1447 (DOI: 10.2298/TSCI16S5435B)	M23
7.	Milanović Saša M., Jovanović Miloš M., Spasić Živan T., Nikolic Boban D., ***Two-Phase Flow in Channels with Non-Circular Cross-Section of Pneumatic Transport of Powder Material***, Thermal Science, (2018), vol. 22 br., Suppl. 5, str. S1407-S1424. https://doi.org/10.2298/TSCI18S5407M	M22
8.	Nikolic Boban D., Kegl Breda, Milanovic Sasa M., Jovanovic Milos M., Spasić Živan T., ***Effect of Biodiesel on Diesel Engine Emissions***, Thermal Science, (2018), vol. 22 br. , Suppl. 5, str. S1483-S1498. https://doi.org/10.2298/TSCI18S5483N	M22
9.	Živan Spasić, Miloš Jovanović, Jasmina Bogdanović-Jovanović, Saša Milanović, ***Numerical investigation of the influence of the doubly curved blade profiles on the reversible axial fan characteristics***, Facta Universitatis, Series: Mechanical Engineering, DOI: 10.22190/FUME171128002S, 2018.	M24
10.	Jasmina Bogdanović-Jovanović, Dragica Milenković, Živojin Stamenković, Živan Spasić, ***Determination of averaged axisymmetric flow surfaces and meridian streamlines in the centrifugal pump using numerical simulation results***, Facta Universitatis, Series: Mechanical Engineering Vol. 15, N03, 2017, pp. 479 – 493. (https://doi.org/10.22190/FUME170911026B)	M24
11.	Živan Spasić, Božidar Bogdanović, Vladislav Blagojević, Jasmina Bogdanović-Jovanović, ***Numerical Investigation of the Influence of Tip Clearance on Reversible Axial Fan Characteristics***, 16th Symposium on Thermal Science and Engineering of Serbia, Sokobanja, Serbia, October 22–25, 2013. ISBN 978-86-6055-043-1 (Book Abstract: page 42, Proceedings: CD pp 286-292).	M33

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	Total: 15 , *h*-index: 3 (*source Scopus*)

Total number of papers on the SCI (or SSCI) list	8	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		ŽIVOJIN M. STAMENKOVIĆ	
Rank		Associate professor	
Specialized scientific field		Theoretical and Applied Fluid Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Doctorate	2013	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Magister degree			
Master's degree			
Engineer's degree	1998	Faculty of Mechanical Engineering in Niš	Automatic Control

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Magentohydrodynamic flow and heat transfer in porous medium"	Jelena Petrović		31/05/2019
2.	"Research of magentohydrodynamic flow and heat transfer of micropolar fluids"	Miloš Kocić		07/06/2019

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Živojin M. Stamenković, Miloš M. Kocić, Jelena D. Petrović, Milica D. Nikodijević, ***Flow and heat transfer of three immiscible fluids in the presence of electric and inclined magnetic field***, Thermal Science, (2018), vol. 22, Suppl. 5, pp. S1575-S1589, ISSN 0354-9836.	M22
2.	Miloš M. Kocić, Živojin M. Stamenković, Jelena D. Petrović, Milica D. Nikodijević, ***Influence of electrical-conductivity of walls on MHD flow and heat transfer of micropolar fluid,*** Thermal Science, (2018), vol. 22, Suppl. 5, pp. S1591-S1600, ISSN 0354-9836.	M22
3.	Živojin M. Stamenković, Miloš M. Kocić, Jelena D. Petrović, ***The CFD modeling of two-dimensional turbulent MHD channel flow***, Thermal Science, (2017), Vol. 21, Suppl. 3, pp. 837 - 850, ISSN 0354-9836.	M22
4.	Vukić M., Tomić M., Živković P., Ilić G.: ***Effect of Segmental Baffles on the Shell-and-Tube Heat Exchanger Effectiveness***, Chemical Industry Journal (2014) Vol. 68, No. 2, pp. 171-177.	M23
5.	J. Petrović, Ž. Stamenković, M. Kocić, M. Nikodijević, ***Porous medium magnetohydrodynamic flow and heat transfer of two immiscible fluids***, Thermal Science, (2016), Vol. 20, Suppl. 5 pp. S1405 - S1417, ISSN 0354-9836.	M23
6.	Dragiša Nikodijević, Živojin Stamenković, ***Generaleristics of unsteady MHD temperature boundary layer***, International Journal of Non-Linear Mechanics, Volume 73, July 2015, Pages 75-84, ISSN 0020-7462.	M21
7.	M.Kocić, J. Petrovic, Ž. Stamenković, J. Bogdanović-Jovanović, ***Heat transfer in micropolar fluid flow under the influence of magnetic field,*** Thermal Science, (2016), Vol. 20, Suppl. 5 pp. S1391-S1404, ISSN 0354-9836	M22
8.	Nikodijević Dragiša, Stamenković Živojin, Jovanović Miloš, Kocić Miloš, Nikodijević Jelena, ***Flow and Heat Transfer of Three Immiscible Fluids in the Presence of Uniform Magnetic Field***, Thermal Science, (2014), Vol. 18, No. 3, pp. 1019-1028. ISSN 0354-9836.	M22
9.	Dragiša Nikodijević, Živojin Stamenković, Dragica Milenković, Bratislav Blagojević, Jelena Nikodijevic, ***Flow and heat transfer of two immiscible fluids in the presence of uniform inclined magnetic field,*** Mathematical problems in engineering, Volume 2011, Article ID 132302, 18 pages, ISSN: 1024-123X.	M22
10.	Nikodijević Dragiša, Milenković Dragica, Stamenković Živojin, ***MHD Couette two-fluid flow and heat transfer in presence of uniform inclined magnetic field,*** HEAT & MASS TRANSFER, Volume 47, Number 12 (2011), pp. 1525-1535, ISSN: 0947-7411.	M22
11.	Nikodijević Dragiša, Nikolić Vlastimir, Stamenković Živojin, Boričić Aleksandar, ***Parametric method for unsteady two-dimensional MHD boundary-layer on a body for which temperature varies with time***, ARCHIVES OF MECHANICS, (2011), Vol. 63 No. 1, pp. 57-76. ISSN 0373-2029.	M23
12.	Stamenković Živojin, Nikodijević Dragiša, Blagojević Bratislav, Savić Slobodan, ***MHD Flow and Heat Transfer of Two Immiscible Fluids Between Moving Plates***, Transactions of the Canadian Society for Mechanical Engineering, (2010), Vol. 34 No. 3-4, pp. 351-372, ISSN: 0315-8977.	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	81 (*source Scopus*)
Total number of papers on the SCI (or SSCI) list	15

Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		**MILOŠ S. STOJKOVIĆ**	
Rank		Associate professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2018	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2011	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree	2002	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Master's degree			
Engineer's degree	1996	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Stojković, M., Veselinovic, M., Vitkovic, N., Marinkovic, D., Trajanovic, M., Arsic, S., Mitkovic, M., (2018). ***Reverse Modelling of Human Long Bones Using T-Splines - Case of Tibia*** , Tehnički vjesnik / Technical Gazette, 25(6)	M23
2.	Vitković, N., Stojković, M., Majstorović, V., Trajanović, M., Milovanović, J., (2018). ***Novel design approach for the creation of 3D geometrical model of personalized bone scaffold***, CIRP Annals. 67 (1), 177-180	M21a
3.	Husain, K. N., Stojkovic, M., Vitković, N., Milovanović, J., Trajanović, M., Rashid, M., (2019). ***Procedure for Creating Personalized Geometrical Models of the Human Mandible and Corresponding Implants,*** Tehnički vjesnik / Technical Gazette 26(4), 1044-1051	M23
4.	Trifunovic, M., Stojkovic, M., Trajanovic, M., Manic, M., Misic, D., & Vitkovic, N. (2016). ***Analysis of semantic features in free-form objects reconstruction. Artificial Intelligence for Engineering Design***, Analysis and Manufacturing 30(1), 44-63	M23
5.	Stojkovic, M., Trifunovic, M., Misic, D., & Manic, M. (2015). ***Towards Analogy-Based Reasoning in Semantic Network***. Computer Science and Information Systems, 12(3), 979-1008	M23
6.	Trifunovic, M., Stojkovic, M., Misic, D., Trajanovic, M., & Manic, M., (2015). ***Recognizing Topological Analogy in Semantic Network***. International Journal on Artificial Intelligence Tools (IJAIT), 24 (3), 1550006-1 - 1550006-25	M23
7.	Trifunović, M., Stojković, M., Trajanović, M., Manić, M., (2015). Semantic interpretation of geometric and technological features. Chapter 11 In: Cus, F., Gecevska, V., Chiampo, F. eds**.,** ***Methods and techniques for industrial development***, University of Maribor, Faculty of Mechanical Engineering in Maribor and Politecnico di Torino, ISBN 978-961-248-493-4, 145 - 165	M14
8.	Majstorovic, V., Trajanovic, M., Vitkovic, N., Stojkovic, M., (2013). ***Reverse engineering of human bones by using method of anatomical features***, CIRP Annals - Manufacturing Technology, CIRP, 62 (1), 167–170	M21a
9.	Korunović, N., Trajanović, M., Stojković, M., Vitković, N., Trifunović, M., Milovanović, J., (2012). Detailed vs. ***Simplified Tread Tire Model for Steady-State Rolling Analysis***, Strojarstvo: časopis za teoriju i praksu u strojarstvu, 54(2), 153-160	M23
10.	Zdravković, M., Trajanović, M., Stojković, M., Mišić, D., Vitković, N. (2012). ***A case of using the Semantic Interoperability Framework for custom orthopedic implants manufacturing***, Annual Reviews in Control, 36 (2) 318–326	M22
11.	Milovanovic, J., Stojkovic, M., Trajanovic, M. (2012***). Metal Laser Sintering For Rapid Tooling In Application To Tyre Tread Pattern Mould.*** Chapter 4 In: Shatokha V, editor. Sintering - Methods and Products, InTech , ISBN 978-953-51-0371-4, 73-90	M14
12	Stojkovic M., Trifunovic, M., Vitkovic, N., Milovanovic, J., Trajanovic, M., Arsic, S., Mitkovic, M., (2018). ***User Defined Geometric Feature for Creation of Femoral Neck Enveloping Surface***, Facta Universitatis, Series: Mechanical Engineering, (DOI 10.22190/FUME 171229020S) M24	M24

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	165 citations in 111 documents, h-index = 7 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	27	
Current participation in projects	Domestic: 1	International: 0

Professional development

2004 - Quality management in IT Projects, C/C++ Developer, Java in the Steinbeis-Transferzentrum organization, Deutche Investitions

und Entwicklungsgesellschaft; 2005 – Condensed training programme in the field of management, marketing and mentoring at the Manchester Business School in Great Britain; 2010 – Training programme (NC-SMILL-H/T) for an instructor for Siemens certified centres for training programmers of numerically controlled machine tools with Siemens control units Sinumerik 810/840D and 828D, Erlanger, Germany, 2011 – Special educational programme in the field of tissue engineering: "Stem cells and modern medicine" at the Faculty of Medicine in Niš	
Other information considered relevant	

First name and surname		MILAN S. BANIĆ	
Rank		Assistant professor	
Specialized scientific field		Mechanical Design	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2015	Faculty of Mechanical Engineering in Niš	Mechanical Design
Magister degree			
Master's degree			
Engineer's degree	2006	Faculty of Mechanical Engineering in Niš	Mechanical Design

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Tomović R., Miltenović V., Banić M., Miltenović A: ***Vibration Response of Rigid Rotor in Unloaded Rolling Element Bearing***; International Journal of Mechanical Sciences (ISSN 0020-7403), 59/9 (2010), pp. 1176 - 1185.	M21a
2.	Manić M., Miltenović V., Stojković M., Banić M.: ***Feature Models in Virtual Product Development***; Strojniški Vestnik - Journal of Mechanical Engineering (ISSN 0039-2480), 56/3 (2010), pp. 169 - 178.	M23
3.	Stamenković D., Milošević M., Mijajlović M., Banić M.: ***Recommendations for the estimation of the strength of the railway wheel set press fit joint***; Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit (ISSN 0954-4097), 226/1 (2012), pp. 48 - 61.	M23
4.	Stamenković D., Milošević M., Mijajlović M., Banić M.: ***Estimation of the Static Friction Coefficient for Press Fit Joints***; Journal of The Balkan Tribological Association (ISSN 1310-4772), 2011/3 (2011), pp. 341 - 355.	M23
5.	Banić M., Stamenković D., Miltenović V., Milošević M., Miltenović A., Đekić P., Rackov M.: ***Prediction of Heat Generation in Rubber or Rubber-Metal Springs***; Thermal Science (ISSN 0354-9836), 16/Suppl. 2 (2012), pp. 593 - 606.	M22
6.	Živković D., Milčić D., Banić M., Milosavljević P.: ***Thermomechanical Finite Element Analysis of Hot Water Boiler Structure***; Thermal Science (ISSN 0354-9836), 16/Suppl. 2 (2012), pp. 443 - 456.	M22
7.	Miltenović A., Nikolić V., Milovancević M., Banić M.: ***Experimental and FEM Analysis of Sintered Steel Worm Gear Wear***; Transactions of Famena (ISSN 1333-1124), 36/4 (2012), pp. 85 - 96.	M23
8.	Rackov M., Milovancevic M., Kanovic Ž.,Vereš M., Rafa K., Banić M., Miltenović A.: ***Optimization of HCR Gearing Geometry Using Generalized Particle Swarm Optimization Algorithm***; Tehnički Vjesnik-Technical Gazette (ISSN 1330-3651), 21/4 (2014), pp. 723-732.	M23
9.	Miltenović Đ., Milan T., Miltenović A., Banić M., Živković S., Mišković Ž.: ***Pitting of Tooth Flanks of Crossed Helical Gears Made of Sintered Steel***; Transactions of Famena (ISSN 1333-1124), 38/4 (2014), pp. 77 - 88.	M23
10.	Miltenović A., Nikolić V., Banić M.: ***Wear Load Capacity of Crossed Helical Gears With Wheel Made From Sintered Steel***; Science of Sintering (ISSN 0350-820X), 47 (2015), pp. 153 – 163.	M23
11.	Hedrih A., Banić M.: ***The effect of friction and impact angle on the spermatozoa-oocyte local contact dynamics***; Journal of Theoretical Biology (ISSN 0022-5193), 393 (2016), pp. 32-42.	M21
12.	Milosević M., Banić M., Stamenković D., Pavlović V. Tomić M., Miltenović A.: ***Distribution of Generated Friction Heat at Wheel-Rail Contact During Wheel Slipping Acceleration***; Thermal Science (ISSN 0354-9836), 20/Suppl. 5 (2016), pp. S1561-S1571	M22
13.	Rajić M., Banić M., Živkovic D., Tomić M., Mančić M.: ***Construction Optimization of Hot Water Fire-Tube Boiler Using Thermomechanical Finite Element Analysis***; Thermal Science (ISSN 0354-9836), 22/Suppl. 5 (2018), pp. S1511-S1523	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	87 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	14	
Current participation in projects	Domestic: 1	International: 3
Professional development *DAAD (Karlsruhe Institute of Technology, University of Bremen); CEEPUS (11 universities), ERASMUS KA-1.*		
Other information considered relevant	*управник Центра за трансфер технологија Универзитета у Нишу.*	

First name and surname		**JASMINA B. BOGDANOVIĆ-JOVANOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Theoretical and Applied Fluid Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2015	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Doctorate	2014	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Magister degree			
Master's degree			
Engineer's degree	2000	Faculty of Mechanical Engineering in Niš	Hydropower Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	J. Bogdanović-Jovanović, B. Bogdanović, D. Milenković, ***Determination of averaged axisymmetrical flow surfaces according to results obtained by numerical simulation of flow in turbomachiner***y, Thermal Science (2012), Vol. 16, Suppl. 2, pp. 647-662.	M23
2.	B. Bogdanović, Ž. Spasić, J. Bogdanović-Jovanović, ***Low-pressure reversible axial fan designed with different specific work of elementary stages***, Thermal Science (2012), Vol. 16, Suppl. 2, pp. 675-686.	M23
3.	J. Bogdanović-Jovanović, Ž. Stamenković, M.Kocić, ***Experimental and numerical investigation of flow around a sphere with dimples for various flow regimes***, Thermal Science (2012), Vol.16, No.4, pp.1113-1126.	M23
4.	J. Bogdanović-Jovanović, B. Bogdanović, I. Božić, ***Design of small bulb turbines with unequal specific work distribution of the reunner's elementary stages***, Facta Universitatis, series: Mechanical Engineering (2014), Vol.12, No1, str.73-84.	M24
5.	J. Bogdanović-Jovanović, D. Milenković, D. Svrkota, B. Bogdanović, Ž. Spasić, ***Pumps used as turbines - Power Recovery, Energy Efficiency, CFD Analysis***, Thermal Science (2014), Vol. 18, No. 3, pp. 1029-1040.	M22
6.	J. Bogdanović-Jovanović, D. Milenković, Ž. Spasić, D. Svrkota, ***Performance of low-pressure Fans Operating with hot air***, Thermal Science (2016), Vol. 20, Suppl. 5, pp. S1435-S1447.	M23
7.	M.Kocić, J. Petrovic, Ž. Stamenović, J. Bogdanović-Jovanović, ***Heat transfer in micropolar fluid flow under the influence of magnetic field***, Thermal Science (2016), Vol. 20, Suppl. 5 pp. S1391-S1404.	M23
8.	J. Bogdanović-Jovanović, D. Milenković, Ž. Stamenković, Ž.Spasić, ***Determination of averaged axisymmetric flow surfaces and meridian streamlines in centrifugal pump using numerical simulation results***, Facta Universitatis, series: Mechanical Engineering (2017), Vol.15, No3, str.479-493.	M24
9.	Ž. Spasić, M. Jovanović, J. Bogdanović-Jovanović, ***Design and performance of low-pressure reversible axial fan with doubly curved profiles of blades***, Journal of Mechanical Science and Technology(2018), 32 (8), pp.3707-3712.	M23
10.	M.Laković, M. Banjac, J. Bogdanović-Jovanović, M.Jović, ***Risk of Thermal Pollution of the Danube Passing Through Serbia Due to Thermal Power Plants***, Thermal Science (2018), Volume 22, Sup. 5, pp.S1323-S1336.	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	24 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	9	
Current participation in projects	Domestic: 2	International: 0

Professional development

- *TEMPUS Workshop organized by the Faculty of Mechanical Engineering in Kragujevac (Restructuring of Mechanical Engineering studies, CD_JEP-18114-2003), Computational Fluid Dynamics, OpenFOAM and ParaView), Kragujevac, from May 29 to June 2, 2006.*
- *PhD course titled "The Second PhD Course - Computational Engineering", funded by DAAD within the Stability Pact for South Eastern Europe, Pamporovo, Bulgaria, June 10–15, 2006.*
- *PhD course titled "SimLab Short Course on Numerical Simulation and Parallel Computing - Belgrade 2006", from October 1 to October 7, 2006.*
- *International Workshop for Laser Flow Measurements, organized by the Faculty of Mechanical Engineering, University of Belgrade, June 2011.*

Other information considered relevant	

First name and surname		**NIKOLA M. VITKOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2017	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2016	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree			
Master's degree	2001	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Engineer's degree	2001	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Korunović, N., Fragassa, C., Marinković, D., Vitković, N., & Trajanović, M. (2019). ***Performance evaluation of cord material models applied to structural analysis of tires***. Composite Structures, 224, 111006.	M21
2.	Husain, K.N., Stojković, M., Vitković, N., Milovanović, J., Trajanović, M., Rashid, M. i Milovanović, A. (2019). ***Procedure for Creating Personalized Geometrical Models of the Human Mandible and Corresponding Implants***. Tehnički vjesnik, 26 (4), 1044-1051. https://doi.org/10.17559/TV-20181009193111	M23
3.	Vitković N, Stojković M, Majstorović V, Trajanović M, Milovanović J. (2018) ***Novel design approach for the creation of 3D geometrical model of personalized bone scaffold***, CIRP Annals, Vol.67, No.1, 2018, pp. 177180, M21a, DOI: https://doi.org/10.1016/j.cirp.2018.04.064,IF2018:3.826	M21
4.	Stojkovic Milos, Veselinovic Marko, Vitkovic Nikola, Marinkovic Dragan, Trajanovic Miroslav, Arsic Stojanka, Mitkovic Milorad, ***Reverse Modelling of Human Long Bones Using T-Splines - Case of Tibia***, Tehnicki Vjesnik-Technical Gazette, UNIV OSIJEK, TECH FAC, 25, 6, pp. 1753 - 1760, 1330-3651, 10.17559/TV-20180129210021, SLAVONSKI BROD, Dec2018.	M23
5.	Mišić D, Zdravković M, Mitković M, Vitković N, Mitković M. (2018***), Real-Time Monitoring of Bone Fracture Recovery by Using Aware***, Sensing, Smart, and Active Orthopedic Devices" in IEEE Internet of Things Journal, Vol. 5, No. 6, pp. 4466-4473, M21, DOI: 10.1109/JIOT.2018.2819623, IF2018:9.515	M21
6.	Vitkovic Nikola, Mladenovic Srdan, Trifunovic Milan, Zdravkovic Milan, Manic Miodrag, Trajanovic Miroslav, Misic Dragan, Mitic Jelena, ***Software Framework for the Creation and Application of Personalized Bone and Plate Implant Geometrical Models***, Journal of Healthcare Engineering, HINDAWI LTD, 2040-2295, 10.1155/2018/6025935, LONDON, 2018.	M23
7.	Trifunovic, M., Stojkovic, M., Trajanovic, M., Manic, M., Misic, D. and Vitkovic, N., 2015, ***Analysis of semantic features in free-form objects reconstruction***, Artificial Intelligence for Engineering Design, Analysis and Manufacturing (AI EDAM), Vol. 30, No. 1, pp. 44-63, DOI: http://dx.doi.org/10.1017/S0890060415000153	M23
8.	Vitković, N., Mitić, J., Manić, M., Trajanović, M., Husain, K., Petrović, S., Arsić, S., 2015, ***The Parametric Model of the Human Mandible Coronoid Process Created by Method of Anatomical Features***, Computational and Mathematical Methods in Medicine, ID 574132, p.10, doi:10.1155/2015/574132	M23
9.	Majstorovic, V., Trajanovic, M., Vitkovic, N., Stojkovic, M., 2013 ***Reverse engineering of human bones by using method of anatomical features***, CIRP Annals - Manufacturing Technology, Vol. 62, No. 1, pp. 167–170	M21
10.	Vitković N, Milovanović J, Korunović N, Trajanović M, Stojković M, Mišić D, Arsić S, (2013***), Software System for Creation of Human Femur Customized Polygonal Models***, Computer Science and Information Systems, Vol. 10, No. 3, pp.1473-1497, M23, DOI: 10.2298/CSIS121004058V , IF2013:0.575	M23
11.	Zdravković. M., Trajanović, M., Stojković, M., Vitković, N., Mišić, D. (2012) ***A case of using the Semantic Interoperability Framework for custom orthopedic implants manufacturing***. Annual Reviews in Control. 36 (2) 318-326	M21

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	266 (Google Scholar)
Total number of papers on the SCI (or SSCI) list	16

Current participation in projects	Domestic: 2	International: 3
Professional development		
Other information considered relevant		

First name and surname		GORAN D. VUČKOVIĆ	
Rank		Assistant professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2013	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree	2004	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Master's degree			
Engineer's degree	1996	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Mitrović D., Stojanović B., Janevski J., Ignjatović M., Vučković G., ***Exergy and exergoeconomic analysis of a steam boiler***, Thermal Science, Vol. 22, Suppl. 5, pp. S1601-S1612, 2018.	M22
2.	Stamenković M., Miletić M., Kosanović S., Vučković G., Glišović S., ***Impact of a building shape on space cooling energy performance in the green roof concept implementation***, Thermal Science, Vol. 22, No. 1B, pp. 687-698, 2018.	M22
3.	Vučković G., Stojiljković M., Vasiljević G., ***Exergoeconomics evaluation of real processes for coffee roasting***, Thermal Science, Vol. 20, Suppl. 5, pp. S1271-S1283, 2016.	M23
4.	Vučković G., Stojiljković M., Vukić M., ***First and second level of exergy destruction splitting in advanced exergy analysis for an existing boiler***, Energy Conversion and Management, Vol. 104, pp. 8–16, 2015.	M21a
5.	Stojiljković M., Ignjatović M., Vučković G., ***Greenhouse gases emission assessment in residential sector through buildings simulations and operation optimization***, Energy, Vol. 92, pp. 420-434, 2015.	M21a
6.	Vukić M., Janevski J., Vučković G., Stojanović B., Petrović A., ***Experimental investigation of the drying kinetics of corn in a packed and fluidized bed***, Iranian Journal of Chem. and Chem. Engin., Vol. 34, No. 3., pp. 43-49, 2015.	M23
7.	Vučković G., Stojiljković M., Vukić M., Stefanović G., Dedeić E., ***Advanced exergy analysis and exergoeconomic performance evaluation of thermal processes in an existing industrial plant***, Energy Conversion and Management, Vol. 85, pp. 655–662, 2014.	M21a
8.	Milutinović B., Stefanović G., Dassisti M., Marković D., Vučković G., ***Multi-criteria analysis as a tool for sustainability assessment of a waste management model***, Energy, Vol. 74, pp. 190-201, 2014.	M21a
9.	Vučković G., Vukić M., Stojiljković M., Vučković D., ***Avoidable and unavoidable exergy destruction and exergoeconomic evaluation of the thermal processes in a real industrial plant***, Thermal Science, Vol. 16, Suppl. 2, pp. S433-S446, 2012.	M23
10.	Stojiljković M., Blagojević B., Vučković G., Ignjatović M., Mitrović D., ***Optimization of operation of energy supply system with co-generation and absorption refrigeration***, Thermal Science, Vol. 16, Suppl. 2, pp. S409-S422, 2012.	M23
11.	Stojiljković M., Stojiljković M. M., Blagojević B., Vučković G., Ignjatović M., ***Effects of implementation of co-generation in the district heating system of the Faculty of mechanical engineering in Niš***, Thermal Science, Vol. 14, Supplement, pp. S41-S51, 2010.	M23
12.	Stefanović G., Vučković G., Stojiljković M., Trifunović M., ***CO_2 reduction options in cement industry - The Novi Popovac case,*** Thermal Science, Vol. 14, No. 3, pp. 671-679, 2010.	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	144 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	13	
Current participation in projects	Domestic: 1	International: 1

Professional development

- *DAAD grant beneficiary from 2001 to 2006 within the international project (Nuremberg-Erlangen, Sofia, Niš): Development and Application of Numerical Methods for Calculation and Optimization of Pollutant Reduced Industrial Furnaces and Efficient Heat Exchangers.*
- *Dutch Ministry Foreign Affairs: Serbia and Montenegro Military Resettlement Programme, England, Manchester, 2005 (Manchester Business School);*

- *Energy Management for Central and Eastern European Countries, Japan, Kitakyushu, 2006 (Japan International Cooperation Agency - JICA).*	
Other information considered relevant	

First name and surname		MILAN M. ZDRAVKOVIĆ	
Rank		Assistant professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2012	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree	2008	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Master's degree			
Engineer's degree	1997	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Zdravković, M., Jardim-Goncalves, R. (2018) ***Model-driven data-intensive Enterprise Information Systems***. Enterprise Information Systems. 12;8-9. 910-914	M22
2.	Mišić, D., Zdravković, M., Mitković, M., Vitković, N., Mitković, M. (2018) ***Real-time monitoring of bone fracture recovery by using aware, sensing, smart and active orthopedic devices***. IEEE Internet of Things Journal. 5(6):4466-4473	M21
3.	Zdravković, M., Zdravković, J., Aubry, A., Moalla, N., Guedria, W., Sarraipa, J. (2017) ***Domain framework for implementation of open IoT ecosystems***. International Journal of Production Research. 56:7 2552-2569	M21
4.	Zdravković, M., Panetto, H. (2017) ***The challenges of model-based systems engineering for the next generation enterprise information systems***. Information Systems and e-Business Management 15(2):225-227	M22
5.	Panetto, H., Zdravković, M., Jardim-Goncalves, R., Romero, D., Cecil, J., Mezgar, I. (2016) ***New Perspectives for the Future Interoperable and Sustainable Enterprise Systems***. Computers in Industry. 79(2016): 47-63	M22
6.	Zdravković, M., Luis-Ferreira, F., Jardim-Goncalves, R., Trajanović, M. (2015) ***On the formal definition of the systems' interoperability capability: an anthropomorphic approach.*** Enterprise Information Systems.17(3): 389-413	M21
7.	Zdravković, M., Noran, O., Panetto, H., Trajanović, M. (2015) ***Enabling Interoperability as a Property of Ubiquitous Systems for Disaster Management***. Computer Science and Information Systems. 12(3) 1009-1031	M23
8.	Zdravković, M., Trajanović, M., Pavlović, D. (2015) ***Ontology framework for Knowledge Management in Orthopedic Surgery***. Facta Universitatis Series in Mechanical Engineering. 13(3) 325-336	M24
9.	Zdravković, M., Trajanović, M., Panetto, H., Aubry, A. (2014) ***Explication and Semantic Querying of Enterprise Information Systems. Knowledge and Information Systems***. 40(3) 697-724	M21
10.	Zdravković, M., Trajanović, M., Stojković, M., Vitković, N., Mišić, D. (2012) ***A case of using the Semantic Interoperability Framework for custom orthopedic implants manufacturing***. Annual Reviews in Control. 36 (2) 318-326	M22
11.	Lezoche, M., Yahia, E., Aubrey, A., Panetto, H., Zdravković, M. (2012) ***Conceptualising and structuring semantics in Cooperative Enterprise Information Systems Models***. Computers in Industry. 63(8) 775-787	M22
12.	Zdravković, M., Panetto, H., Trajanović, M., Aubry, A. (2011) ***An approach for formalising the supply chain operations. Enterprise Information Systems***. 5 (4) 401-421	M21
13.	Mišić, D., Domazet, D., Trajanović, M, Manić, M., Zdravković, M. (2010) **Concept of the exception handling system for manufacturing business processes**. Computer Science and Information Systems. 7(3) 489-509	M23
14.	Zdravković, M., Trajanović, M. (2009*) **Integrated Product Ontologies for Inter-Organizational Networks***. Computer Science and Information Systems. 6(2) 29-46	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	428 (*source Google Scholar*), 259 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	14	
Current participation in projects	Domestic: 1	International: 1
Professional development		
Other information considered relevant		

First name and surname		MARKO G. IGNJATOVIĆ	
Rank		Assistant professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2018	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2018	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree			
Master's degree			
Engineer's degree	2004	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Stojiljković Mladen M., Stojiljković Mirko M., Ignjatović Marko G., Vučković Goran D., ***Cost-optimal energy retrofit for serbian residential buildings connected to district heating systems,*** Thermal Science (ISSN 0354-9836), OnLine-First Issue 00, Pages: 253-253	M22
2.	Bogdanović Veliborka B., Ranđelović Dušan J., Vasov Miomir S., Ignjatović Marko G., Stevanović Jelena N., ***Improving thermal stability and reduction of energy consumption by implementing Trombe wall construction in the process of building design - the Serbia region***, Thermal Science (ISSN 0354-9836), 22 (2018), pp. 2355-2365	M22
3.	Dejan M. MITROVIĆ , Branislav V. STOJANOVIĆ, Jelena N. JANEVSKI, Marko G. IGNJATOVIĆ, Goran D. VUČKOVIĆ, ***Exergy and exergoeconomic analysis of a steam boiler***, Thermal Science (ISSN 0354-9836), 22 (2018), Suppl. 5, pp. S1601-S1612	M22
4.	Vasov Miomir S., Stevanović Jelena N., Bogdanović Veliborka B., Ignjatović Marko G., Ranđelović Dušan J., ***Impact of orientation and building envelope characteristics on energy consumption case study of office building in city of Nis,*** Thermal Science (ISSN 0354-9836), 22 (2018), Suppl. 5, pp. S1499-S1509	M22
5.	Ignjatović, M., Blagojević, B., Stojiljković, M., Mitrović, D., Anđelković, A., Ljubenović, M., ***Sensitivity analysis for daily building operation from the energy and thermal comfort standpoint,*** Thermal Science (ISSN 0354-9836), 20 (2016), Suppl. 5, pp. S1485-S1500	M22
6.	Mitrović, D., Ignjatović, M., Stojanović, B., Janevski, J., Stojiljković. M., ***Comparative exergetic perfromance analysis for certain thermal power plants in Serbia,*** Thermal Science (ISSN 0354-9836), 20 (2016), Suppl. 5, pp. S1259-S1269	M22
7.	Stojiljković, M., Ignjatović, M., Vučković, G., ***Greenhouse gases emission assessment in residential sector through buildings simulations and operation optimization,*** Energy (ISSN:0360-5442), 92 (2015), pp. 420-434	M21a
8.	Anđelković, A., Gvozdenac-Urošević, B., Kljajić, M., Ignjatović, M., ***Experimental Research Of The Thermal Characteristics Of A Multi-Storey Naturally Ventilated Double Skin Façade,*** Energy and Buildings (ISSN: 0378-7788), 86 (2015), pp. 766-781	M21a
9.	Stojanović, B., Janevski, J., Mitković, P., Stojanović, M., Ignjatović, M., ***Thermally activated building systems in context of increasing building energy efficiency,*** Thermal Science (ISSN 0354-9836), 18 (2014), 3, pp. 1011-1018	M22
10.	Ignjatović, M., Blagojević, B., Stojanović, B., Stojiljković, M., ***Influence of glazing types and ventilation principles in double skin facades on delivered heating and cooling energy during heating season in an office building,*** Thermal Science (ISSN 0354-9836), 16 (2012), Suppl. 2, pp. S461-S469	M22
11.	Stojiljković, M., Blagojević., B., Vučković, G., Ignjatović, M., Mitrović, D., ***Optimization of operation of energy supply systems with co-generation and absorption refrigeration,*** Thermal Science (ISSN 0354-9836), 16 (2012), Suppl. 2, pp. S409-S422	M22
12.	Stojiljković, M., Stojiljković, M., Blagojević, B., Vučković, G., Ignjatović, M., ***Effects of implementation of co-generation in the district heating system of the Faculty of Mechanical Engineering in Niš,*** Thermal Science (ISSN 0354-9836), 14 (2010) Suppl., pp. S41-S51	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	55 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	12	
Current participation in projects	Domestic: 1	International: 0
Professional development		

Other information considered relevant	*Member of ASHRAE, IBPSA, SMEITS*

First name and surname		**VESNA D. JOVANOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Transport Engineering and Logistics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Doctorate	2018	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Magister degree			
Master's degree			
Engineer's degree	2008	Faculty of Mechanical Engineering in Niš	Transport and Logistics

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Jovanović V., Janošević D., Petrović N.: ***Analysis of axial bearing load of a rotating platform drive in hydraulic excavators,*** Tehnički vjesnik/Technical Gazette, Univerzitet u Osijeku, Fakultet u Slavonskom Brodu (2014) Vol.21, No.2, pp. 263-270.	M23
2.	Jovanović V., Janošević D., Marinković D.: ***Selection procedure for an axial bearing of a slewing platform drive in hydraulic excavators***, Acta Polytechnica Hungarica, Journal of Applied Sciences Hungary (2015) Vol. 12, No. 1, pp. 5-22.	M23
3.	Janošević D., Jovanović V., Petrović N.: ***Spectrums of axial bearing load of a rotating platform drive in hydraulic excavators***, International journal of science and technology, Scientia Iranica, Sharif University of Technology, Tehran, I.R. Iran (2015) Vol. 22, No. 3. pp. 825-834.	M23
4.	J. Pavlović, D. Janošević, V. Jovanović***: Optimization of a loader mechanism on the basis of the directed digging force***, Iranian Journal of Science and Technology, Transactions of Mechanical Engineering, DOI: 10.1007/s40997-018-0236-z, on line first , https://link.springer.com/article/10.1007/s40997-018-0236-z.	M23
5.	J. Pavlović, D. Janošević, V. Jovanović***: Optimization of manipulator drive mechanisms in hydraulic excavators on the basis of the tribological criterion***, Scientia Iranica, (accepted for publication), 2019. doi: 10.24200/sci.2019.50617.1790.	M23
6.	Jovanović V., Janošević D., Pavlović J.: ***Analysis of the influence of the digging position on the loading of the axial bearing of slewing platform drive mechanisms in hydraulic excavators***, Facta Universitatis Series: Mechanical Engineering (2019), DOI Number 10.22190/FUME 190225020J, http://casopisi.junis.ni.ac.rs/index.php/FUMechEng/issue/view/543	M24
7.	Jovanović V., Janošević D., Petrović N***.: Experimental determination of bearing loads in rotating platform drive mechanisms of hydraulic excavators,*** FACTA UNIVERSITATIS Series: Mechanical Engineering (2014) Vol. 12, No. 2, pp. 157 - 169.	M24
8.	Јаношевић Д., Јовановић В.: ***Синтеза погонских механизама хидрауличких багера [Synthesis of drive mechanisms in hydraulic excavators]***, монографија (2015), Машински факултет Универзитета у Нишу, ISBN 978-86-6055-067-7, CIP 621.879-82	M42
9.	Jovanović V., Janošević D., Pavlović J.: ***Analysis of the Influence of Slewing Platform Drive Mechanism of Hydraulic Excavators on the Load of the Axial Bearing Mechanism***, IMK-14 – Research & Development in Heavy Machinery (2018) Vol. 24, No. 4, pp. 109-112, UDC 621 ISSN 0354-6829.	M53
10.	Janošević, D., Nikolić, V., Pavlović, J., Milić, P., Marković, S., Petrović, N.: ***Softverski paket za analizu stabilnosti i nosivosti hidrauličkih bagera [Software package for analysis of stability and loading capacity of hydraulic excavators]***, Mašinski fakultet u Nišu (2015).	M85
11.	Janošević, D., Marković, S., Pavlović, J., Nikolić, V., Milić, P., Petrović, N.: ***Softverski paket za optimalnu sintezu pogonskih mehanizama manipulatora utovarivača [Software package for optimal synthesis of drive mechanisms of a loader manipulator]***, Mašinski fakultet u Nišu (2014).	M85
12.	Janošević, D., Nikolić, V., Milić, P., Petrović, N., Pavlović, J.: ***Softverski paket za optimalnu sintezu pogonskih mehanizama manipulatora hidrauličkih bagera [Software package for optimal synthesis of drive mechanisms of a hydraulic excavator manipulator]***, Mašinski fakultet u Nišu (2013).	M85

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	7 (*source Scopus*)
Total number of papers on the SCI (or SSCI) list	5

Current participation in projects	Domestic: 1	International: 1
Professional development		
Other information considered relevant		

First name and surname		NIKOLA D. KORUNOVIĆ	
Rank		Assistant professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2015	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2011	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree	2003	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Master's degree			
Engineer's degree	1995	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Korunovic, N., Marinkovic, D., Trajanovic, M., Zehn, M., Mitkovic, M., & Affatato, S. (2019). ***In Silico Optimization of Femoral Fixator Position and Configuration by Parametric CAD Model***. Materials, 12(14), 2326.	M22
2.	Korunović, N., Fragassa, C., Marinković, D., Vitković, N., & Trajanović, M. (2019***). Performance evaluation of cord material models applied to structural analysis of tires***. Composite Structures, 224, 111006.	M21
3.	Petrović S., Korunović N. (2018) ***Imaging in Clinical and Preclinical Practice***. In: Zivic F., Affatato S., Trajanovic M., Schnabelrauch M., Grujovic N., Choy K. (eds) Biomaterials in Clinical Practice. Springer, Cham	M14
4.	Korunović, N., Stojković, M., Milovanović, J., Vitković, N., Trifunović, M., Manić, M., & Trajanović, M. (2016). ***Bioengineering and tire design related research at LIPS laboratory***: A summary of results. Journal of Serbian Society for Computational Mechanics, 10(1), 71-101.	M52
5.	Korunović, N., Madić, M., Trajanović, M., Radovanović, M. (2015***). A procedure for multi-objective optimization of tire design parameters***. International Journal of Industrial Engineering Computations, 6(2), 199-210.	M24
6.	Vitković, N., Milovanović, J., Korunović, N., Trajanović, M., Stojković, M., Mišić, D., Arsić, S. (2013***). Software system for creation of human femur customized polygonal models***. Computer Science and Information Systems, 10(3), 1473-1497.	M23
7.	Korunović, N., Trajanović, M., Stojković, M., Vitković, N., Trifunović, M., Milovanović, J. (2012). ***Detailed vs. Simplified Tread Tire Model for Steady-State Rolling Analysis***, Strojarstvo: časopis za teoriju i praksu u strojarstvu, 54(2), 153-160.	M23
8.	Vitković, N., Milovanović, J., Trajanović, M., Stojković, M., Korunović, N., Manić, M. (2012). ***Different Approaches for the Creation of Femur Anatomical Axis and Femur Shaft Geometrical Models***, Strojarstvo: časopis za teoriju i praksu u strojarstvu, 54(3), 247-255.	M23
9.	Korunović, N., Trajanović, M., Stojković, M., Mišić, D., Milovanović, J. (2011). ***Finite Element Analysis of a Tire Steady Rolling on the Drum and Comparison with Experiment***. Strojniški vestnik - Journal of Mechanical Engineering, 57(12), 888-897.	M23
10.	Korunović, N., Trajanović, M., Stojković, M. (2008). ***Finite Element Model for Steady-State Rolling Tire Analysis***. Journal of Serbian Society for Computational Mechanics, 2 (1), 63-79.	M52

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	230 (*source Google Scholar*)	
Total number of papers on the SCI (or SSCI) list	6	
Current participation in projects	Domestic: 2	International: 2

Professional development

Two-week winter school "Mathematical Basics of Computer Science", Technical University of Vienna, 2001.

Other information considered relevant	

First name and surname		**MILOŠ M. KOCIĆ**	
Rank		Assistant professor	
Specialized scientific field		Theoretical and Applied Fluid Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Doctorate	2019	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Magister degree			
Master's degree			
Engineer's degree	2009	Faculty of Mechanical Engineering in Niš	Energy and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Miloš Kocić, Jelena Petrovic, Živojin Stamenović, Jasmina Bogdanović-Jovanović, "***Heat transfer in micropolar fluid flow under the influence of magnetic field"***, Thermal Science, Year 2016, Vol. 20, Suppl. 5, pp. S1391-S1404, ISSN 0354-9836, (DOI: 10.2298/TSCI16S5391K)	M22
2.	Miloš Kocić**,** Živojin Stamenković, Jelena Petrović, Milica Nikodijević, ***"Influence of electrical-conductivity of walls on MHD flow and heat transfer of micropolar fluid"***, Thermal Science, Year 2018, Vol. 22, Suppl. 5, pp. S1591-S1600, (DOI: 10.2298/TISCI18S5591K)	M22
3.	Živojin Stamenković, Miloš Kocić**,** Jelena Petrović, Milica Nikodijević, ***"Flow and heat transfer of three immiscible fluids in the presence of electric and inclined magnetic field"***, Thermal Science, Year 2018, Vol. 22., Suppl. 5, pp. S1575-S1589, (DOI: 10.2298/TISCI18S5591K)	M22
4.	Živojin Stamenković, Miloš Kocić**,** Jelena Petrović, ***"The CFD Modeling of Two-Dimensional Turbulent Mhd Channel Flow"***, Thermal Science, Year 2017, Vol. 21 , Suppl. 3, pp. S837-S850, (DOI: 10.2298/TSCI160822093S)	M22
5.	Jelena Petrović, Živojin Stamenković, Miloš Kocić, Milica Nikodijević, "***Porous medium magnetohydrodynamicflow and heat transfer of two immiscible fluids"***, Thermal Science, Year 2016, Vol. 20, Suppl. 5 pp. S1405 - S1417, (DOI: 10.2298/TSCI16S5405P)	M23
6.	Dragiša Nikodijević, Živojin Stamenković, Miloš Jovanović, Miloš Kocić and Jelena Nikodijević, ***"Flow and heat transfer of three immiscible fluids in the presence of uniform magnetic field"***, Thermal Science, Year 2014., Vol. 18, No. 3, pp. 1019-1028 (DOI: 10.2298/TSCI1403019N).	M22
7.	Živojin Stamenković, Dragiša Nikodijević, Miloš Kocić, Jelena Nikodijević, ***"MHD flow and heat transfer of two immiscible fluids with induced magnetic field effects"***, Thermal Science, Year 2012., Vol. 16, Suppl. 2, pp. S373-S387 (DOI: 10.2298/TSCI).	M23
8.	Dragiša Nikodijević, Živojin Stamenković, Dragan Živković, Aleksandar Boričić, Miloš Kocić, ***"Active control of flow and heat transfer in boundary layer on the porous body of arbitrary shape"***, Thermal Science, Year 2012., Vol. 16, Suppl. 2, pp. S345-S360 (DOI: 10.2298/TSCI).	M22
9.	Bogdanović-Jovanović Jasmina, Stamenković Živojin, Kocić Miloš, "***Experimental and Numerical Investigation of Flow Around a Sphere with Dimples for Various Flow Regimes"***, THERMAL SCIENCE, 2012, Vol. 16, No. 4, pp. 1013-1026.	M22
10.	Miloš Kocić, Živojin Stamenković, Jelena Petrović, Milica Nikodijević **"*MHD unsteady two-dimensional laminar boundary layer on porous body"***, FACTA UNIVERSITATIS Series: MECHANICAL ENGEENERING	M24

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	Total: 20 , h-index: 2 (source Scopus)	
Total number of papers on the SCI (or SSCI) list	9	
Current participation in projects	Domestic: 2	International: 0

Professional development

International Workshop for Laser Flow Measurements, organized by the Faculty of Mechanical Engineering, University of Belgrade, June 2011.

Other information considered relevant	

First name and surname		**DANIJEL S. MARKOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Transport Engineering and Logistics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Doctorate	2018	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Magister degree			
Master's degree			
Engineer's degree	2008	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Marković D., Petrović G., Ćojbašić Ž., Marinković D.: ***A Metaheuristic Approach to the Waste Collection Vehicle Routing Problem with Stochastic Demands and Travel Time***s, Acta Polytechnica Hungarica (2019) Vol. 16, No. 7, pp. 45 - 60.	M23
2.	Marković D**.,** Petrović G., Ćojbašić Ž., Stanković A**. *The vehicle routing problem with stochastic demands in an urban area –a case study. Facta Universitatis***, Series: Mechanical Engineering, 2019, DOI:10.22190/FUME190318021M.	M24
3.	Petrović G., Madić M., Marković D., Milić P., Stefanović G**.*: Multiple criteria decision making of alternative fuels for waste collection vehicles in southeast region of Serbia***, Thermal Science, Vol. 20 No. 5, 2016, pp. S1585-S1598.	M23
4.	Milutinović B., Stefanović G., Dassisti M., Marković D., Vučković G: ***Multi-criteria analysis as a tool for sustainability assessment of a waste management model***, Energy, Vol. 74, 2014, pp. 190-201.	M21a
5.	Tomić V., Marinković D., Marković D***.: The Selection of Logistic Centers Location Using Multi-Criteria Comparison***: Case Study of the Balkan Peninsula, Acta Polytechica Hungarica, Vol. 11, No. 10, 2014, pp. 97-113.	M23
6.	Marković D., Petrović G., Ćojbašić Ž., Marinković D.: ***A comparative analysis of metaheuristic maintenance optimization of refuse collection vehicles using the taguchi experimental design***, Transactions of Famena, Vol. 36, No. 4, 2013, pp. 25-38.	M23
7.	Marković D., Madić M., Petrović G: ***Assessing the performance of improved harmony search algorithm (IHSA) for the optimization of unconstrained functions using Taguchi experimental design***, Scientific Research and Essays, Vol. 7, No. 12, 2012, pp. 1312-1318.	M23
8.	Marković D**.,** Janošević D , Jovanović M., Nikolić V.: ***Application method for optimization in solid waste management system in the city of Niš***, Facta Universitatis series Mechanical Engineering , Vol. 8, No. 1, 2010, pp. 63- 76.	M51
9.	Madić M., Marković D., Radovanović M: ***Comparison of meta-heuristic algorithms for solving machining optimization problems***, Facta Universitatis series Mechanical Engineering, Vol. 11 No. 1, 2013, pp. 29-44.	M51
10.	Madić M., Marković D., Radovanović M: ***Performance comparison of meta–heuristic algorithms for training artificial neural networks in modelling laser cutting***. International Journal of Advanced Intelligence Paradigms, Vol. 4, No. 3, 2012, pp. 299-312.	M24
11.	Marković D., Stanković A., Petrović G., Trajanović M., Ćojbašić Ž**.*: Genetic and Ant Colony Optimization Based Communal Waste Collection Vehicle Routing***. (Eds.) ICIST 2019 Proceedings Vol.1, pp.209-212	M33
12.	Marković D**.,** Petrović G., Milošević M., Milić M., Madić M.: ***Metaheuristics for solving Vehicle Routing Problems with Stochastic Demands for waste collection***, 17th Symposium on Thermal Science and Engineering of Serbia, Proceedings, ISBN 978-86-6055-076-9, Sokobanja, 20.-23. October, 2015, pp. 1123-1128.	M33

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	70 (*source Scopus*), 223 (*source Google Scholar*)	
Total number of papers on the SCI (or SSCI) list	7	
Current participation in projects	Domestic: 1	International: 1
Professional development		
Other information considered relevant		

First name and surname		PREDRAG Đ. MILIĆ	
Rank		Assistant professor	
Specialized scientific field		Transport Engineering and Logistics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2018	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Doctorate	2018	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Magister degree			
Master's degree			
Engineer's degree	2001	Faculty of Mechanical Engineering in Niš	Mechanical Design and Mechanization

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Petrović G., Madić M., Marković D., Milić P., Stefanović G.: ***Multiple criteria decision making of alternative fuels for waste collection vehicles in southeast region of Serbia***, Thermal Science, Society of Thermal Engineers of Serbia, 20, 5, pp. S1585 - S1598, 0354-9836, 10.2298/TSCI16S5585P, 2016.	M23
2.	Milić P., Marinković D.: ***Isogeometric FE analysis of complex thin-walled structures***, Transactions of Famena, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, 39, 1, pp. 15 - 26, 1333-1124, 2015.	M23
3.	Marinković D, Manfred W. Z., Milić P.: ***On the design of thermally loaded fiber optics feedthroughs***, Thermal Science, Society of Thermal Engineers of Serbia, 20, 5, pp. S1313 - S1320, 0354-9836, 621, 10.2298/TSCI16S5313M, 2016.	M23
4.	Jovanović M., Petrović G., Milić P., Milenković D., Milanović S.: ***Theoretical and experimental analysis of dynamic processes of pipe branch for supply water to the Pelton turbine***, Thermal science, Vinča Institute of Nuclear Sciences, Belgrade, ISSN: 0354-9836, v16 suppl 2. 687-700. 2012.	M23
5.	Marinković Z., Marinković D., Petrović G., Milić P.: ***Modelling and simulation of dynamic behaviour of electric motor driven mechanisms***, Technical Gazette, Faculty of Mechanical Engineering in Slavonski Brod, Faculty of Electrical Engineering in Osijek, Faculty of Civil Engineering in Osijek, ISSN 1330-3651, br. 4, v. 19. pp. 717-725, 2012.	M23
6.	Milić P., Marinković D., ***Isogeometric structural analysis based on NURBS shape functions***, Facta Universitatis, series Mechanical Engineering, University of Niš, vol. 11, no. 2, pp. 193 - 202, issn: 0354-2025, udc: , doi: , , 2013.	M51
7.	Marinković D., Marinković Z., Milić P., ***Combined linear - geometrically nonlinear fem modeling for highly efficient dynamical simulations***, Facta Universitatis, Series: Automatic Control and Robotics, University of Niš, vol. 12, no. 1, pp. 9 - 18, issn: 1820-6417, udc: (681.511.4:531.39), (621.874.2), doi: , , 2013.	M51
8.	Jovanović M., Milić P., ***The advanced system for dynamic vehicle routing in the process of waste collection***, Facta Universitatis series mechanical engineering, Facta Universitatis series mechanical engineering, 9, 1, pp. 127 - 136,2011.	M51
9.	Jovanović M., Radoičić G., Milić P., Maneski T., ***With frequency simulation to design the monitoring of frame structures***, IOP Conf. Series: Materials Science and Engineering 393 (2018) 012039, Fakultet Tehničkih nauka Novi Sad,, vol. 393 (2018) 012039, pp. 1 - 8, issn: 1757-899X, Novi Sad, 6. - 8. Jun, 2018	M33
10.	Предраг Милић, Драган Маринковић, Горан Петровић, Драгослав Јаношевић, ***Софтвер за изогеометријску структурну анализу [Isogeometric structural analysis software]***, Софтвер за изогеометријску структурну анализу, 2015.	M85
11.	Петровић Г., Милић П., Мадић М.: ***Квантитативна логистика - вероватноћа, статистика и случајни процеси са примена [Quantitative logistics – probability, statistics and random examples with application]***, Машински факултет Универзитета у Нишу, Универзитетски уџбеник, СВЕН, ISBN 978-86-6055-106-3 (COBISS.SR-ID 270290956), Ниш, 2018.	-
12.	Jovanović M., Milić P.: ***Primena metode konačnih elemenata u analizi struktura: zbirka rešenih zadataka [Application of finite element method in structural analysis: collection of solved tasks]***, Mašinski fakultet Univerziteta u Nišu, SVEN, ISBN 978-86-6055-111-7 (COBISS.SR-ID 276159244), Niš, 2019.	-

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	19 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	5	
Current participation in projects	Domestic: 1	International: 1
Professional development		

Technical University of Karlsruhe – Institute of Transport Engineering and Logistic Systems, Germany (01/10/2015 – 31/03/2016) within the TEMPUS CD JEP 17019/2002 project titled "Aufbau und Entwicklung des neuen Studienprofils `Materialfluss und Logistik` an der Maschinenbaufakultät der Universität Nis". *Institute of Logistics and Material Flows at the University of Magdeburg – Germany (09/04/2005 – 24/04/2005), logistics seminar – teaching development in the field of logistics.*	
Other information considered relevant	

First name and surname		**JELENA R. MILOVANOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2014	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree	2006	Faculty of Mechanical Engineering in Niš	
Master's degree			Production Systems and Technologies
Engineer's degree	1998	Faculty of Mechanical Engineering in Niš	Production Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Vitković, N., Stojković, M., Majstorović, V., Trajanović, M., Milovanović, J., (2018). ***Novel design approach for the creation of 3D geometrical model of personalized bone scaffold,*** CIRP Annals. 67 (1), 177-180	M21a
2.	Vitković, N., Milovanović J., Trajanović, Korunović, N., M., Stojković, M., Manic, M., (2013), ***Different Approaches For The Creation Of Femur Anatomical Axis And Femur Shaft Geometrical Models***, Strojarstvo: časopis za teoriju i praksu u strojarstvu, 54 (3), 247-255	M23
3.	Vitković, N. Milovanović, J., Korunović, N., Trajanović, M., Stojković, M., Mišić, D., Arsić, S. (2013), ***Software System for Creation of Human Femur Customized Polygonal Models***, Computer Science and Information Systems / ComSIS, 10 (3), 1473-1497	M23
4.	Stojkovic, M., Milovanovic, J., Vitkovic, N., Trajanovic, M., Arsic, S., Mitkovic, M. (2012) ***Analysis of femoral trochanters morphology based on geometrical model***, JSIR-Journal of Scientific Industrial Research, 71(3), 210-216	M23
5.	Korunović, N., Trajanović, M., Stojković, M., Vitković, N., Trifunović, M., Milovanović, J., (2012). Detailed vs. ***Simplified Tread Tire Model for Steady-State Rolling Analysis***, Strojarstvo: časopis za teoriju i praksu u strojarstvu, 54(2), 153-160	M23
6.	Korunović, N., Trajanović, M., Stojković, M., Mišić, D., Milovanović, J., (2011***), Finite Element Analysis of a Tire Steady Rolling on the Drum and Comparison with Experiment***, Strojniški vestnik - Journal of Mechanical Engineering 57(12), 888-897.	M23
7.	Milovanovic, J., Stojkovic, M., Trajanovic, M. (2012). ***Metal Laser Sintering For Rapid Tooling In Application To Tyre Tread Pattern Mould***. Chapter 4 In: Shatokha V, editor. Sintering - Methods and Products, InTech , ISBN 978-953-51-0371-4, 73-90	M23
8.	Stojkovic, M., Milovanovic, J., Vitkovic, N., Trajanovic, M., Grujovic, N., Milivojevic, V., Milisavljevic, S., & Mrvic, S. (2010). ***Reverse modeling and solid free-form fabrication of sternum implant***. Australasian Physical & Engineering Sciences in Medicine, 33(3), 243-250.	M23
9.	Milovanovic, J., Stojkovic, M., Trajanovic, M., (2009). ***Rapid Tooling of Tyre Tread Ring Mould Using Direct Metal Laser Sintering***, JSIR-Journal of Scientific Industrial Research, 68(12), 1038-1042	M23
10.	Husain, K., Stojkovic, M., Vitkovic, N., Milovanovic, J., Trajanovic, M., Rashid, M., Milovanović, A.. (2019). ***Procedure for Creating Personalized Geometrical Models of the Human Mandible and Corresponding Implants***. Tehnicki Vjesnik. 26. 1044-1051.	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	94 citations in 73 documents, h-index = 5 (source Scopus) 286 citations, h-index = 9 (source Google Scholar)	
Total number of papers on the SCI (or SSCI) list	10	
Current participation in projects	Domestic: 1	International: 0
Professional development		
Other information considered relevant		

First name and surname		**ALEKSANDAR V. MILTENOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Mechanical Design	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2011	Faculty of Mechanical Engineering, Ruhr University Bochum (Germany)	Mechanical Design
Magister degree	2005	Faculty of Mechanical Engineering in Niš	Mechanical Design
Master's degree			
Engineer's degree	2003	Faculty of Mechanical Engineering in Niš	Mechanical Design

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Tomović R., Miltenović V., Banić M., Miltenović A: ***Vibration Response of Rigid Rotor in Unloaded Rolling Element Bearing***; International Journal of Mechanical Sciences (ISSN 0020-7403), 59/9 (2010), pp. 1176 - 1185.	M21a
2.	Banić M., Stamenković D., Miltenović V., Milošević M., Miltenović A., Đekić P., Rackov M.: ***Prediction of Heat Generation in Rubber or Rubber-Metal Springs***; Thermal Science (ISSN 0354-9836), 16/Suppl. 2 (2012), pp. 593 - 606.	M22
3.	Miltenović A., Nikolić V., Milovancević M., Banić M.: ***Experimental and FEM Analysis of Sintered Steel Worm Gear Wear***; Transactions of Famena (ISSN 1333-1124), 36/4 (2012), pp. 85 - 96.	M23
4.	Rackov M., Milovancevic M., Kanovic Ž.,Vereš M., Rafa K., Banić M., Miltenović A.: ***Optimization of HCR Gearing Geometry Using Generalized Particle Swarm Optimization Algorithm***; Tehnički Vjesnik-Technical Gazette (ISSN 1330-3651), 21/4 (2014), pp. 723-732.	M23
5.	Miltenović Đ., Milan T., Miltenović A., Banić M., Živković S., Mišković Ž.: ***Pitting of Tooth Flanks of Crossed Helical Gears Made of Sintered Steel***; Transactions of Famena (ISSN 1333-1124), 38/4 (2014), pp. 77 - 88.	M23
6.	Miltenović A., Nikolić V., Banić M.: ***Wear Load Capacity of Crossed Helical Gears With Wheel Made From Sintered Steel***; Science of Sintering (ISSN 0350-820X), 47 (2015), pp. 153 – 163.	M23
7.	Milosević M., Banić M., Stamenković D., Pavlović V. Tomić M., Miltenović A.: ***Distribution of Generated Friction Heat at Wheel-Rail Contact During Wheel Slipping Acceleration***; Thermal Science (ISSN 0354-9836), 20/Suppl. 5 (2016), pp. S1561-S1571	M22
8.	Predki, W., Miltenović, A.: ***Influence of Hardening on the Microstructure and the Wear Capacity of Gears Made of Fe1.5Cr0.2Mo Sintered Steel***, Science of Sintering, 42 (2010), pp. 205-214	M23
9.	Miltenović, A., Predki, W.: ***Damage Types of Crossed Helical Gears with Wheels from Sintered Steel***, Science of Sintering, 43 (2011), pp. 183-191	M23
10.	Miltenović, A., Kuzmanović, S., Miltenović, V., Tica, M., Rackov, M.: ***Thermal Stability of Crossed Helical Gears with Wheels made from Sintered Steel***. Thermal science, Vol. 16 (2), 2012, pp. 607-619	M22
11.	Miltenović, A., Nikolić, V., Mitrović, R.: ***Efficiency of Crossed Helical Gears with Wheels made of Sintered Steel Fe1.5Cr0.2Mo with Sinter-Hardening Treatment.*** TRANSACTIONS OF FAMENA XXXVI-2 (2012), pp. 31-40	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	75 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	12	
Current participation in projects	Domestic: 1	International: 3

Professional development

DAAD grant beneficiary from 2005 to 2010 at the Ruhr-University Bochum.

Other information considered relevant	

First name and surname		BOBAN D. NIKOLIĆ	
Rank		Assistant professor	
Specialized scientific field		IC Engines and Motor Vehicles	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	IC Engines and Motor Vehicles
Doctorate	2016	Faculty of Mechanical Engineering in Niš	IC Engines and Motor Vehicles
Magister degree	2006	Faculty of Mechanical Engineering in Niš	IC Engines and Motor Vehicles
Master's degree			
Engineer's degree	1994	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Nikolic B., Kegl B., Milanović S.,Jovanović M., Spasić Ž.: ***Effect of Biodiesel on Diesel Engine Emissions***, Thermal Science, VINCA INST NUCLEAR SCI, 22, pp. S1483 - S1498, 0354-9836, 10.2298/TSCI18S5483N, 2018.	M22
2.	Milanović S., Jovanović M., SpasićŽ., Nikolić B.: ***Two-Phase Flow in Channels with Non-Circular Cross-Section of Pneumatic Transport of Powder Material***, Thermal Science, VINCA INST NUCLEAR SCI, 22, pp. S1407 - S1424, 0354-9836, 10.2298/TSCI18S5407M, 2018.	M22
3.	Nikolić B., Jovanović M., Milošević M., Milanović S.: ***Function K – as a Link Between Fuel Flow Velocity and Fuel Pressure, Depending on the Type of Fuel***, FACTA UNIVERSITATIS-SERIES MECHANICAL ENGINEERING, UNIV NIS, pp. 119 - 132, 0354-2025, 629.3:629.06, 10.22190/FUME160628003N, 2017.	M24
4.	Milanović S., Jovanović M., Nikolić B., Blagojević V.: ***The Influence of Secondary Flow in a Two-Phase Gas-Solid System in Straight Channels with a Non-Circular Cross-Section***, Thermal Science, VINCA INST NUCLEAR SCI, 20, Suppl. 5, pp. S1419 - S1434, 0354-9836, 621, 10.2298/TSCI16S5419M, 2016.	M23
5.	Nikolić B., Kegl B., Marković S., Mitrović M.: ***Determining the Speed of Sound, Density and Bulk Modul us of Rape seed Oil, Biodiesel and Diesel Fuel***, Thermal Science, VINCA INST NUCLEAR SCI, 16, Issue suppl.2, pp. S505 - S514, 0354-9836, 621, 10.2298/TSCI120426187N, 2012.	M23
6.	Spasić Ž., Milanović S., Šušteršič V., Nikolić B.: ***Low-Pressure Reversible Axial Fan with Straight Profile Blades and Relatively High Efficiency***, Thermal Science, VINCA INST NUCLEAR SCI, 16, Issue suppl.2, pp. S593 - S603, 0354-9836, 10.2298/TSCI120503194S, 2012.	M23
7.	Nikolić B.: ***Istraživanje karakteristika ubrizgavanja ulja repice i njegovog metilestra pod visokim pritiscima u motorima SUS [Investigation of rapeseed oil and rapeseed oil methyl ester high pressure injection characteristics in IC engines]***, Doktorska disertacija, Univerzitet u Nišu, Mašinski Fakultet u Nišu, 662.756.3:665.334.9]:621.436.038(043.3), Niš, 2016.	M71
8.	Milanović S., Jovanović M., Spasić Ž., Nikolić B., ***Two-Phase Turbulent Flow In Straight Horizontal Channels With A Square Cross-Section Taking Into Account The Influence Of Vertical Forces***, Facta Universitatis, Series: Working and Living Environmental Protection Vol. 15, No 1, pp. 19 - 34, ISSN:0354-804X(Print) ISSN:2406-0534(Online), doi.org/10.22190/FUWLEP1801019M, 2018.	M52
9.	Milanović S., Jovanović M., Nikolić B., Blagojević V.: ***Two-Phase Gas-Solid Flow in Horizontal Channels with a Square Cross-Section Considering Secondary Flow***, 18th Sympos. on Thermal Science and Engin. of Serbia, Proceedings, Serbia, Sokobanja, pp. 486-495, ISBN 978-86-6055-098-1, 2017.	M33
10.	Milanović S., Jovanović M., Nikolić B., Spasić Ž.: ***Solid Particles Velocity Distribution in Pneumatic Transport of Granular Materials in Channels With a Noncircular Cross Section Taking Into Account Secondary Flow***, 6th International Congress of Serbian Society of Mechanics, pp. 1-10, ISBN: 978-86-909973-6-7, Tara, Serbia, 2017.	M33
11.	Nikolić, B., Milić, P., Milošević, M., Milanović, S.: ***Ecological and economic aspects of installing devices and equipment for LPG-fuelled vehicles***, 17. Symposium on Thermal Science and Engineering of Serbia SIMTERM 2015, Sokobanja, ISBN 978-86-6055-076-9, Proceedings, pp. 1115-1122, 2015.	M33
12.	Milić, P., Nikolić, B. i dr.: ***Softver za ispitivanje/kontrolisanje motornih vozila sa pogonom na tečni naftni gas [Software for testing/control of motor vehicles fuelled by liquefied petroleum gas]***, Kategorija tehničko rešenje: softver, Mašinski fakultet u Nišu, 2015.	M85

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	36 (*Scopus*), 27 (*Web of Science*), 60 (*Google Scholar*)	
Total number of papers on the SCI (or SSCI) list	6	
Current participation in projects	Domestic: 1	International: 0
Professional development: *Study visit at the Laboratory for Internal Combustion Engines, Faculty of Mechanical Engineering in Maribor during 2008 and 2014.*		
Other information considered relevant		

First name and surname		**IVAN R. PAVLOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Theoretical and Applied Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2017	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Doctorate	2014	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Magister degree			
Master's degree			
Engineer's degree	2003	Faculty of Mechanical Engineering in Niš	Production Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Pavlović I., Pavlović R., Janevski G.(2019) ***Mathematical modeling and stochastic stability analysis of viscoelastic nanobeams using higher-order nonlocal strain gradient theory***, Archives of Mechanics, Vol. 71(2), 137-153.	M23
2.	Pavlović I., Pavlović R., Janevski G.(2019) ***Dynamic stability and instability of nanobeams based on the higher-order nonlocal strain gradient theory***, The Quarterly Journal of Mechanics and Applied Mathematics, Vol. 72(2), 157-178	M22
3.	Catic-Djordjevic A., Pavlovic I., Pavlovic., Stefanovic N., Mikov M., Cvetkovic T., Velickovic-Radovanovic R. (2018) ***Evaluation of gender-based limited sampling methods for tacrolimus exposure after renal transplantation using the Monte Carlo simulation***, Pharmazie, Vol. 73(8), 482-485.	M23
4.	Pavlović I., Karličić D., Pavlović R., Janevski G., Ćirić I. (2016***) Stochastic stability of multi-nanobeam systems***, International Journal of Engineering Science, Vol.109, 88-105	M21a
5.	Pavlović I., Pavlović R., Janevski G. (2016) ***Dynamic instability of coupled nanobeam systems***, Meccanica, Vol. 51(5), 1167–1180	M21
6.	Karličić D., Cajić M., Kozić P., Pavlović I. (2015***) Temperature effects on the vibration and stability behavior of multi-layered graphene sheets embedded in an elastic medium***, Composite Structures, Vol. 131, pp.672–681.	M21a
7.	Pavlović I., Pavlović R., Ćirić I., Karličić D.(2015) ***Dynamic stability of nonlocal Voigt–Kelvin viscoelastic Rayleigh beams***, Applied Mathematical Modelling, Vol. 39(22), 6941–6950.	M21
8.	Pavlović I., Pavlović R., Kozić P., Janevski G. (2013***), Almost sure stochastic stability of a viscoelastic double-beam system***, Archive of Applied Mechanics, 83, 1591-1605.	M22
9.	Pavlović I., Ćirić I., Đekić P., Nikolić V., Pavlović R., Ćojbašić Ž., Radenković G. (2013) ***Rheological model optimization using advanced evolutionary computation for the analysis of the influence of recycled rubber on rubber blend dynamical behavior***, Meccanica, 48, 2467-2477.	M21
10.	Pavlović R., Kozić P., Pavlović I. (2012) ***Dynamic stability and instability of a double-beam system subjected to random forces***, International Journal of Mechanical Sciences, 62:111-119.	M21
11.	Pavlović R., Kozić P., Mitić S., Pavlović I. (2012) ***Influence of rotatory inertia on dynamic stability of the viscoelastic symmetric cross-ply laminated plates***, Mechanics Research Communications, 45:28-33.	M22
12.	Pavlović R., Janevski G., Pavlović I. ***Mehanika III – Dinamika [Mechanics III – Dynamics]***, Mašinski fakultet Univerziteta u Nišu, Niš, 2018.	-

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	119 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	19	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		**DUŠAN LJ. PETKOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2017	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2017	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree			
Master's degree			
Engineer's degree	2007	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	M.Madić, D. Petković, M. Radovanović, ***Mathematical modeling and optimization of drag line separation in laser cutting of stainless steel,*** Academic Journal of Manufacturing Engineering, Academic Journal of Manufacturing Engineering, 11, 2, pp. 80 - 86, 1583-7904, 2013.	M24
2.	D. Petković, M. Radovanović, ***Using genetic algorithms for optimization of turning machining process***, Journal of Engineering Studies and Research JESR, Journal of Engineering Studies and Research JESR, 19, 1, pp. 47 - 55, 2068-7559, 2013.	M24
3.	M. Madić, V. Gecevska, M. Radovanović, D. Petković, ***Multi-criteria economic analysis of machining processes using the WASPAS method***, J Produc Engnov,J Produc Engnov, J Produc Engnov,J Produc Engnov, 17, 2, pp. 79 - 82, ISSN 1821-4932, 2014.	M52
4.	D. Petković, M. Madić, G. Radenković***, Selection of the most suitable non-conventional machining processes for ceramic processing by using MCDMs***, Science of Sintering Vol 47, 2015, 229-235.	M22
5.	M. Madić, M. Radovanović, D. Petković, ***Chapter 5 - ANN Modeling and Pareto Multi-Objective Optimization Of Process Factors When CO2 Laser Cutting of Stainless Steel***, METHODS AND TECHNIQUES FOR INDUSTRIAL DEVELOPMENT (Editors: Franc CUS, Valentina GECEVSKA, Fulvia CHIAMPO), Faculty of Mechanical Engineering, Maribor, 2015, pp. 57-68.	M14
6.	D. Lj. Petković, M. J. Madić, M. R. Radovanović, P. Lj. Janković, G. M. Radenković, ***Modeling of Cutting Temperature in the Biomedical Stainless Steel Turning Process***, Thermal Science, vol. 20(5), 2016, S1345-S1354.	M23
7.	Petkovic D. Lj., Madic M. J., Radenkovic G. M., ***The effects of passivation parameters on pitting potential of biomedical stainless stee***l, Chemical Industry and Chemical Engineering Quarterly, Vol. 23 Num. 1, 2017 , pp. 121-129.	M23
8.	G Radenković, D. Petković, ***Chapter - Metallic Biomaterials*** pp. 183-224 in BIOMATERIALS IN CLINICAL PRACTICE – Advances in Clinical Research and Medical Devices (eds. F. Živić, S. Affato, M. Trajanović, M. Schnabelrauch, N. Grujović, K.L. Choy), Springer 2018.	M13
9.	M. Kostić, Lj. Nikolić, V. Nikolić, D. Petković, M. Igić, N. Krunić, M. Manić, N. Gligorijević, G. Radenković***, Effects of water boiling, microwave, and water bath post-polymerization on mechanical properties of acrylic denture resin***, Hemijska industrija, (2018), vol. 72 (3) pp. 129-137.	M23
10.	Janković P., Madić M., Radovanović M., Petković D. Mladenović S., **Optimization of Surface Roughness from Different Aspects in High-Power CO2 Laser Cutting of AA5754 Aluminum Alloy**, Arabian Journal for Science and Engineering, vol. 44 br. 12, 2019, 10245-10256	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	5 (*source Kobson*)	
Total number of papers on the SCI (or SSCI) list	10	
Current participation in projects	Domestic: 2	International: 0

Professional development:
2009 – "Faculty of Mechanical Engineering, University of Ljubljana" - LADISK laboratory, 6 months

Other information considered relevant	

First name and surname		**JELENA D. PETROVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Energy and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Doctorate	2019	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Fluid Mechanics
Magister degree			
Master's degree	2010	Faculty of Mechanical Engineering in Niš	Energy and Process Engineering
Engineer's degree	2010	Faculty of Mechanical Engineering in Niš	Energy and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Živojin M. STAMENKOVIĆ, Miloš M. Kocić, Jelena D. Petrović, Milica D. Nikodijević, ***Flow and heat transfer of three immiscible fluids in the presence of electric and inclined magnetic field***, Thermal Science, (2018), vol. 22, Suppl. 5, pp. S1575-S1589, ISSN 0354-9836. (M22, IF2017-1.433) https://doi.org/10.2298/TSCI18S5575S	M22
2.	Miloš M. KOCIĆ, Živojin M. STAMENKOVIĆ, Jelena D. PETROVIĆ, Milica D. NIKODIJEVIĆ, ***Influence of electrical-conductivity of walls on MHD flow and heat transfer of micropolar fluid***, Thermal Science, (2018), vol. 22, Suppl. 5, pp. S1591-S1600, ISSN 0354-9836. (M22, IF2017-1.433) https://doi.org/10.2298/TSCI18S5591K	M22
3.	Živojin M. STAMENKOVIĆ, Miloš M. KOCIĆ, Jelena D. PETROVIĆ, ***The CFD modeling of two-dimensional turbulent MHD channel flow***, Thermal Science, (2017), Vol. 21, Suppl. 3, pp. 837 - 850, ISSN 0354-9836. (M22, IF2017-1.433)https://doi.org/10.2298/TSCI160822093S	M22
4.	M.Kocić, J. Petrović, Ž. Stamenović, J. Bogdanović-Jovanović, ***Heat transfer in micropolar fluid flow under the influence of magnetic field***, Thermal Science, (2016), Vol. 20, Suppl. 5 pp. S1391-S1404, ISSN 0354-9836. (M23, IF2016-1.093) https://doi.org/10.2298/TSCI16S5391K	M23
5.	J. Petrović, Ž. Stamenković, M. Kocić, M. Nikodijević, ***Porous medium magnetohydrodynamic flow and heat transfer of two immiscible fluids***, Thermal Science, (2016), Vol. 20, Suppl. 5 pp. S1405 - S1417, ISSN 0354-9836. (M23, IF2016-1.093) https://doi.org/10.2298/TSCI16S5405P	M23
6.	Nikodijević Dragiša, Stamenković Živojin, Jovanović Miloš, Kocić Miloš, Nikodijević Jelena, ***Flow and Heat Transfer of Three Immiscible Fluids in the Presence of Uniform Magnetic Fiel***d, Thermal Science, (2014), Vol. 18, No. 3, pp. 1019-1028. ISSN 0354-9836. (M22, IF2014-1.222) https://doi.org/10.2298/TSCI1403019N	M22
7.	Ž. Stamenković, D. Nikodijević, M. Kocić, J. Nikodijević, ***Magnetohydrodynamic Flow and Heat Transfer of Two Immiscible Fluids with Induced Magnetic Field Effects***, Thermal Science, (2012), Vol. 16, pp. S323-S336, ISSN 0354-9836. (M23, IF2012-0.838) https://doi.org/10.2298/TSCI120430172S	M23
8.	Dragiša Nikodijević, Živojin Stamenković, Dragica Milenković, Bratislav Blagojević, Jelena Nikodijević, ***Flow and heat transfer of two immiscible fluids in the presence of uniform inclined magnetic field,*** Mathematical problems in engineering, Volume 2011, Article ID 132302, 18 pages, ISSN: 1024-123X. (M22, IF2011-0.777) http://dx.doi.org/10.1155/2011/132302	M22
9.	Jovanović Miloš, Nikodijević Jelena, Nikodijević Milica, "***Rayleigh-Benard convection instability in the presence of spatial temperature modulation on both plates***", INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, 2015, Vol. 73, pp. 69-74. https://doi.org/10.1016/j.ijnonlinmec.2014.11.017 (M21 IF 2015.-1.920)	M21
10.	Miloš M. Jovanović, Dragan S. Živković and Jelena D. Nikodijević "***RAYLEIGH-BENARD CONVECTION INSTABILITY IN THE PRESENCE OF TEMPERATURE VARIATION AT THE LOWER WALL***", THERMAL SCIENCE, Year 2012, Vol. 16, Supp. 2, pp. S331-S343 (M23, IF 2012.- 0.838)	M23
11.	Dragiša Nikodijević, Živojin Stamenković, Dragica Milenković, Bratislav Blagojević and Jelena Nikodijević "***Flow and Heat Transfer of Two Immiscible Fluids in the Presence of Uniform Inclined Magnetic Field***", Hindawi Publishing Corporation Mathematical Problems in Engineering Volume 2011, Article ID 132302, 18 pages doi: 10.1155/2011/132302 (M22 IF 2011.-0.777)	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	21 (*source Scopus*)
Total number of papers on the SCI (or SSCI) list	11

Current participation in projects	Domestic: 1	International: 0
Professional development *International Workshop for Laser Flow Measurements, organized by the Faculty of Mechanical Engineering, University of Belgrade, June 2011.*		
Other information considered relevant		

First name and surname		**DRAGAN S. RAKIĆ**	
Rank		Assistant professor	
Specialized scientific field		Mathematics and Computer Science	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2018	Faculty of Mechanical Engineering in Niš	Mathematics and Computer Science
Doctorate	2015	Faculty of Sciences and Mathematics in Niš	Functional Analysis
Magister degree			
Master's degree			
Bachelor's degree	2008	Faculty of Sciences and Mathematics in Niš	Mathematics and Computer Science

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	M. Ljubenović, D.S. Rakić, D. S. Đorđević, ***Linear preservers of DSS-weak majorization on discrete Lebesgue space $l^1(I)$ when I is an infinite set***, Linear and Multilinear Algebra, Taylor & Francis, 2019. (accepted for publication)	M22
2.	D. S. Rakić, D. S. Djordjević, ***A note on topological direct sum of subspaces***, Functional Analysis, Approximation and Computation, Prirodno-matematički fakultet u Nišu, vol. 10, no. 1, pp. 9-20, 2018.	M51
3.	D. S. Rakić, ***A note on Rao and Mitra's constrained inverse and Drazin's (b,c) inverse***, Linear Algebra and its Applications, Elsevier, vol. 523, pp. 102 - 108, 2017, doi: 10.1016/j.laa.2017.02.025	M21
4.	D. S. Rakić, D. S. Djordjević, ***Partial orders in rings based on generalized inverses - unified theory***, Linear Algebra and its Applications, Elsevier, vol. 471, pp. 203 - 223, 2015, doi: 10.1016/j.laa.2015.01.004	M21
5.	D. S. Rakić, D. S. Djordjević, ***Star, sharp, core and dual core partial order in rings with involution,*** Applied Mathematics and Computation, Elsevier, vol. 259, pp. 800 - 818, 2015, doi: 10.1016/j.amc.2015.02.062	M21a
6.	D. S. Rakić, ***Generalization of sharp and core partial order using annihilators***, Banach Journal of Mathematical Analysis, Duke University Press, vol. 9, no. 3, pp. 228 - 242, 2015, doi: 10.15352/bjma/09-3-16	M21
7.	J. Marovt, D. S. Rakić, D. S. Djordjević, ***Star, left-star, and right-star partial orders in Rickart*** *-rings, Linear and Multilinear Algebra, Taylor & Francis, vol. 63, no. 2, pp. 343 - 365, 2015, doi: 10.1080/03081087.2013.866670	M21
8.	D. S. Djordjević, D. S. Rakić, J. Marovt, ***Minus partial order in Rickart rings,*** Publicationes Mathematicae Debrecen, Institute of Mathematics, University of Debrecen, Hungary, vol. 87, no. 3-4, pp. 291 - 305, 2015, doi: 10.5486/PMD.2015.7161	M23
9.	D. S. Rakić, N. Č. Dinčić, D. S. Djordjević, ***Core inverse and core partial order of Hilbert space operators***, Applied Mathematics and Computation, Elsevier, vol. 244, pp. 283 - 302, 2014, doi: 10.1016/j.amc.2014.06.112	M21
10.	D. S. Rakić, N. Č. Dinčić, D. S. Djordjević, ***Group, Moore-Penrose, core and dual core inverse in rings with involution***, Linear Algebra and Its Applications, Elsevier, vol. 463, pp. 115 - 133, 2014, doi: 10.1016/j.laa.2014.09.003	M21
11.	D. S. Rakić, D. S. Djordjević, ***Space pre-order and minus partial order for operators on Banach spaces,*** Aequationes Mathematicae, Springer International Publishing, vol. 85, no. 3, pp. 429 - 448, 2013, doi: 10.1007/s00010-012-0133-2	M21
12.	D. S. Rakić, ***Decomposition of a ring induced by minus partial order,*** The Electronic Journal of Linear Algebra, ILAS–the International Linear Algebra Society, vol. 23, pp. 1040 - 1059, 2012, doi: 10.13001/1081-3810.1573	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	149 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	11	
Current participation in projects	Domestic: 1	International: 0
Professional development		
Other information considered relevant		

First name and surname		**JULIJANA D. SIMONOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Theoretical and Applied Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2017	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Doctorate	2012	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Magister degree	2008	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Master's degree			
Engineer's degree	2000	Faculty of Mechanical Engineering in Niš	Hydropower Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Simonovic J., (2019), ***Simultaneous multi-parametric analysis of bone cell population model***, NODYCON2019 Proceedings, Editors: Prof. B. Balachandran (University of Maryland), Prof. J. Ma (Lanzhou University of Technology), Prof. J.A.T. Machado (Polytechnic Institute of Porto), Prof. G. Stepan (Budapest University of Technology and Economics), and Prof. W. Lacarbonara (Sapienza University of Rome),Springer Conference***,*** *pp.*----, *ISBN*---- accepted for publishing	M22
2.	Hedrih (Stevanović) K R. and Simonović J., (2015), ***Structural analogies on systems of deformable bodies coupled with non-linear layers,*** Int. J. Non-Linear Mech, Volume 73, July 2015, pp. 18–24,http://dx.doi.org/10.1016/j.ijnonlinmec.2014.11.004	M21
3.	Simonović J.,(2015), ***Influence of rolling visco-elastic coupling on non-linear dynamics of double plates system***, Iranian Journal of Science and Technology, Transactions of Mechanical Engineering, ref. No. 1271 ,vol. 39 M1+ , pp 163-173 ,(April 2015). http://ijstm.shirazu.ac.ir/article_2996_551.html	M22
4.	Hedrih (Stevanović) K R, Ivanović-Šašić A., Simonović J., Kolar-Anić Lj., Čupić Ž., (2015), ***Oscillators: Phenomenological Mappings and Analogies - First Part: Mathematical Analogy and Chains***, Scientific Technical Review, 2015,Vol.65,No.3,pp.27-38. http://www.vti.mod.gov.rs/ntp/eindex.htm	M52
5.	Simonović J., Karličić D. and Cajić M., (2014), ***An energy analysis of the free transverse vibrations of visco-elastically connected double-membrane system***, FACTA UNIVERSITATIS Series: Mechanical Engineering, Vol. 12, No 3, Dec. 2014, pp.325-337, ISSN: 0354-2025.	M24
6.	Simonović J.,(2014***), Synchronization in Chains of Material Particles with Non-linear Feature****s*, FME Transactions (2014) 42, No. 4, pp. 341-345, © Faculty of Mechanical Engineering, Belgrade, doi:10.5937/fmet1404341S	M24
7.	Simonović J**.,** (2013), ***Synchronization in Coupled Systems with Different Type of Coupling Elements***, Differential Equations and Dynamical Systems, Volume 21, Issue 1 (2013), pp. 141-148, © Springer 2013. DOI. 10.1007/s12591-012-0130-x	M53
8.	Hedrih (Stevanović) K R. and Simonović J.,(2012), "***Multi-frequency analysis of the double circular plate system non-linear dynamics***", NONLINEAR DYNAMICS, (2012), vol. 67 br. 3, pp. 2299-2315, 2012 Springer. http://link.springer.com/article/10.1007%2Fs11071-011-0147-7	M21a
9.	Hedrih (Stevanović) K., Simonović J**.,** (2011**), *Influence of nonlinearity in energy transfer of double circular plate system***, International Journal of Bifurcation and Chaos, vol. 21 br. 10, str. 2993-3011. ISSN 0218-1274	M22
10.	Hedrih (Stevanović) K., Simonović J. D**.** , (2010**), *Non-linear dynamics of the sandwich double circular plate system***, Int. J. Non-Linear Mech, Volume 45, Issue 9, November 2010, pp. 902-918, ISSN: 0218-1274	M22
11.	Hedrih (Stevanovic) K. and Simonovic J., (2008**), *Transversal Vibrations of a Double Circular Plate System with Visco-elastic Layer Excited by a Random Temperature Field,*** International Journal of Nonlinear Sciences and Numerical Simulation, 9(1), 47-50, 2008, ©Freund Publishing House Ltd.	M21

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	27 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	8	
Current participation in projects	Domestic: 1	International: 1

Professional development:

Nov. 2017 - Oct. 2019: *post PhD research as PI (principal investigator) of Project MMoBEER that has received funding from the European Union's H2020 MGA MSCA-IF-2016under grant agreement No. 752793, Grant amount 195,454.80 Euro*

Dec. 2015 - Jun. 2016: *post PhD research as PI of project Bone Tissue Advanced Modeling with Piezoelectricity at Interdisciplinary Centre for Mathematical and Computational Modelling of Warsaw University, ERASMUS MUNDUS ACTION 2 PROJECT SIGMA AGILE, Estimated amount 15,000.00 Euro*	
Other information considered relevant	

First name and surname		VLADIMIR S. STOJANOVIĆ	
Rank		Assistant professor	
Specialized scientific field		Theoretical and Applied Mechanics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Doctorate	2013	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Magister degree			
Master's degree			
Engineer's degree	2008	Faculty of Mechanical Engineering in Niš	Mechatronics

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	V. Stojanović, P. Kozić, ***Vibrations and stability of complex beam systems***, Springer International Publishing Switzerland, pp 166, ISBN 978-3-319-13766-7, (2015)	M11
2.	V. Stojanović, M. Petković, ***Dynamic stability of vibrations and critical velocity of a complex bogie system moving on a flexibly supported infinity track***, Journal of Sound and Vibration, vol. 434, 475-501 (2018)	M21
3.	V. Stojanović, M. Petković, ***Nonlinear dynamic analysis of damaged Reddy-Bickford beams supported on an elastic Pasternak foundation***, Journal of Sound and Vibration, vol. 385, 239-266 (2016)	M21
4.	V. Stojanović, P. Kozić, and G. Janevski, ***Exact closed-form solutions for the natural frequencies and stability of elastically connected multiple beam system using Timoshenko and high-order shear deformation theory***, Journal of Sound and Vibration, vol. 332, 563-576, (2013)	M21
5.	V. Stojanović, M. Petković, D. Milić, ***Nonlinear vibrations of a coupled beam-arch bridge system***, Journal of Sound and Vibration, doi.org/10.1016/j.jsv.2019.115000, (2019)	M21
6.	V. Stojanović, P. Kozić, M. Petković, ***Dynamic instability and critical velocity of a mass moving uniformly along a stabilized infinity beam***, International Journal of Solids and Structures, vol. 108, 164-174 (2017)	M21
7.	V. Stojanović, M. Petković, J. Deng, ***Stability of parametric vibrations of an isolated symmetric cross-ply laminated plate***, Composites Part B: Engineering, vol. 167, 631-642 (2019)	M21
8.	V. Stojanović, M. Petković, J. Deng, ***Stability and vibrations of an overcritical speed moving multiple discrete oscillators along an infinite continuous structure***, European Journal of Mechanics / A Solids, vol. 75, 367-380 (2019)	M21
9.	V. Stojanović, M. Petković, J. Deng, ***Instability of vehicle systems moving along an infinite beam on a viscoelastic foundation***, European Journal of Mechanics / A Solids, vol. 69, 238–254 (2018)	M21
10.	V. Stojanović, M. Petković, J. Deng, ***Stability of vibrations of a moving railway vehicle along an infinite complex three-part viscoelastic beam/foundation system***, Int. Journal of Mechanical Sciences, vol. 136, 155–168 (2018)	M21
11.	V. Stojanović, ***Geometrically nonlinear vibrations of beams supported by a nonlinear elastic foundation with variable discontinuity***, Communications in Nonlinear Science and Numerical Simulation, vol. 28, 66-80 (2015)	M21
12.	V. Stojanović, P. Kozić, M. Ristić, ***Vibrations and stability analysis of multiple rectangular plates coupled with elastic layers based on different plate theories***, International Journal of Mechanical Sciences, vol. 92, 233-244 (2015)	M21
13.	V. Stojanović, P. Ribeiro, S. Stoykov, ***Non-linear vibration of Timoshenko damaged beams by a new p-version finite element method***, Computers & Structures, vol. 120, 107-119, (2013)	M21
14.	V. Stojanović, P. Kozić, ***Forced transverse vibration of Rayleigh and Timoshenko double-beam system with effect of compressive axial load***, International Journal of Mechanical Sciences, vol. 60, 59-71, (2012)	M21
15.	V. Stojanović, P. Kozić, ***Stochastic stability of a thick beams using contact transformation method***, Probabilistic Engineering Mechanics, vol. 34, 110-113, (2013)	M21
16.	M.S. Atanasov, V. Stojanović, ***Nonlocal forced vibrations of rotating cantilever nano-beams***, European Journal of Mechanics / A Solids, 10.1016/j.euromechsol.2019.103850, (2019)	M21
17.	P. Kozić, R. Pavlović, G. Janevski, and V. Stojanović, ***Moment Lyapunov exponents and stochastic stability of moving narrow bands***, Journal of Vibration and Control, vol. 17, 988-999, (2011)	M21
18.	M. Jovanović, G. Radojčić, V. Stojanović, ***Accuracy of incidental dynamic analysis of mobile elevating work platforms,*** Structural Engineering and Mechanics, vol. 71, 553-562 (2019)	M21

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	172
Total number of papers on the SCI (or SSCI) list	26 *(6 chapters in M11)

Current participation in projects	Domestic: 1	International: 1
Professional development *Lakehead University, Ontario, Canada, 4 months (2017 and 2018), Engenharia University, Porto, 12 months (2012)*		
Other information considered relevant		

First name and surname		**MIRKO M. STOJILJKOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Thermal Engineering, Thermoenergetics and Process Engineering	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Doctorate	2015	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering
Magister degree			
Master's degree			
Engineer's degree	2005	Faculty of Mechanical Engineering in Niš	Thermal Engineering, Thermoenergetics and Process Engineering

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Stojiljković, M. M., ***Bi-level multi-objective fuzzy design optimization of energy supply systems aided by problem-specific heuristics***, Energy 137 (2017), pp. 1231–1251.	M21a
2.	Stojiljković, M. M., Ignjatović, M. G., Vučković, G. D., ***Greenhouse gases emission assessment in residential sector through buildings simulations and operation optimization***, Energy 92 (2015), pp. 420–434.	M21a
3.	Vučković, G. D., Stojiljković, M. M., Vukić, M. V., ***First and second level of exergy destruction splitting in advanced exergy analysis for an existing boiler***, Energy Conversion and Management 104 (2015), pp. 8–16.	M21a
4.	Vučković, G. D., Stojiljković, M. M., Vukić, M. V., Stefanović, G. M., Dedeić, E. M., ***Advanced exergy analysis and exergoeconomic performance evaluation of thermal processes in an existing industrial plant***, Energy Conversion and Management 85 (2014), pp. 655–662.	M21a
5.	Stojiljković, M. M., Stojiljković, M. M., Blagojević, B. D., ***Multi-Objective Combinatorial Optimization of Trigeneration Plants Based on Metaheuristics***, Energies 7 (2014), 12, pp. 8554–8581.	M22
6.	Stojiljković, M. M., Stojiljković, M. M., Ignjatović, M. G., Vučković, G. D., ***Cost-optimal energy retrofit for Serbian residential buildings connected to district heating systems***, Thermal Science, DOI:10.2298/TSCI180308253S.	M22
7.	Janevski, J. N., Stojanović, B. V., Laković M. S., Stojiljković M. M., Mitrović, D. M., ***Wood biomass in Serbia - Resources and possibilities of use***, Energy Sources Part B Economics, Planning, and Policy 11 (2016), 8, pp. 732–738.	M23
8.	Ignjatović, M. G., Blagojević, B. D., Stojiljković, M. M., Mitrović, D. M., Andjelković, A. S., Ljubenović, M. B., ***Sensitivity Analysis for Daily Building Operation from the Energy and Thermal Comfort Standpoint***, Thermal Science 20 (2016), Suppl. 5, pp. S1485–S1500.	M23
9.	Mitrović, D. M., Ignjatović, M. G., Stojanović, B. V., Janevski J. N., Stojiljković M. M., ***Comparative Exergetic Performance Analysis for Certain Thermal Power Plants in Serbia***, Thermal Science 20 (2016), Suppl. 5, pp. S1259–S1269.	M23
10.	Stojiljković, M. M., Blagojević, B. D., Vučković, G. D., Ignjatović, M. G., Mitrović, D. M., ***Optimization of operation of energy supply systems with co-generation and absorption refrigeration***, Thermal Science 16 (2012), Suppl. 2, pp. S409–S422.	M23
11.	Vučković, G. D., Vukić, M. V., Stojiljković, M. M., Vučković, D. D., ***Avoidable and unavoidable exergy destruction and exergoeconomic evaluation of the thermal processes in a real industrial plant***, Thermal Science 16 (2012), Suppl. 2, pp. S433–S446.	M23
12.	Stojiljković, M. M., Stojiljković, M. M., Blagojević, B. D., Vučković, G. D., Ignjatović, M. G., ***Effects of implementation of co-generation in the district heating system of the Faculty of Mechanical Engineering in Niš***, Thermal Science 14 (2010), Suppl., pp. S41–S51.	M23
13.	Stojiljković, M. M., Stojiljković, M. M., Blagojević, B. D., ***Mathematical modeling and optimization of tri-generation systems with reciprocating engines***, Thermal Science 14 (2010), 2, pp. 541–553.	M23
14.	Stefanović, G., M., Vučković, G. D., Stojiljković, M. M., Trifunović, M. B., ***CO_2 reduction options in cement industry–The Novi Popovac case***, Thermal Science 14 (2010), 3, pp. 671–679.	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	130 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	14	
Current participation in projects	Domestic: 1	International: 0

Professional development	
Other information considered relevant	

First name and surname		MILAN B. TRIFUNOVIĆ	
Rank		Assistant professor	
Specialized scientific field		Production Systems and Technologies	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2016	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Magister degree			
Master's degree			
Engineer's degree	2003	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Vitković, N., Mladenović, S., Trifunović, M., Zdravković, M., Manić, M., Trajanović, M., Mišić, D., & Mitić, J. (2018). ***Software Framework for the Creation and Application of Personalized Bone and Plate Implant Geometrical Models***. Journal of Healthcare Engineering, 2018, Article ID 6025935, 11 pages. DOI: 10.1155/2018/6025935	M23
2.	Trifunovic, M., Stojkovic, M., Trajanovic, M., Manic, M., Misic, D., & Vitkovic, N. (2016). ***Analysis of semantic features in free-form objects reconstruction***. Artificial Intelligence for Engineering Design, Analysis and Manufacturing, *30(1)*, 44-63. DOI: 10.1017/S0890060415000153	M23
3.	Trifunovic, M., Stojkovic, M., Trajanovic, M., & Manic, M. (2015*).* ***Semantic interpretation of geometric and technological features***. In F. Cus, V. Gecevska, & F. Chiampo (Eds.), Methods and techniques for industrial development (pp. 145-165). Maribor, Slovenia: Faculty of Mechanical Engineering. ISBN: 978-961-248-493-4	M14
4.	Stojkovic, M., Trifunovic, M., Misic, D., & Manic, M. (2015*).* ***Towards Analogy-Based Reasoning in Semantic Network***, Computer Science and Information Systems, *12(3)*, 979-1008. DOI: 10.2298/CSIS141103036S	M23
5.	Trifunovic, M., Stojkovic, M., Misic, D., Trajanovic, M., & Manic, M. (2015). ***Recognizing Topological Analogy in Semantic Network***. International Journal on Artificial Intelligence Tools, 24(3), 1550006-1 - 1550006-25. DOI: 10.1142/S0218213015500062	M23
6.	Trifunovic, M., Stojkovic, M., Trajanovic, M., Misic, D., & Manic, M. (2014). ***Approach in realization of analogy-based reasoning in semantic network***. Proceedings of the 4th International Conference on Information Society and Technology *(ICIST 2014)* (pp. 192-197), 9th-13th March 2014, Kopaonik, Serbia. ISBN: 978-86-85525-14-8	M33
7.	Stojkovic, M., Korunovic, N., Trajanovic, M., Milovanovic, J., Trifunovic, M., & Vitkovic, N. (2013). ***Design study of anatomically shaped lattice scaffolds for the bone tissue recovery***. Proceedings of the 3rd South-East European Conference on Computational Mechanics (SEECCM III) (pp. 381-393), 12th-14th June 2013, Kos island, Greece. ISBN: 978-960-99994-4-1	M33
8.	Korunović, N., Trajanović, M., Stojković, M., Vitković, N., Trifunović, M., & Milovanović, J. (2012). ***Detailed vs. Simplified Tread Tire Model for Steady-State Rolling Analysis***. Strojarstvo: časopis za teoriju i praksu u strojarstvu, 54(2*)*, 153-160. http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=137870	M23
9.	Stevanović, D., Korunović, N., Trajanović, M., Trifunović, M., Milovanović, J., & Stojković, M. (2012). ***Finite element model of human tibia and preliminary analysis***. Proceedings of the 11th International Scientific Conference MMA 2012 – Advanced Production Technologies (pp. 289-292), 20th-21st September 2012, Novi Sad, Serbia. ISBN: 978-86-7892-419-4	M33
10.	Mišic, D., Stojkovic, M., Domazet, D., Trajanovic, M., Manic, M., & Trifunovic, M. (2010). ***Exception detection in business process management systems***. Journal of Scientific & Industrial Research, 69(3), 188-193. http://nopr.niscair.res.in/handle/123456789/7377	M23
11.	Stefanović, G., Vučković, G., Stojiljković, M., & Trifunović, M. (2010*).* ***CO_2 reduction options in cement industry – The Novi Popovac case***. Thermal Science, 14(3), 671-679. DOI: 10.2298/TSCI091211014S	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	42 (source: Scopus)	
Total number of papers on the SCI (or SSCI) list	8	
Current participation in projects	Domestic: 2	International: 2

Professional development

"Shop Turn, Shop Mill Operating and Programming Train the Trainer"; a course for working in SIEMENS in-shop CAM programming applications for lathing and milling intended for instructors, organized by: SIEMENS Training for Automation and Industrial Solutions; March 2012; place: Bucharest, Romania

First name and surname		**IVAN T. ĆIRIĆ**	
Rank		Assistant professor	
Specialized scientific field		Automatic Control and Robotics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Automatic Control and Robotics
Doctorate	2015	Faculty of Mechanical Engineering in Niš	Automatic Control and Robotics
Magister degree	2010	Faculty of Mechanical Engineering in Niš	Automatic Control
Master's degree			
Engineer's degree	2004	Faculty of Mechanical Engineering in Niš	Mechatronics and Control

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Milan Pavlović, Ivan Ćirić, Danijela Ristić-Durrant, Vlastimir Nikolić, Miloš Simonović, Milica Ćirić, Milan Banić, ***Advanced Thermal Camera Based System For Object Detection On Rail Tracks,*** Thermal Science, 2018, vol. 22 br. , Suppl. 5, str. S1551-S1561	M22
2.	Marko Kovandžić, Vlastimir D. Nikolić, Abdulathim Al-Noori, Ivan T. Ćirić, Miloš B. Simonović **,** ***Near Field Acoustic Localization Under Unfavorable Conditions Using Feedforward ´ Neural Network For Processing Time Difference Of Arrival***, Expert Systems With Applications (2017), doi: 10.1016/j.eswa.2016.11.030	M21a
3.	Ivan T. Ćirić, Žarko M. Ćojbašić, Danijela Ristić-Durrant, Vlastimir D. Nikolić, Milica V. Ćirić, Miloš B. Simonović, Ivan R. Pavlović: ***Thermal Vision based Intelligent System for Human Detection and Tracking in Mobile Robot Control System***, THERMAL SCIENCE, Year 2016, Vol.20, Suppl.5, pp. S1553-S1559 doi:10.2298/TSCI16S5553Ć	M22
4.	Miloš B. Simonović, Vlastimir D. Nikolić, Emina P. Petrović, Ivan T. Ćirić***: Heat Load Prediction of Small District Heating System Using Artificial Neural Networks***, THERMAL SCIENCE, Year 2016, Vol.20, Suppl.5, pp. S1355-S1365 doi:10.2298/TSCI16S5355S	M22
5.	Ivan R. Pavlović, Danilo Karličić, Ratko Pavlović, Goran Janevski, Ivan Ćirić, ***Stochastic stability of multi-nanobeam systems***, International Journal of Engineering Science, Volume 109, 2016, Pages 88-105, ISSN 0020-7225, https://doi.org/10.1016/j.ijengsci.2016.09.006.	M21a
6.	Pavlović Ivan, Pavlović Ratko, Ćirić Ivan, Karličić, Danilo***, Dynamic stability of nonlocal Voigt–Kelvin viscoelastic Rayleigh beams***, Applied Mathematical Modelling, 39, 22, 6941-6950, 2015, Elsevier	M21
7.	Ćirić, Ivan T; Ćojbašić, Žarko M; Nikolić, Vlastimir D; Igić, Tomislav S; Turšnek, Branko AJ; ***Intelligent optimal control of thermal vision-based Person-Following Robot Platform,*** Thermal Science,18,3,957-966,2014	M22
8.	Pavlović, I., Ćirić, I., Djekić, P., Nikolić, V., Pavlović, R., Ćojbašić, Ž., & Radenković, G. (2013). ***Rheological model optimization using advanced evolutionary computation for the analysis of the influence of recycled rubber on rubber blend dynamical behaviour.*** Meccanica, 48(10), 2467-2477.	M21
9.	Ćirić I., Ćojbašić Ž., Nikolić V., Živković P., Tomić M., (2012), ***Air Quality Estimation by Computational Intelligence Methodologies***, Thermal Science, Vol. 16, Suppl. 2, pp. S493-S504	M22
10.	Zivkovic Predrag M, Nikolic Vlastimir D, Ilic Gradimir S, Cojbasic Zarko M, Ciric Ivan T**, *Hybrid soft computing control strategies for improving the energy capture of a wind farm,*** THERMAL SCIENCE, (2012), vol. 16 No., pp.S483-S491	M22
11.	Ćojbašić Ž., Nikolić V., Ćirić I., Ćojbašić Lj. (2011***), Computationally Intelligent Modelling and Control of Fluidized Bed Combustion Process***, Thermal Science, Vol. 15, No 2, pp. 321 - 338	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	96 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	11	
Current participation in projects	Domestic: 2	International: 1
Professional development		
Other information considered relevant		

First name and surname		**ALEKSANDRA M. CVETKOVIĆ**	
Rank		Assistant professor	
Specialized scientific field		Mechatronics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Mechanical Engineering in Niš	Mechatronics
Doctorate	2013	Faculty of Electronic Engineering in Niš	Telecommunications
Magister degree	2007	Faculty of Electronic Engineering in Niš	Telecommunications
Master's degree			
Engineer's degree	2001	Faculty of Electronic Engineering in Niš	Electronics and Telecommunications

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	M. Petković, A. Cvetković, G. T. Đorđević**:** ***Performance of mixed RF/FSO relaying systems***, poglavlje u knjizi: M. Uysal, C. Capsoni, Z. Ghassemlooy, A. Boucouvalas, and E. G. Udvary (Eds.), *Optical Wireless Communication – An Emerging Technology*, pp. 387-407. ISBN 978-3-319-30200-3, Springer, 2016.	M13
2.	A. M. Cvetkovic, V. Blagojević, P. Ivaniš: ***Performance analysis of nonlinear energy-harvesting DF relay system in interference-limited Nakagami-m fading environment,*** ETRI Journal, vol. 39, no. 6, pp. 803–812, December 2017. John Wiley & Sons, Inc., ISSN (printed): 1225-6463, ISSN (online) 2233-7326, (IF 1.116 (2016))	M23
3.	A. M. Cvetkovic, J. Anastasov: ***Performance evaluations of amplify-and-forward relaying system over Weibull-Gamma fading environment***, IETE Journal of Research, vol.65, no.3, pp. 380-386, Published online: 11 February 2018. Taylor & Francis, ISSN (printed) 0377-2063, ISSN (online) 0974-780X, (IF 0.829 (2017))	M23
4.	V. Blagojević, A. M. Cvetkovic, P. Ivaniš: ***Performance analysis of energy harvesting DF relay system in generalized- K fading environment***, Physical Communication, vol. 28, pp. 190-200, June 2018. Elsevier, ISSN 1874-4907, (IF 1.522 (2017))	M22
5.	G. T. Đorđević, K. Kansanen, A. M. Cvetković: ***Outage performance of decode-and-forward cooperative networks over Nakagami-m fading with node blockage***, IEEE Transactions on Wireless Communications, vol. 15, no. 9, pp. 5848–5860, September 2016. Institute of Electrical and Electronics Engineers (IEEE), ISSN: 1536-1276, (IF 5.888 (2017))	M21a
6.	M. I. Petkovic, A. M. Cvetkovic, G. Djordjevic, G. K. Karagiannidis: ***Partial relay selection with outdated channel state estimation in mixed RF/FSO Systems***, Journal of Lightwave Technology, vol. 33, no. 13, pp. 2860-2867, July 2015, Optical Society of America (OSA) and the Institute of Electrical and Electronics Engineers (IEEE), ISSN 0733-8724, (IF 2.965 (2014))	M21a
7.	G. T. Djordjevic, M. I. Petkovic, A. M. Cvetkovic, G. K. Karagiannidis: ***Mixed RF/FSO relaying with outdated channel state information***, IEEE Journal on Selected Areas in Communications, vol. 33, no. 9, pp. 1935–1948, September 2015, Institute of Electrical and Electronics Engineers (IEEE), ISSN 0733-8716, (IF 8.085 (2016))	M21a
8.	A. M. Cvetkovic, D. Milić, A. S. Cvetkovic, M. C. Stefanovic: ***Outage performance of dual-hop AF relay channels with co-channel interferences over Rayleigh fading***, Wireless Personal Communications, Springer, vol. 70, issue 4, pp. 1993-2006, June 2013, Springer-Verlag New York, USA, ISSN (printed): 0929-6212, ISSN (electronic): 1572-834X, (IF 0.979 (2013), M23)	M23
9.	A. M. Cvetković, G. Đorđević, M. Stefanović: ***Performance of interference-limited dual hop nonregenerative relays over Rayleigh fading channels***, IET Communications, vol. 5, no 2, pp. 135-140, January 2011, The Institution of Engineering and Technology, ISSN 1751-8628 8628, (IF 0.963 (2010))	M23
10.	A. M. Cvetković, G. Đorđević, M. Stefanović: ***Performance analysis of dual switched diversity over correlated Weibull fading channels with co-channel interference***, International Journal of Communication Systems, vol. 24, no 9, pp. 1183–1195, September 2011, John Wiley & Sons, Ltd. ISSN (printed) 1074-5351, ISSN (electronic) 1099-1131 (IF 0.712 (2012))	M23

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	204 (*Scopus*), 415 (https://scholar.google.com/)	
Total number of papers on the SCI (or SSCI) list	21	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		

First name and surname		DRAGAN Z. MARINKOVIĆ	
Rank		Full professor	
Specialized scientific field		Transport Engineering and Logistics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2018	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Doctorate	2006	Otto von Guericke University Magdeburg	Active Structures
Magister degree			
Master's degree			
Engineer's degree	1999	Faculty of Mechanical Engineering in Niš	Mechanical Design and Mechanization

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended
1.	"Multi-objective optimization of technical systems maintenance process based on probability methods and artificial intelligence"	Goran Petrović		22/05/2013
2.	"Development of isogeometric finite element method and its application in structural analysis of transport machines"	Predrag Milić		11/05/2018

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Korunović N., Fragassa C., Marinković D., Vitković N., Trajanović M.: ***Performance evaluation of cord material models applied to structural analysis of tires***, (2019) Composite Structures, 224, art. no. 111006	M21
2.	Marinkovic, D., Zehn, M.**:** ***Survey of finite element method-based real-time simulations,*** (2019) Applied Sciences (Switzerland), 9 (14), art. no. 2775	M22
3.	Korunovic N., Marinkovic D., Trajanovic M., Zehn M., Mitkovic M., Affatato S.: ***In silico optimization of femoral fixator position and configuration by parametric CAD model,*** (2019) Materials, 12 (14), art. no. 2326	M21
4.	Mitrev R., Marinković D.: ***Numerical study of the hydraulic excavator overturning stability during performing lifting operations,*** (2019) Advances in Mechanical Engineering, 11(5)	M23
5.	Ha G.X., Marinkovic D., Zehn M.W.: ***Parametric investigations of mechanical properties of nap-core sandwich composites***, (2019) Composites Part B: Engineering, 161, pp. 427-438.	M21a
6.	Ha G.X., Zehn M.W., Marinkovic D., Fragassa C.**:** ***Dealing with nap-core sandwich composites: How to predict the effect of symmetry,*** (2019) Materials, 16 (6), art. no. 874	M21
7.	Rama G., Marinkovic D., Zehn M.: ***High performance 3-node shell element for linear and geometrically nonlinear analysis of composite laminates,*** (2018) Composites Part B: Engineering, 151, pp. 118-126.	M21a
8.	Marinkovic D., Zehn M., Rama G.: ***Towards real-time simulation of deformable structures by means of co-rotational finite element formulation,*** (2018) Meccanica, 53 (11-12), pp. 3123-3136.	M22
9.	Marinković D., Zehn M.**:** ***Consideration of Stress Stiffening and Material Reorientation in Modal Space Based Finite Element Solutions***, (2018) Physical Mesomechanics, 21 (4), pp. 341-350.	M21
10.	Rama G.. Marinkovic D., Zehn M.: ***A three-node shell element based on the discrete shear gap and assumed natural deviatoric strain approaches***, (2018) Journal of the Brazilian Society of Mechanical Sciences and Engineering, 40(7), art. no. 356	M22
11.	Rama G., Marinković D., Zehn M.: ***Efficient three-node finite shell element for linear and geometrically nonlinear analyses of piezoelectric laminated structures***, (2018) Journal of Intelligent Material Systems and Structures, 29 (3), pp. 345-357.	M22
12.	Marinković D., Zehn M.: ***Corotational finite element formulation for virtual-reality based surgery simulators***, (2018) Physical Mesomechanics, 21 (1), pp. 15-23.	M21
13.	Rama G., Marinkovic D.Z., Zehn, M.W.**:** ***Linear shell elements for active piezoelectric laminates***, (2017) Smart Structures and Systems, 20(6), pp. 729-737.	M22
14.	Marinković D., Rama G.: ***Co-rotational shell element for numerical analysis of laminated piezoelectric composite structures***, (2017) Composites Part B: Engineering, 125, pp. 144-156.	M21a
15.	Mitrev R., Janošević D., Marinković D**.:** ***Dynamical modelling of hydraulic excavator considered as a multibody system***, (2017) Tehnicki Vjesnik, 24, pp. 327-338.	M23
16.	Milić P., Marinković D., ***Isogeometric FE analysis of complex thin-walled structures,*** (2015) Transactions of Famena, 39 (1), pp. 15-26.	M23

17.	Jovanović V.D., Janošević D.B., Marinković D.Z**.: *Determination of the load acting on the axial bearing of a slewing platform drive in hydraulic excavators***, (2015) Acta Polytechnica Hungarica, 12(1), pp. 5-22.	M23
18.	Nestorović T., Marinković D., Shabadi S., Trajkov M., ***User defined finite element for modeling and analysis of active piezoelectric shell structures***, (2014) Meccanica, 49 (8), pp. 1763-1774.	M21

Cumulative data on the scientific activity of the professor		
Total number of citations, excluding self-citations	320, 206 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	38	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant	*Editor-in-Chief of Facta Universitatis series Mechanical Engineering*	

First name and surname		**DANIJELA D. RISTIĆ-DURRANT**	
Rank		Associate professor	
Specialized scientific field		Automatic Control and Robotics	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2016	Faculty of Mechanical Engineering in Niš	Automatic Control and Robotics
Doctorate	2007	University of Bremen, Germany	Robotics
Magister degree	1998	Faculty of Mechanical Engineering in Niš	Automatic Control and Robotics
Master's degree			
Engineer's degree	1992	Faculty of Mechanical Engineering in Niš	Automatic Control and Robotics

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Maria Kyrarini, Muhammad Abdul Haseeb, Danijela Ristić-Durrant, Axel Gräser, ***Robot learning of industrial assembly task via human demonstrations,*** Autonomous Robots, 2018.	M21
2.	Muhammad Abdul Haseeb, Jianyu Guan, Danijela Ristić-Durrant, Axel Gräser., DisNet: ***A novel method for distance estimation from monocular camera***, 2018 IEEE/RSJ International Conference on Intelligent Robots and Systems - IROS 2018.	M33
3.	Pavlović M., Cirić I., Ristić-Durrant D., Nikolić V., Simonović M., Cirić M., Banić M., ***Advanced Thermal Camera Based System for Object Detection on Rail Tracks***, THERMAL SCIENCE 2018 22 (5):S1551-S1561	M22
4.	A. Leu; M. Razavi; L. Langstädtler; D. Ristić-Durrant; H. Raffel; C. Schenck; A. Gräser; B. Kuhfuss, ***Robotic green asparagus selective harvesting***, 2017, Mechatronics, IEEE/ASME Transactions on, DOI: 10.1109/TMECH.2017.2735861	M21a
5.	Ristić-Durrant D., Gao G., Leu A**.,** ***Low-level sensor fusion-based human tracking for mobile robot***, Facta Universitatis, Series: Automatic Control and Robotics, Vol 15, No. 1. 2016	M24
6.	Gräser A., Heyer T., Fotoohi L., Lange U., Kampe H., Enjarini B., Heyer S., Fragkopoulos C., Ristić-Durrant D., A ***Supportive FRIEND at Work: Robotic Workplace Assistance for the Disabled***, Robotics & Automation Magazine, IEEE, vol.20, no.4, pp.148-159, Dec. 2013.	M21
7.	Petrović E., Leu A, Ristić-Durrant D., Nikolić V. (2013), Stereo-Vision Based Human Tracking for Robotic Follower, ***International Journal of Advanced Robotic Systems***, ISSN 1729-8806, 2013.	M23
8.	Gräser A., Kuzmicheva O., Ristić-Durrant D., Natarajan S., Fragkopoulos C. , ***Vision-based Control of Assistive Robot FRIEND: Practical Experiences and Design Conclusions***, at – Automatisierungstechnik, Vol. 60, Nr. 5 , pp. 297-308, 2012.	M23
9.	Ristić-Durrant D., Grigorescu S.M., Gräser A., Ćojbašić Ž., Nikolić V. (2011), ***Robust Stereo-Vision Based 3D Object Reconstruction for the Assistive Robot FRIEND***, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Issue 4, Year 2011, 15 – 22, DOI: 10.4316/AECE.2011.04003.	M23
10.	Ristić D., Gräser A. (2006), ***Performance Measure as Feedback Variable in Image Processing***, EURASIP Journal on Advances in Signal Processing (has changed title to EURASIP Journal on Advances in Signal Processing), Volume 2006, Article ID 27848, 12 pages.	M22

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	209 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	12	
Current participation in projects	Domestic: 1	International: 2

Professional development:
University of Linz, Austria (October 2001); University of Bremen, Germany (since 2002)

Other information considered relevant	*Successful coordination and implementation of several national (German) and European Union projects; researcher and manager of European collaborative projects (FP7 and H2020)*

First name and surname		JOVAN Ž. DORIĆ	
Rank		Associate professor	
Specialized scientific field		Motor Vehicles and IC Engines	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2017	Faculty of Technical Sciences in Novi Sad	Motor Vehicles and IC Engines
Doctorate	2012	Faculty of Technical Sciences in Novi Sad	Motor Vehicles and IC Engines
Magister degree			
Master's degree	2008	Faculty of Technical Sciences in Novi Sad	Motor Vehicles and IC Engines
Engineer's degree	2008	Faculty of Technical Sciences in Novi Sad	Motor Vehicles and IC Engines

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Adamović D., Dorić J., Vojinović-Miloradov M., Adamović (Majkić) S., Pap S., Radonić (Jakšić) J., Turk Sekulić M.: ***The emission of BTEX compounds during movement of passenger car in accordance with the NEDC***, Science of the Total Environment, 2018, Vol. 639, pp. 339-349, ISSN 0048-9697	M21a
2.	Dorić J., Klinar I.: ***Efficiency of a new IC engine concept with variable piston motion***, Thermal Science, 2014, Vol. 18, No 1, pp. 113-127, ISSN 0354-9836	M22
3.	Dorić J., Klinar I.: ***Efficiency characteristics of a new Quasi-Constant Volume Combustion spark ignition engine***, Thermal Science, 2013, Vol. 17, No 1, pp. 119-133, ISSN 0354-9836, UDK: 651	M22
4.	Dorić J., Klinar I.: ***The realisation and analysis of a new thermodynamic cycle for internal combustion engine***, Thermal Science, 2011, Vol. 15, No 4, pp. 961-974, ISSN 0354-9836	M22
5.	Galamboš S., Nikolić N., Ružić D., Dorić J.: ***An approach to CFD air flow simulation in the IC engine intake manifold***, Thermal Science, 2019, DOE: https://doi.org/10.2298/TSCI180707063G	M22
6.	Nakomčić-Smaragdakis B., Čepić Z., Živančev (Šenk) N., Dorić J., Radovanović Petrovi Lj.: ***Use of scrap tires in cement production and their impact on nitrogen and sulfur oxides emissions***, Energy Sources Part A-Recovery Utilization and Environmental Effects, 2016, Vol. 38, No 4, pp. 485-493, ISSN 1556-7036, UDK: DOI 10.1080/15567036.2013.787473	M23
7.	Adamović D., Dorić J., Vojinović-Miloradov M.: ***BTEX in the Exhaust Emissions of Motor Vehicles***, New York, Springer New York Heidelberg Dordrecht London, 2013, str. 333-343, ISBN 978-1-4614-7587-3, UDK: DOI 10.1007/978-1-4614-7588-0	M13
8.	Nikolić N., Torović T., Antonić Ž., Dorić J.: ***An Algorithm for Obtaining Conditional Wear Diagram of IC Engine Crankshaft Main Journals***, FME Transactions, 2011, Vol. 39, No 4, pp. 157-164, ISSN 1451-2092	M24
9.	Čavić M., Penčić M., Rackov M., Dorić J., Lu Z.: ***Graphical Synthesis of 6-bar Dwell Linkage Mechanism***, FME Transactions, 2019, VOL. 47, No 2, pp. 226-233 ISSN 1451-2092	M24
10.	Nikolić N., Dorić J., Stojić B.: ***A computer program for IC engine crankshaft main bearings wear diagrams***, 10. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Novi Sad, 6-8 Jun, 2018, ISBN 1757-899X	M33
11.	Nikolić N., Antonić Ž., Dorić J., Jocanović M.: ***INFLUENCE OF LOAD AND OIL VISCOSITY ON STRIBECK CURVE SHAPE FOR LONG JOURNAL BEARING***, 9. International Conference on Innovative Technologies IN-TECH, Zagreb: Faculty of Engineering, University of Rijeka, 5-7 September, 2018, pp. 13-16	M33
12.	Raspopović N., Dorić J., Grujić I., Nikolić N.: ***ANALYSIS OF HYBRID TURBOCHARGER IN MOTOR VEHICLE IC ENGINE***, 6. International Congress Motor Vehicles Motors - MVM, Kragujevac: Faculty of Engineering, University of Kragujevac, 6-8 October, 2016, pp. 219-226, ISBN 978-86-6335-055-7	M33

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	24 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	6	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant	*Member of the M070 Commission (IC Engines) of the Serbian Standardization Institute*	

First name and surname		**DRAGAN A. RUŽIĆ**	
Rank		Associate professor	
Specialized scientific field		Motor Vehicles and IC Engines	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2019	Faculty of Technical Sciences in Novi Sad	Motor Vehicles and IC Engines
Doctorate	2013	Faculty of Technical Sciences in Novi Sad	Motor Vehicles
Magister degree	2006	Faculty of Technical Sciences in Novi Sad	Motor Vehicles
Master's degree			
Engineer's degree	1999	Faculty of Technical Sciences in Novi Sad	Motor Vehicles

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Mujan I., Anđelković A., Munćan V., Kljajić M., Ružić D: ***Influence of Indoor Environmental Quality on human Health and Productivity - A Review***, Journal of Cleaner Production ISSN: 0959-6526, 217, pp. 646-657, 2019.	M21a
2.	Galamboš S., Nikolić N., Ružić D., Dorić J: ***An Approach to CFD Air Flow Simulation in the IC Engine Intake Manifold***, Thermal Science - International Scientific Journal, doi.org/10.2298/TSCI180707063G, 2019.	M22
3.	Ružić D., Bikić S.: ***An Approach to Modelling a Virtual Thermal Manikin***, Thermal Science - International Scientific Journal, 18 (4), pp.1413-1423, 2014.	M22
4.	Mačužić S., Lukić J., Ružić D.: ***Three-Dimensional Simulation of the McPherson Suspension System***, Technical Gazette 25 (5) pp. 1286-1290, doi.org/10.17559/TV-20161215093920, 2018.	M23
5.	Ružić D.: ***Influence of the Ventilation System Setting in the Passenger Car on the Local Thermal Sensation of a Driver***, Journal of Thermal Science and Technology, 35 (1), pp. 125-134, 2015.	M23
6.	Ružić D., Simikić M: ***Geometry characteristics of human body model suitable for simulation of thermal comfort in an agricultural vehicle***, The 9th International Symposium - KOD 2016 – Machine and Industrial Design in Mechanical Engineering, pp. 131-136, 2016.	M33
7.	Ružić D., Galamboš S.: ***Thermal radiation between the driver and the vehicle cabin interior***, VI International Congress Motor Vehicles & Motors - MVM, pp. 331-338, 2016.	M33
8.	Stojić B., Ružić D., Poznić A.: ***Application of Some Advanced Computational Tools in Automotive Engineering***, 25. Nauka i motorna vozila, Beograd: JUMV, pp. 306-320, 2015.	M33
9.	Ružić D., Stojić B.: ***Strategies of Improving the Air-Conditioning Efficiency in Hybrid and Electric Vehicles***, V International Congress Motor Vehicles&Motors 2014, Kragujevac, pp. 525-533, 2014.	M33
10.	Ružić D., Časnji F., Poznanović N.: ***The human model for the simulation of thermal conditions in vehicle cabin***, IV International Congress Motor Vehicles&Motors 2012, pp. 487-498, 2012.	M33
11.	Ružić D., Časnji F.: ***Thermal Interaction Between a Human Body and a Vehicle Cabin***, in: Heat Transfer Phenomena and Applications, ed. Salim N. Kazi, ISBN 978-953-51-0815-3, InTech, Rijeka, pp. 295-318, 2012.	M45
12.	Ružić D., Stepanov B.: ***Estimation of heat flux caused by solar irradiation on a driver of passenger car using numerical simulation***, Journal of Applied Engineering Science, 11 (4), pp. 169-176, 2013.	M51

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	23 (*source Matica Srpska Library*)	
Total number of papers on the SCI (or SSCI) list	5	
Current participation in projects	Domestic: 2	International: 0

Professional development

01/04 – 30/04/2016 Visit to the University of Bologna, Italy, at the Department of Industrial Engineering - Computational thermo-fluid-dynamics Laboratory (CTFD), as part of the Erasmus Mundus SUNBEAM programme.

Other information considered relevant	

First name and surname		**JELENA D. STEFANOVIĆ MARINOVIĆ**	
Rank		Associate professor	
Specialized scientific field		Mechanical Design	
Academic career	**Year**	**Institution**	**Specialized scientific field**
Election to rank	2015	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2008	Faculty of Mechanical Engineering in Niš	Mechanical Design
Magister degree	1997	Faculty of Mechanical Engineering in Niš	Mechanical Design
Master's degree			
Engineer's degree	1991	Faculty of Mechanical Engineering in Niš	Energetics

List of dissertations-doctoral art projects in which the professor is currently engaged or was engaged as a doctoral advisor in the previous 10 years

№	Dissertation-doctoral art project title	Candidate's name	*submitted proposal	**defended

*The year in which the proposal of the dissertation-doctoral art project was submitted (only for ongoing dissertations-doctoral art projects), **The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)

Categorization of the publication of scientific papers within the field of the given study programme in line with the classification of the corresponding Ministry of Education, Science and Technological Development, in accordance with the additional standard requirements for the given field (minimum 5 not more than 20)

1.	Milovančević M., Stefanović-Marinović J., Nikolić J., Kitić A., Shariti M., Thoi Trung N., Wakil K., Khorami M.: ***UML diagrams for dynamical monitoring of rail vehicles***, Physica A: Statistical Mechanics and its Applications (2019),Vol. 531, pp 1-7.	M22
2.	Jelena Stefanović-Marinović, Sanjin Troha, Miloš Milovančević: ***Sensitivity of optical measuring system for the determination of optimal reversible two-speed planetary gear train for machine tool gearboxes***, MAPAN Journal of Metrology Society of India, (2019), https://doi.org/10.1007/s12647-019-00358-0,	M23
3.	Stefanović-Marinović J., Petković M, Stanimirović I**.: *Application of the electre method to planetary gear train optimization***, Journal of Mechanical Science and Technology (2015), 29 (2), 647-654.	M23
4.	Stefanović-Marinović, J., Petković, M., Stanimirović, I., Milovančević, M.: ***A model of planetary gear multicriteria optimization***, Transactions of FAMENA, (2011), Vol 35, No 4, pp 21-34, 2011.	M23
5.	Milovančević, M., Stefanović-Marinović J., Anđelković B., Veg A.: ***Embedded condition monitoring of power transmission of a pellet mill***, Transactions of FAMENA, (2010), Vol 34, No 2, pp 71-80.	M23
6.	Stefanović-Marinović J., Troha S., Anđelković B., Milovančević M.: ***Efficiency of planetary gear trains as criterion for optimal solution selection***, Machine Design, (2018) Vol 10, No. 3, pp. 93-98	M52
7.	Stefanović-Marinović, J., Milovančević, M.: ***The optimization possibilities at the planetary gear trains***, Journal of Mechanics Engineering and Automation, (2012), 2, pp. 365-373.	M24
8.	Milovančević, M., Veg, A., Makedonski, A., Stefanović-Marinović J.: ***Embedded systems for vibration monitoring***, Facta Universitatis, Series: Mechanical Engineering, (2014) Vol. 12, No 2, pp. 171 - 181.	M24
9.	Stefanović-Marinović J., Troha S., Milovančević M.: ***An application of multicriteria optimization to the two-carrier two-speed planetary gear trains ,*** Facta Universitatis, Series: Mechanical Engineering, (2017) Vol 15, No 1,pp. 85-95	M24

Cumulative data on the scientific activity of the professor

Total number of citations, excluding self-citations	25 (*source Scopus*)	
Total number of papers on the SCI (or SSCI) list	5	
Current participation in projects	Domestic: 2	International: 0
Professional development		
Other information considered relevant		