

Monografija međunarodnog značaja (M12)

Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja (M13)

1. Đorđević, Dragoljub B. „POLICY AND PRACTICE OF ROMANI INCLUSION IN THE EDUCATION SYSTEM OF THE REPUBLIC OF SERBIA.“ In *Formal and informal education for Roma: different models and experience*, 110-117. Ljubljana: Inštitut za narodnostna vprašanja, 2012. ISBN 978-961-6159-41-8

Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja (M14)

1. Milovanovic Jelena, Milos Stojkovic and Miroslav Trajanovic, **METAL LASER SINTERING FOR RAPID TOOLING IN APPLICATION TO TYRE TREAD PATTERN MOULD**, Chapter in "Sintering - Methods and Products", Editor Volodymyr Shatokha, InTech, March, 2012, pp 73-90, <http://www.intechopen.com/books/sintering-methods-and-products>
2. Mijajlović Miroslav and Dragan Milčić (2012). **ANALYTICAL MODEL FOR ESTIMATING THE AMOUNT OF HEAT GENERATED DURING FRICTION STIR WELDING: APPLICATION ON PLATES MADE OF ALUMINIUM ALLOY 2024 T351**, Welding Processes, Radovan Kovačević (Ed.), ISBN: 978-953-51-0854-2, InTech, pp. 247-274.
3. Petković, D., Pavlović, N. D., **A NEW PRINCIPLE OF ADAPTIVE COMPLIANT GRIPPER**, *Mechanisms, Transmissions and Applications, Series: Mechanisms and Machine Science*, Vol. 3, XVI, pp. 143-150, Springer, ISBN 978-94-007-2726-7, 2012.

Leksikografska jedinica ili karta u naučnoj publikaciji vodećeg međunarodnog značaja (M15)

Leksikografska jedinica ili karta u publikaciji međunarodnog značaja (M16)

Uređivanje naučne monografije ili tematskog zbornika vodećeg međunarodnog značaja (M17)

Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja (M18)

Rad u vrhunskom međunarodnom časopisu (M21)

1. Čojbašić Ž., Brkić D. (2012), **VERY ACCURATE EXPLICIT APPROXIMATIONS FOR CALCULATION OF THE COLEBROOK FRICTION FACTOR**, International Journal of Mechanical Sciences, DOI:10.1016/j.ijmesci.2012.11.017
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3. Hedrih (Stevanović) K R. and Simonović J, **MULTI-FREQUENCY ANALYSIS OF THE DOUBLE CIRCULAR PLATE SYSTEM NON-LINEAR DYNAMICS**, Nonlinear Dynamics, (2012), vol. 67 br. 3, str. 2299-2315, 2012 Springer, ISSN 0924-090X
4. Jablan S., Radović L., Sazdanović R., Zeković A., **MIRROR-CURVES AND KNOT MOSAICS**, Computers & Mathematics with Applications, 2012, 64(4):527-543
5. Lukić S., Čojbašić 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
6. Marinković, D., Marinković, Z., **ON FEM MODELING OF PIEZOELECTRIC ACTUATORS AND SENSORS FOR THIN-WALLED STRUCTURES**, Smart Structures and Systems, An International Journal, Techno-Press, Vol. 9, No. 5, pp 411 ÷ 426, 2012.
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8. Mikulčić, H, Milan Vujanović, Dimitris K. Fidasrosb, Peter Prieschingc, Ivica Minićd, Reinhard Tatschlc, Neven Duić, Gordana Stefanović, **THE APPLICATION OF CFD MODELLING TO SUPPORT THE REDUCTION OF CO2 EMISSIONS IN CEMENT INDUSTRY**, Energy, Volume 45, Issue 1: 464-473 (2012)
9. Pavlović, R., P. Kozić, I. Pavlović.: **DYNAMIC STABILITY OF A DOUBLE-BEAM SYSTEM SUBJECTED TO RANDOM FORCES. INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES**, 2012, Vol. 62, pp. 111-119.
10. 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), pp. 9477-9482, 2012.
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15. Vučićević Biljana, Mladen Stojiljković, Naim Afgan, Valentina Turanjanina, Marina Jovanović, Vukman Bakić, **SUSTAINABILITY ASSESSMENT OF RESIDENTIAL BUILDINGS BY NON-LINEAR NORMALIZATION PROCEDURE**, Energy and Buildings, Reference: ENB3948, Journal title: Energy & Buildings, Corresponding author: Ms. Biljana Vucicevic, First author: Ms. Biljana Vucicevic, Online publication complete: 11-DEC-2012, DOI information: 10.1016/j.enbuild.2012.10.012, <http://dx.doi.org/10.1016/j.enbuild.2012.10.012>,
16. Zdravković Milan, 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
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1. Dudić,S., Ignjatović,I., Šešlija,D., Blagojević,V., StojiljkovićM., **LEAKAGE QUANTIFICATION OF COMPRESSED AIR USING ULTRASOUND AND INFRARED THERMOGRAPHY**, Measurement, Volume 45(7), pp. 1689-1694, 2012
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[http:// www.academicjournals.org/ijps/contents/2012cont/16%20Apr.htm](http://www.academicjournals.org/ijps/contents/2012cont/16%20Apr.htm)
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<http://www.mechanika.ktu.lt/index.php/Mech/issue/view/173>
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Naučna kritika i polemika u međunarodnom časopisu (M26)

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Saopštenje sa međunarodnog skupa štampano u izvodu (M34)

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4. Simonović. J., **NUMERICAL ANALYSIS OF NON-LINEAR DYNAMICS IN DOUBLE PLATES SYSTEMS WITH ROLLING VISCO-ELASTIC COUPLING**, Proceedings of the First ECCOMAS Young Investigators Conference on Computational Methods in Applied Sciences in conjunction with the ECCOMAS 2nd PhD Olympiad held in Aveiro, Portugal , 24-27 April 2012 , pp. 104, (2012).
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Autorizovana diskusija sa međunarodnog skupa (M35)

Uređivanje zbornika saopštenja međunarodnog naučnog skupa (M36)

Istaknuta monografija nacionalnog značaja (M41)

Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta u obliku monografije (samo za stare jezike) (M42)

Monografska bibliografska publikacija (M43)

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Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja, prevod izvornog teksta u obliku studije, poglavlja ili članka, prevod ili stručna redakcija prevoda naučne monografske knjige (samo za stare jezike) (M44)

1. Đorđević. Dragoljub B. i Vladan Petrović. „**CAKANOVAC (PREŠEVO)**.“ U „**SELO U POGRANIČJU ISTOČNE I JUGOISTOČNE SRBIJE**“, priredili Dragoljub B. Đorđević, Đura Stevanović i Dragan Todorović, 23-28. Beograd: Službeni glasnik i Zavod za proučavanje sela, 2012. ISBN 978-86-87067-11-0, ISBN 978-86-519-1213-2; COBISS.SR-ID 192619020

Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja (M45)

Leksikografska jedinica u naučnoj publikaciji vodećeg nacionalnog značaja, karta u naučnoj publikaciji nacionalnog značaja, izdanje građe u naučnoj publikaciji (M46)

Leksikografska jedinica u naučnoj publikaciji nacionalnog značaja (M47)

Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije vodećeg nacionalnog značaja (M48)

Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije nacionalnog značaja (M49)

Rad u vodećem časopisu nacionalnog značaja (M51)

1. Janošević D., Milić P., Marković D., Nikolić V., (2012), **OPTIMIZATION OF KINEMATIC CHAIN PARAMETERS IN HYDRAULIC EXCAVATORS**, Journal IMK-14 – Research and development, Journal of Institute IMK “14 Oktobar” Kruševac, ISBN 0354-6829, Vol.18, No.2, pp. 43-47
2. Jovanović,M., G.Radoičić, B.Grigorov, R.Mitrev, **TRANZIJENTNOM SIMULACIJOM DO SPECIJALNOG DIZAJNA STRUKTURA**, IMK-14 – Istraživanje i razvoj, UDK 621 ISSN 0354-6829, Vol.18(2012), No.4, SR101-108, pp. SR101 - SR107
3. Jovanović M., Radoičić G., Petrović G., Marković D., **DYNAMICAL MODELS QUALITY OF TRUSS SUPPORTING STRUCTURES**, Facta Universitatis - Series Mechanical Engineering, Vol.9 No2, 2012, University of Niš, pp. 137-148, ISBN 0354-2025.
4. Madić M., Marković D., Radovanović M., **PERFORMANCE COMPARISON OF METAHEURISTIC ALGORITHMS FOR TRAINING ARTIFICIAL NEURAL NETWORKS IN MODELLING LASER CUTTING**, International Journal of Advanced Intelligence Paradigms, Vol. 4, No. 3/4, pp. 299-312
5. Madić M., Radovanović M., **AN ARTIFICIAL INTELLIGENCE APPROACH FOR THE PREDICTION OF SURFACE ROUGHNESS IN CO₂ LASER CUTTING**, Journal of Engineering Science and Technology, Vol. 7, No. 6, 2012, pp. 773-783
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7. Madić M., Radovanović M., Nedić B., **MODELING AND OPTIMIZATION OF CO₂ LASER CUTTING OF STAINLESS STEEL USING RSM AND GA**, Nonconventional Technologies Review, 2012, No. 4, pp. 9-14
8. Marinković,D., Marinković,Z., Petrović,G., **ON EFFICIENCY OF A SINGLE-LAYER SHELL ELEMENT FOR COMPOSITE LAMINATED STRUCTURES**, The Scientific journal FACTA UNIVERSITATIS, Series Mechanical Engineering, Vol. 10, N^o2, ISSN 0354-2025, University of Niš, Niš, 2012., pp. 115-122
9. Marković,G., Marinković,Z., Tomić,V., **THE ROLE AND DESIGN OF MODERN ORDER PICKING SYSTEMS IN REGIONAL LOGISTICS CENTRE**, Journal IMK-14 – Research and development, Journal of Institute IMK “14 Oktobar” Kruševac, Vol. 18 , No 3, ISSN 0354-6829,2012, pp. 81-88.
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11. Radišić, S.,Banić, M.,Miltenović,A., **DEVELOPMENT OF DEVICE FOR MEASURING THE FORCE IN GROUND ANCHORS USING TRIZ METHOD**, Annals of Faculty Engineering Hunedoara, Vol. X, No3, 2012, pp.338-338
12. Radovanović M., **OPTIMIZING CUTTING PARAMETERS BASED ON CUTTING FORCE IN TUBE TURNING USING TAGUCHI METHOD**, Nonconventional Technologies Review, 2012, No. 4, pp. 29-34
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1. Lukić M., Čojbašić Ž., Rabasović M.D., Markushev D. D, Todorović D. M. (2012), **COMPUTATIONAL INTELLIGENCE BASED SIMULTANEOUS DETERMINATION OF THE SPATIAL PROFILE OF THE LASER BEAM AND VIBRATIONAL-TO-TRANSLATIONAL RELAXATION TIME BY PULSED PHOTOACOUSTICS**, Facta Universitatis – Series Physics, Chemistry and Technology, Ref. No. FU0082011, accepted
2. Mijajlović, M., Milčić, D., Nikolić-Stanojević, V., Milčić, M.: **NUMERICAL SIMULATION OF FRICTION STIR WELDING ON AA 2024 T351 PLATES**, Scientific Publications of the State University of Novi Pazar, Series A: Applied Mathematics, Informatics and Mechanics, No 2, Volume 4, 2012, Novi Pazar, Serbia, ISSN 2217-5539, 65-70.
3. Tasić M. i D. Stamenković. **ODNOS METAFORE I KONTEKSTA U KOGNITIVNOJ LINGVISTICI**. Filolog 5: 234-247. 2012. ISSN 2233-1158. UDK 811.163.41'271/DOI 10.7251/FIL1205234T

Rad u naučnom časopisu (M53)

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2. Milovančević, M., Jelena Stefanović – Marinović, Boban Anđelković: **AXIOMATIC DESIGN OF SIGNAL ANALYSIS**, Machine Design, vol.4 [2012] no. 1, Faculty of technical sciences, University of Novi Sad, pp 53 – 58, ISSN 1821 – 1259
3. Miltenović, A., Banić, M., **COMPETENCE OF THE DEVELOPMENT ENGINEERS FROM ASPECT OF FUTURE TECHNOLOGIES**, Machine Design, Vol. 4, No. 4, 2012, pp.225-230
4. Radovanović M., **UTICAJ PARAMETARA OBRADNE NA SPECIFIČNU ENERGIJU REZANJA KOD UZDUŽNOG STRUGANJA ČELIKA Č.1531**, IMK-14-Istraživanje i razvoj, Vol. 18, No. 4, 2012, s.109-114
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6. Vulovic, S., N.Korunovic, M.Trajanovic, N.Grujovic, N. Vitkovic, **FINITE ELEMENT ANALYSIS OF CT BASED FEMUR MODEL USING FINITE ELEMENT PROGRAM PAK**, Journal of the Serbian Society for Computational Mechanics, Vol. 5, No. 2 (2012), Page 160-166, UDC: 611.718.087.3, ISSN/ISBN 1820-6530

Uređivanje vodećeg naučnog časopisa nacionalnog značaja (na godišnjem nivou) (M55)

Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou) (M56)

Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini (M61)

Predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu (M62)

1. Bogdanović-Jovanović J., **PRIMENA NUMERIČKIH SIMULACIJE PRI PROJEKTOVANJU I ISPITIVANJU TURBOMAŠINA**, Mechanics Colloquium, Matematički institute SANU, Odeljenje za mehaniku, 13. jun 2012.
http://www.mi.sanu.ac.rs/colloquiums/mechcoll_programs/mechcoll_jun2012.htm

Saopštenje sa skupa nacionalnog značaja štampano u celini (M63)

1. Korunović N., Trajanović M., Stojković M., Milovanović J., **PREMA POTPUNO FLEKSIBILNOM MKE MODELU PNEUMATIKA**, Naučno-stručni skup PneuMATici 2012, 20.12.2012, Beograd, Srbija, 2012, 43-49, ISBN 978-86-84231-30-9, COBISS SR-ID 195519244
2. Mijajlović, M., Milčić, M.: **FRICION STIR WELDING OF ALUMINIUM ALLOY 2024 T351**, Dan varilne tehnike 2012 – zbornik predavanj (Proceedings), Stanje in trendi razvoja v varilni tehniki, Zveza društvo za varilno tehniko Slovenije in Celjski sejem d.d., 15-18 Maj, 2012, Celje, Slovenija, ISBN 978-961-91552-8-8, 114-119.
3. Milčić, M., Mijajlović, M., Živković, D., **PROGRAMSKI SISTEM ZA PRORAČUN MAŠINSKIH ELEMENATA-PTD**, XI International Scientific – Professional Symposium INFOTEH®-JAHORINA 2012, INFOTEH-JAHORINA Vol. 11, Ref. PRS.8 (204), March 21 – 23, 2012, Jahorina, Bosnia and Herzegovina, ISBN 978-99938-624-8-2, 503-508
4. Milčić, D., Mijajlović, M., Milčić, M.: **EKSPERIMENTALNA ISTRAŽIVANJA ZAVARIVANJA TRENJEM SA MEŠANJEM NA LEGURI ALUMINIJUMA 2024 T351**, Dvadesetsedmo savetovanje sa međunarodnim učešćem "ZAVARIVANJE 2012" i "IBR 2012", Društvo za unapređivanje zavarivanja u Srbiji (DUZS), Zbornik radova na CD, Divčibare, 09 - 12. oktobar 2012, Srbija.
5. Milčić, M., Mijajlović, M., Živković, D., Miladinović, S.: **PRORAČUN NOSIVOSTI OSOVINA I VRATILA PREMA DIN 743**, 1st International Scientific Conference COMETA 2012 – Conference on Mechanical Engineering Technologies and Applications, Proceedings, Jahorina B&H, Republic of Srpska, 28th – 30th November, 2012, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, ISBN 978-99938-655-5-1, 277-284.
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7. Milutinović, B., Stefanović Gordana, Milošević Olivera, **OCENA EFIKASNOSTI SISTEMA UPRAVLJANJA OTPADOM NA AERODROMIMA U SRBIJI**, Međunarodna konferencija Otpadne vode, komunalni čvrst otpad i opasn otpad, Zbornik radova, str. 247-251, 2012, Čačak, ISBN 978-86-82931-49-2
8. Mladenović-Ranisavljević, I., Takić, L.J., Vuković, M., Nikolić, Đ., Živković, N., Milosavljević, P., **VIŠEKRITERIJUMSKO RANGIRANJE KVALITETA VODE DUNAVA NA TOKU KROZ SRBIJU**, Zbornik radova sa Majske konferencije o strategijskom menadžmentu, Bor, 2012., str. 1014-1021. ISBN: 978-86-80987-96-5.
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Saopštenje sa skupa nacionalnog značaja štampano u izvodu (M64)

1. Mijajlović,M., Milčić,M., Nikolić-Stanojević,V., Milčić,M.: **NUMERICAL SIMULATION OF FRICTION STIR WELDING ON AA 2024 T351 PLATES**, 2nd International Conference, Contemporary Problems of Mathematics, Mechanics and Informatics (CPMMI 2012), Book of Abstracts, Novi Pazar, Serbia, June 17-19, 2012.
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Autorizovana diskusija sa nacionalnog skupa (M65)

Uređivanje zbornika saopštenja skupa nacionalnog značaja (M66)

Odbranjena doktorska disertacija (M71)

1. Mijajlović, M.: **ISTRAŽIVANJE I RAZVOJ ANALITIČKOG MODELA ZA ODREĐIVANJE KOLIČINE GENERISANE TOPLOTE PRI POSTUPKU ZAVARIVANJA TRENJEM SA MEŠANJEM**, Univerzitet u Nišu, Mašinski fakultet u Nišu, disertacija odbranjena 15.06.2012.
2. Zdravkovic. M., **FORMAL FRAMEWORK FOR SEMANTIC INTEROPERABILITY IN SUPPLY CHAIN NETWORKS**. PhD Thesis. Defended at Faculty of Mechanical Engineering, University of Niš, 2012
3. Spasić Živan, **NUMERIČKO I EKSPERIMENTALNO ISTRAŽIVANJE UTICAJA OBLIKA PROFILA LOPATICA NA KARAKTERISTIKE REVERZIBILNIH AKSIJALNIH VENTILATORA**, doktorska disertacija, Mašinski fakultet Univerziteta u Nišu, Niš, 02.10.2012.
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Odbranjen magistarski rad (M72)

Novi proizvod ili tehnologija uvedeni u proizvodnju, priznat programski sistem, priznate nove genetske probe na međunarodnom nivou (uz dokaz), novo prihvaćeno rešenje problema u oblasti makroekonomskog, socijalnog i problema održivog prostornog razvoja recenzovano i prihvaćeno na međunarodnom nivou (M81)

Nova proizvodna linija, nov materijal, industrijski prototip, novo prihvaćeno rešenje problema u oblasti makroekonomskog, socijalnog i problema održivog prostornog razvoja uvedeni u proizvodnju (M82)

1. Miltenović, V., Velimirović, M., Banić, M., Temeljovski, D., Miltenović, A., Mijajlović, M., **SISTEM ZA PRESOVANJE DRVNOG OTPADA PELETIRANJEM**, Realizatori: Mašinski fakultet Univerziteta u Nišu, Korisnici: Hidraulika Flex d.o.o., Laktaši, Bosna i Hercegovina, 2012
2. Miltenović, V., Velimirović, M., Stefanović-Marinović, J., Banić, M., Miltenović, A., Kuzmanović, S., Anđelković, B., Mitić, D., Radić, M., Danković, N., **KOMBINOVANI VARIJATORSKI PRENOSNIK ZA PRENOS SNAGE KOD VETROGENERATORA**, Realizatori: Mašinski fakultet Univerziteta u Nišu, Elektronski fakultet Univerziteta u Nišu, Korisnici: Akcionarsko društvo Goša Fabrika opreme i mašina - GOŠA FOM A.D., 2012
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4. Pavlović, D.N., Pavlović, T.N., Milošević, M., Jovanović, S., Jovanović, D., Pavlović, V., Pavlović, M., **SISTEM ZA PROMENU NAPADNOG UGLA LOPATICA VETROGENERATORA**, Realizator: Mašinski fakultet Niš, Korisnik: Mikrotehnika d.o.o, 2012.
5. Nikolić V., Antić D., Čojbašić Jovanović Ž., Z., Čirić I., Nikolić S., Perić S., Milojković M., **HIBRIDNO UPRAVLJANJE VETRO TURBINAMA NOVE GENERACIJE BAZIRANO NA FAZI LOGICI, GENETSKIM ALGORITMIMA I ORTOGONALNIM POLINOMIMA**, Realizatori: Mašinski fakultet Univerziteta u Nišu, Elektronski fakultet Univerziteta u Nišu, Korisnici: **Istraživačko razvojni centar „ALFATEC“ Niš**. Rešenje urađeno 2012. godine; Usvojeno odlukom Nastavno-naučnog veća Mašinskog fakulteta u Nišu, odluka broj: 612-113/2013, od dana 25.01.2013, http://www.masfak.ni.ac.rs/uploads/articles/www2_hibridno_upravljanje.pdf

Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak (uz dokaz) (M83)

1. Mijajlović, M., Milčić, D., Jovanović, S., Jovanović, D.: **RADNO MESTO ZA EKSPERIMENTALNA ISTRAŽIVANJA POSTUPKA ZAVARIVANJA TRENJEM SA MEŠANJEM**, Projekat: **Istraživanje primene savremenih nekonvencionalnih tehnologija u proizvodnim preduzećima sa ciljem povećanja efikasnosti korišćenja, kvaliteta proizvoda, smanjenja troškova i uštede energije i materijala**; Evidencioni broj projekta: TR 35034; Rukovodilac projekta: Prof. dr Miroslav Radovanović, Rešenje urađeno 2012. godine; Usvojeno odlukom Nastavno-naučnog veća Mašinskog fakulteta u Nišu, odluka broj: 612-113-2-7/2013, od dana 28.01.2013, http://www.masfak.ni.ac.rs/uploads/articles/www2_radno_mesto_za_eksperimentalna_istrazivanja.pdf,

Bitno poboljšani postojeći proizvod ili tehnologija (uz dokaz), novo rešenje problema u oblasti mikroekonomskog, socijalnog i problema održivog prostornog razvoja recenzovano i prihvaćeno na nacionalnom nivou (M84)

1. Bogdanović, B. Živan Spasić, Dragica Milenković, Jasmina Bogdanović-Jovanović, **NISKOPRITISNI AKSIJALNI REVERZIBILNI VENTILATOR SA PRAVIM PROFILIMA LOPATICA**, Niš.
2. Lazarević, D., **HIDRAULIČNI OBLIKUJUĆI TRN ZA ROTACIONO SUŽAVANJE**, Realizator: Mašinski fakultet u Nišu, potencijalni korisnik: Matalac-Cookware d.o.o.G.Milanovac

Prototip, nova metoda, softver, standardizovan ili atestiran instrument, nova genska proba, mikroorganizmi (uz dokaz) (M85)

1. Trajanović, M., dr Miodrag Manić, dr Stojanka Arsić, dr Miloš Stojković, dr Nikola Korunović, mr Jelena Milovanović, Marko Veselinović, Dalibor Stevanović, **FEMONECK - METODA DIGITALNE REKONSTRUKCIJE GEOMETRIJE SPOLJAŠNJE OBVOJNICE VRATA BUTNE KOSTI KORIŠĆENJEM KORISNIČKI DEFINISANIH GEOMETRIJSKIH ELEMENATA**
2. Trajanović, M., Nikola Vitković, Marko Veselinović, mr Jelena Milovanović, dr Nikola Korunović, dr Dragan Mišić, Milan Trifunović, **DEFINISANJE 3D MODELA NEDOSTAJUĆIH DELOVA KOSTIJU NA OSNOVU 3D MODELA KOSTIJU I OSTEOFIKSACIONOG MATERIJALA UPOTREBOM MAF METODE**
3. Milošević, M., Milojević, A., Tomić, M., Jovanović, D., Popić, S., Đorđević, G., **NOVO REŠENJE ZA POZICIONIRANJE RADIOGRAFSKOG SISTEMA**, Realizator **Mašinski fakultet u Nišu**, Korisnik **Elektronski fakultet u Nišu i Centar za radiologiju Kliničkog centra u Nišu**, 2012
4. Janošević, D., Nikolić Jovanović V., Milić P., Petrović N., Pavlović J., **SOFTVERSKI PAKET ZA OPTIMALNU SINTEZU POGONSKIH MEHANIZAMA HIDRAULIČKIH BAGERA**
5. Nikolić V., Čojbašić Ž., Ćirić I., Tomić M., Petrović E., Milojević A., **INTELIGENTNO UPRAVLJANJE MOBILNOM ROBOTSKOM PLATFORMOM ZASNOVANO NA ROBOTSKOJ VIZIJI I PREPOZNAVANJU OBJEKATA**, Realizatori: **Mašinski fakultet Univerziteta u Nišu**, Korisnici: **“BENGAZI DOO” Niš**. Rešenje urađeno 2012. godine; Usvojeno odlukom Nastavno-naučnog veća Mašinskog fakulteta u Nišu, odluka broj: 612-113/2013, od dana 25.01.2013, http://www.masfak.ni.ac.rs/uploads/articles/www2_inteligentno_upravljanje

Kritička evaluacija podataka, baza podataka, prikazani detaljno kao deo međunarodnih projekata, publikovani kao interne publikacije ili prikazani na internetu (M86)

Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou (M91)

Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo (M92)

Autorska izložba sa katalogom uz naučnu recenziju (M93)