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**Ужа научна област:** Производни системи и технологије

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- N. Vitkovic, M. Manić, S. Randelović, N. Korunović, R. Turudija, **A. Trajković**, J. Arandelović, “Geometrical Modeling of Extruder Screws Utilizing the Characteristic Product Features Method in CAD,” Journal of Engineering Management and Systems Engineering, 2024, Vol. 3, No.2, pp. 93-99. doi: <https://doi.org/10.56578/jemse030204>
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- **Trajković**, P. Janković, M. Madić, and M. Trifunović, “OVERVIEW OF SURFACE ROUGHNESS PARAMETERS SIGNIFICANT IN THE ANALYSIS OF THE MACHINED SURFACE BY TURNING,” Advanced technologies in mechanical engineering, 2024, pp. 47-48. [Online]. M33. Available:  
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- D. Stojiljković, R. Turudija, N. Despenić, **A. Trajković**, M. Despenić, N. Pavlović, Lj. Radović, “Exploring the relationship between geometric parameters and output force in compliant mechanisms,” The International Journal of Advanced Manufacturing Technology, 2025. [Online]. M22. Available: doi: 10.1007/s00170-025-15569-w.

#### Текући пројекти:

- BIOMEDIX - Biomedical Innovations through Digital Transformation of Additive Technologies and Knowledge Exchange, Funded by the European Union, 2024 – 2027, <https://bini.rtu.lv/biomedix/>

#### Ангажовање на предметима:

##### Основне академске студије

Машински материјали

Производни процеси

Менаџмент технолошким развојем

Управљање ризиком

Алати и прибори

Теорија одлучивања

##### Мастер академске студије

Моделирање и оптимизација обрадних система