

Curriculum Vitae

prof. dr Tatjana Šibalija



Lične informacije

Ime i prezime

E-mail

Nacionalnost

Tatjana Šibalija

tsibalija@gmail.com ; tatjana.sibalija@metropolitan.ac.rs

Republika Srbija

Radno iskustvo

Metropolitan Univerzitet, Beograd, Fakultet za informacione tehnologije, Fakultet za menadžment 2013-

- Redovni profesor (oblast: informacioni sistemi; oblast: operacioni menadžment) Septembar 2016

Predmeti:

- Doktorske akademske studije: "Veštačka inteligencija"; "Eksperimentalno računarstvo"; "Metodologija strateškog planiranja razvoja proizvoda"; "Metodologija naučnoistraživačkog rada"
- Master akademske studije: "Strategija i upravljanje informacionim sistemima"; "Metodologija za upravljanje poslovnim procesima";
- Osnovne akademske studije: "Revizija i kontrola IT sistema"; "Planiranje i analiza procesa"; "Upravljanje poslovnim procesima"; "Poboljšanje procesa"; "Informacioni sistemi organizacija"; "Strategija operacija"

- Član Senata Metropolitan Univerziteta

- Vanredni profesor

Septembar 2013

European Commission, Brussels, Belgium, European Union (Special Service Agreement) 2009 -

- Ekspert / savetnik: FP7 / Horizon 2020 / Horizon Europe – praćenje realizacije projekata; ocenjivanje i selekcija projekata; izvestilac za EC DG

Research Directorate General (DG); DG for Research & Innovation; DG for Communications Networks, Content and Technology; Nanosciences, Nanotechnologies, Materials & New Production Technologies (NPM) / ICT – Factories of Future (FoF) programme

Precise Corporation Co., Ltd., Bangkok 2013 - 2017

- Viši savetnik i tehnički direktor projekata:

- "Industry 4.0 concept, infrastructure development, and implementation in Precise Ltd."
- "ICT-enabled Intelligent Manufacturing"

Evropski Univerzitet, Beograd, Fakultet za inženjerski internacionalni menadžment 2010 –2013

- Vanredni profesor

Novembar 2012

Predmeti: "Upravljanje kvalitetom"; "Industrijsko inženjerstvo"; "Upravljanje novim tehnologijama i inovacijama"; "Menadžment znanja", "Teorija odlučivanja"; "Kvantitativne metode"

- Docent

Septembar 2010

Gazpromneft – Naftna Industrija Srbije (NIS), NIS Petrol, Beograd 2008 – 2010

- Ekspert koordinator, Direkcija za razvoj i investicije

Koordinacija, kontrola, tehnički i finansijski nadzor razvojnih i investicionih projekata u rafinerijama nafte Pančevo i Novi Sad

Mašinski fakultet Univerziteta u Beogradu (honorarni angažman) 2007 - 2009

- Saradnik u nastavi (honorarni angažman)

Katedra za proizvodno mašinstvo; predmeti: "Upravljanje kvalitetom proizvoda"; "Proizvodne tehnologije i metrologija"

ST Microelectronics, Malta 2002 – 2005

- Rukovođenje proizvodnom linijom: *Flexiwatt assembly line (Front End)*

2003 – 2005

(Odgovornost: procesi proizvodnje/montaže, inženjerstvo, upravljanje kvalitetom, menadžment lanca snabdevanja, održavanje opreme, proizvodnja, itd.)

- "Statistical Process Control" champion (rukovodilac za statističko upravljanje procesima)

- "Total Productive Maintenance" koordinator (rukovodilac za ukupno produktivno održavanje)
 - Dobitnik nagrade "L.Romano Best Inventor Award" (ST Worldwide Manufacturing Excellence)
 - Dobitnik nagrade "ST Microelectronics, Malta -Technological Award 2003"
 - Inženjer odgovoran za proizvodni proces: *Wire Bonding* 2002 – 2003
(Odgovornost: proizvodni procesi, inženjerstvo & kvalitet, održavanje opreme i proizvodnja)
 - "Statistical Process Control" champion
- Termoelektro-Projekt, Beograd 2000 – 2002
- Inženjer / vodeći inženjer; specijalista za zavarivanje
- Projektovanje tehnologija zavarivanja za sve projekte u kompaniji (npr. rekonstrukcije i modernizacije rafinerija, termo-elektrana, različitih fabrika, itd.) u zemlji i inostranstvu
- AMS Osiguranje, Beograd 1998 – 2000
- Inženjer za procenu šteta na motornim vozilima

Obrazovanje / diplome, sertifikati i uverenja

- Mašinski fakultet Univerziteta u Beogradu, Beograd; Odsek: Proizvodno mašinstvo
- Doktor tehničkih nauka (2007- 2009)
Doktorska disertacija: Razvoj modela inteligentnog projektanta procesa za primenu Taguchi metoda
 - Magistar tehničkih nauka (2000-2005)
Magistarska teza: Primena Taguchi modela za unapređenje kvaliteta proizvoda
 - Diplomirani mašinski inženjer (1992-1998)
Tema: Nove mašine i metodi za izradu alata
- Politecnico di Milano, Faculty of Mechanical Engineering, Manufacturing and Production Systems*
- Studijski boravak po pozivu – stručno usavršavanje (2007) (Stipendija vlade Republike Italije)
- Srpski menadžment centar (SMC) / *International project management association (IPMA)*, Beograd
- Sertifikat: MS Office Project Server 2007 (2010)
- "Lloyd's Register Quality Assurance Ltd." (LRQA), London
- Sertifikat br. 06-4433: ISO 9000:2000 Serie Auditor / Lead Auditor (Vodeći proverivač) (2008)
- Institut za nuklearne nauke "Vinča", Centar za permanentno obrazovanje, Beograd
- Sertifikat: Internet programiranje (2002)
 - Sertifikat: Advanced Visual Basic 6, DB&OOP – Razvoj desktop aplikacija (2001)
- Institut "Kirilo Savić", Beograd
- Sertifikat: Inženjer specijalista zavarivanja (2000)

Članstvo u profesionalnim asocijacijama

- Registrovani savetnik Evropske banke za obnovu i razvoj (*European Bank for Reconstruction and Development - EBRD*), 2012 -
- Potpredsednik nacionalnog tima Evropske tehnološke platforme ManuFuture (*European Technology Platform for Future Manufacturing Technologies*) - EU, 2011 -
- Potpredsednik Alijanse Jugo-istočne Evrope za proizvodnju u okviru ManuFuture Evropske tehnološke platforme - *SouthEast Europe Alliance for Manufacturing - ManuFuture Village*, 2011-
- Predsednik JUSK Naučno-tehničkog Komiteta za Šest sigma i modele unapređenja poslovnih procesa, 2018 -
- Član glavnog odbora JUSK-a, 2009 -
- Član nacionalnog tima Evropske tehnološke platforme ManuFuture - EU, 2006 -
- Predsednik JUSK Naučno-tehničkog Komiteta za Šest sigma, 2005 -
- Član Jedinstvenog udruženje Srbije za kvalitet (JUSK), 2003 –

Publikacije i recenzije

- 6 monografija / knjiga; 8 poglavlja u knjigama od međunarodnog značaja
- Preko 130 radova objavljenih u recenziranim međunarodnim časopisima / prezentovanih na recenziranim međunarodnim konferencijama
- Predsedavanja nizom konferencija, konferencijskih sesija i okruglih stolova/radionica na međunarodnim naučnim skupovima
- Veći broj predavanja po pozivu održanih na međunarodnim naučnim konferencijama
- Član programskog odbora / naučnog komiteta preko 40 međunarodnih naučnih konferencija
- Dobitnik 8 nagrada
- Savetnik / ekspert za praćenje realizacije projekata FP7 / H2020, European Commission, Directorate General for Communications Networks, Content and Technology (DG CONNECT)
 - COALA (H2020, grant agreement no. 957296), 2021 -
 - DIH-World (H2020, grant agreement no. 952176), 2020-
 - Secure IoT(H2020, grant agreement no.779899), 2019-
 - ADALAM (H2020, grant agreement no. 637045), 2018
 - MIDIH (H2020, grant agreement no. 767498), 2018 -
 - ENCOMPASS (H2020, grant agreement no. 723833), 2018 -
 - CAxMan (H2020, grant agreement no. 680448), 2017, 2018
 - MOTOR (H2020, grant agreement no. 678727), 2017, 2018
 - BEinCPPS (H2020, grant agreement no. 680633), 2016, 2017, 2018
 - Fortissimo 2 (H2020, grant agreement no. 680481), 2016, 2017
 - Fortissimo (FP7, grant agreement no. 609029), 2014 - 2017
- Recenzent predloga projekata u programima FP7 / Horizon 2020 - European Commission (EC)
 - EC, European Institute of Innovation and Technology (EIT), European Institute of Technology - Horizon 2020
 - EC, Directorate General for Communications Networks, Content and Technology (DG CNECT) / Directorate General for Research & Innovation (DG R&I) - Horizon 2020, Horizon Europe
 - European Health and Digital Executive Agency (HADEA) - Horizon Europe
 - EC, Research Directorate General - Information and Communication Technologies (ICT) / Nanosciences, Nanotechnologies, Materials & New Production Technologies (NPM) – FP7
- Recenzent predloga projekata: Eureka / Eurostar; EMRP / EMPIR (EURAMET – European Association of National Metrology Institutes); M-ERA.NET (European research programmes in materials science and engineering); ERA.NET ; COST; Fund for Scientific Research – FNRS, itd.
- Recenzent većeg broja (preko 20) vodećih međunarodnih naučnih časopisa (SCI / ISI lista)
- Član uređivačkog odbora nekolicine recenziranih naučnih časopisa
- Uređivanje tri istaknute naučne monografije međunarodnog značaja

Veštine i znanja

Maternji jezik

Strani jezici (*samo-ocenjivanje*)

Engleski

Italijanski

Ostale veštine

Srpski

Razumevanje		Govor	Pisanje
Slušanje	Čitanje		
5	5	5	5
2	1	1	1

(5-odlično; 1 – osnove)

Visoki nivo korištenja računara:

- Windows 9x / 2k / XP / Vista / 7; Microsoft Office 9x / 2k / XP / 2010 / 2013
- Matlab 6 / 7 / R2011 / R2015; Minitab 14 / 15 / 16 / 17; SPSS Statistics 23 & AMOS
- AutoCAD 14 / 2000 / 2002 / 2005
- MS Project – MS Project Professional – MS Project Server 2007
- MS SQL Server, Visual Basic, Visual Basic for Application (VBA), ASP
- Macromedia Dreamweaver / Flash; Adobe Photoshop, itd.

Prilozi

- Izbori u nastavna i naučna zvanja

- Bibliografija radova i elementi za kvalitativnu ocenu naučnoistraživačkog rada rangirani u skladu sa *Pravilnikom o sticanju istraživačkih i naučnih zvanja ("Sl. glasnik RS", br. 159, 30.12.2020.god.)*

IZBORI U ZVANJE: prof. dr Tatjana Šibalija

NASTAVNA ZVANJA

- Univerzitet Metropolitan, Beograd: redovni profesor (uža oblast: operacioni menadžment; uža oblast: informacioni sistemi), odluka br. 10-10-00219/4; 26.09.2016.god.
- Univerzitet Metropolitan, Beograd: vanredni profesor (uža oblast: operacioni menadžment); odluka br. 10-10-00074; 14.01.2014.god.
- Evropski Univerzitet, Београд: vanredni profesor (uža oblast: inženjerski menadžment); odluka br. 122/4; 05.11.2012.god.
- Evropski Univerzitet, Београд: docent (uža oblast: inženjerski menadžment); odluka br. 155/6; 23.08.2010.god.

NAUČNA ZVANJA

- Univerzitet u Beogradu – Mašinski fakultet: Naučni savetnik u oblasti tehničko-tehnoloških nauka - mašinstvo (Mašinski fakultet u Beogradu), Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije, odluka br. 660-01-00001/1998, 22.12.2021.god.
- Univerzitet u Beogradu – Mašinski fakultet: Viši naučni saradnik u oblasti tehničko-tehnoloških nauka - mašinstvo (Mašinski fakultet u Beogradu), Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije, odluka br. 660-01-00001/287, 27.01.2017.god.
- Univerzitet u Beogradu – Mašinski fakultet: Naučni saradnik u oblasti tehničko-tehnoloških nauka - mašinstvo (Mašinski fakultet u Beogradu), Ministarstvo prosvete i nauke Republike Srbije, odluka br. 06-00-75/160, 22.06.2011.god.

BIBLIOGRAFIJA RADOVA: prof. dr Tatjana Šibaliija

M 10

M11 – istaknuta monografija međunarodnog značaja

ΣM11=1 x 14 = 14

2016

1. **Sibaliija T., Majstorovic V. (2016) The advanced multiresponse process optimisation. An intelligent and integrated approach**, Hardcover ISBN 978-3-319-19254-3, eBook ISBN 978-3-319-19255-0, DOI 10.1007/978-3-319-19255-0, Springer International Publishing Switzerland
<http://www.springer.com/la/book/9783319192543> **M11: 14**

M13 – monografska studija / poglavlje u knjizi M11

ΣM13=5 x 7 = 35

2020

2. **Sibaliija T., Zivkovic S. (2020) On the Virtual Optimization fo CAI-CAx Loop Base don the Digital Twin: Sculpture Surface Demonstrator**, in J. P. Davim (Ed.): Manufacturing in Digital Industries. Prospects for industry 4.0, pp.43-73, ISBN: 9783110575071, eISBN: 9783110575422, chapter DOI: 10.1515/9783110575422-003, book DOI: 10.1515/9783110575422, De Gruyter, Berlin, Germany
<http://www.degruyter.com/books/978-3-11-057507-1> **M13: 7**
3. **Sibaliija T. (2020) Metaheuristic Algorithms in Industrial Process Optimisation: Performance, Comparison and Recommendations**, in I.S. Bajwa, T. Sibaliija, D.N.A. Jawawi (Eds.): Intelligent Technologies and Applications, pp.270-283, ISBN: 978-981-15-5231-1, eBook ISBN: 978-981-15-5232-8, doi: 10.1007/978-981-15-5232-8_24, ISSN 1865-0929, ISSN 1865-0937 (electronic), Springer
<https://www.springer.com/gp/book/9789811552311> **M13: 7**
4. **Sibaliija T. (2020) The Quality Loss Function-Based Approach for Discrete Multiresponse Process Parameters Optimization**, in Tatjana Sibaliija (Ed.): A Closer Look at Loss Function, pp.165- ISBN: 978-1-53616-540-1, Nova Science Publishers
<https://novapublishers.com/shop/a-closer-look-at-loss-function/> **M13: 7**

2018

5. **Sibaliija T. (2018) Application of Simulated Annealing in Process Optimization: A Review**, in Alex Scollen and Thomas Hargraves (Eds.): **Simulated Annealing: Introduction, Applications and Theory**, pp. 1-48, ISBN 978-1-53613-674-6, Nova Science Publishers
<https://novapublishers.com/shop/simulated-annealing-introduction-applications-and-theory/> **M13: 7**

2012

6. Majstorovic V., **Sibaliija T. (2012) Application of the Advanced Quality Improvement Techniques: Case Study**, in J. Frick and B. Laugen (Eds.): **Advances in Production Management Systems, Value networks: Innovation Technologies and Management (IFIP Advances in Information and Communication Technology)**, Volume 384/2012, pp. 181-189, Print ISBN 978-3-642-33979-0, Online ISBN 978-3-642-33980-6, Springer Berlin Heidelberg, DOI 10.1007/978-3-642-33980-6_22
http://link.springer.com/chapter/10.1007%2F978-3-642-33980-6_22; <https://hal.inria.fr/hal-01524209/document> **M13: 7**

2013

7. Majstorovic V., **Sibalija T.**, Ercevic B., Ercevic M. (2013) **CAPP Model for Prismatic Parts in Digital Manufacturing**, in George L. Kovács and Detlef Kochan (Eds.): **Digital Product and Process Development Systems (IFIP Advances in Information and Communication Technology)**, Volume 411/2013, pp. 190-204, Print ISBN 978-3-642-41328-5, Online ISBN 978-3-642-41329-2, Springer Berlin Heidelberg, DOI 10.1007/978-3-642-41329-2_21
http://link.springer.com/chapter/10.1007%2F978-3-642-41329-2_21

M14: 4

2010

8. Cagnazzo L., **Sibalija T.**, Majstorovic, V. (2010) **The Measurement System Analysis as a Performance Improvement Catalyst: a Case Study**, in Taticchi, P. (Ed.), **Business Performance Measurement and Management, New Contents, Themes and Challenges**, ISBN 978-3-642-04799-2 (Print) 978-3-642-04800-5 (Online), Springer – Verlag Berlin Heidelberg, pp. 285-307, DOI 10.1007/978-3-642-04800-5_18
http://link.springer.com/chapter/10.1007/978-3-642-04800-5_18

M14: 4

M 20

2019

9. **Sibalija T** (2019) **Particle Swarm Optimisation in Designing Parameters of Manufacturing Processes: a Review (2008-2018)**, Applied Soft Computing Journal Vol.84, pp. 105743, DOI 10.1016/j.asoc.2019.105743 (2019 Impact Factor = 5.47 - M21a)
<https://www.sciencedirect.com/science/article/abs/pii/S1568494619305241>

M21a: 10

2021

10. **Sibalija T.**, Sandeep Kumar, Manjunath Patel G C, Jagadish (2021) **A soft computing-based study on WEDM optimization in processing Inconel 625**, Neural Computing and Applications, Springer, DOI: 10.1007/s00521-021-05844-8 (2019 Impact Factor = 4.77 – M21)
<https://link.springer.com/article/10.1007/s00521-021-05844-8>

M21: 8

2019

11. **Sibalija T**, Petronic S., Milovanovic D. (2019) **Experimental Optimization of Nimonic 263 Laser Cutting Using Particle Swarm Approach**, Metals Vol. 9, Iss. 11, pp.1147, ISSN: 2075-4701, MDPI, Basel, Switzerland, DOI 10.3390/met9111147 (2019 Impact Factor = 2.26 – M21)
<https://www.mdpi.com/2075-4701/9/11/1147/htm>

M21: 8

2016

12. Petronic S., **Sibalija**, Burzic M., Polic S., Colic K., Milovanovic D. (2016) **Picosecond Laser Shock Peening of Nimonic 263 at 1064 nm and 532 nm Wavelength**, Metals Vol. 6, Iss. 3, ISSN: 2075-4701, MDPI, Basel, Switzerland, DOI: 10.3390/met6030041 (2016 Impact Factor = 1.984 – M21)
<http://www.mdpi.com/2075-4701/6/3/41>

M21: 8

13. Stojadinovic S., Majstorovic V., Durakbasa N., **Sibaliija T.** (2016) **Towards an intelligent approach for CMM inspection planning of prismatic parts.** Measurement, Vol. 92, pp. 326-339, ISSN: 0263-2241, Elsevier, DOI 10.1016/j.measurement.2016.06.037 (2016 Impact Factor = 2.359 – M21)
<https://www.sciencedirect.com/science/article/pii/S0263224116303293> **M21: 8**

2014

14. **Sibaliija T.**, Petronic S., Majstorovic V., Milosavljevic A. (2014) **Modelling and optimisation of laser shock peening using an integrated simulated annealing-based method,** International Journal of Advanced Manufacturing Technology, Vol. 73, Iss. 5-8, pp. 1141-1158, Print ISSN 0268-3768, Online ISSN 1433-3015, Springer-Verlag London Ltd., DOI 10.1007/s00170-014-5917-1 (2013 Impact Factor = 1.779 – M21)
<http://link.springer.com/article/10.1007%2Fs00170-014-5917-1> **M21: 8**

2011

15. **Sibaliija T.**, Majstorovic V., Miljkovic Z. (2011) **An intelligent approach to robust multiresponse process design,** International Journal of Production Research Vol. 49, Iss.17, pp. 5079-5097, Print ISSN 0020-7543, Online ISSN 1366-588X, Taylor & Francis Ltd, DOI 10.1080/00207543.2010.511476 (2011 Impact Factor = 1.115 – M21)
<http://www.tandfonline.com/doi/abs/10.1080/00207543.2010.511476> **M21: 8**

M22 - rad u istaknutom međunarodnom časopisu

ΣM22=7 x 5 = 35

2022

16. Jagadish, Patel, G.C.M., **Sibaliija, T.V. et al.** (2022) **Abrasive water jet machining for a high-quality green composite: the soft computing strategy for modeling and optimization.** Journal of the Brazilian Society of Mechanical Sciences and Engineering. 44, 83 (2022). DOI: 10.1007/s40430-022-03378-1 (2022 Impact Factor = 2.22 – M22)
<https://link.springer.com/article/10.1007/s40430-022-03378-1> **M22: 5**

2016

17. Stojadinovic S., Majstorovic V., Durakbasa N., **Sibaliija T.** (2016) **Ants colony optimisation of the measuring path of prismatic parts on CMM.** Metrology and measurement systems, ISSN 0860-8229, Issue 1/2016, pp.119-132, DOI 10.1515/mms-2016-0011, Polish Academy of Sciences (2016 Impact Factor = 1.598 – M22)
www.degruyter.com/view/j/mms.2016.23.issue-1/mms-2016-0011/mms-2016-0011.xml **M22: 5**

2012

18. **Sibaliija T.**, Majstorovic V. (2012) **An integrated approach to optimise parameter design of multi-response processes based on Taguchi method and artificial intelligence,** Journal of Intelligent Manufacturing Vol. 23, Iss. 5, pp. 1511-1528, Print ISSN 0956-5515, Online ISSN 1572-8145, Springer US, DOI 10.1007/s10845-010-0451-y (2012 Impact Factor = 1.278 – M22)
<http://link.springer.com/article/10.1007%2Fs10845-010-0451-y> **M22: 5**

19. **Sibaliija Tatjana,** Majstorovic Vidosav (2012) **An integrated simulated annealing-based method for robust multiresponse process optimisation,** International Journal of Advanced Manufacturing Technology 59(9-12), Vol. 59, Iss. 9-12, pp 1227-1244, Print ISSN 0268-3768, Online ISSN 1433-3015, Springer-Verlag London Ltd., DOI 10.1007/s00170-011-3572-3 (2013 Impact Factor = 1.779 – M21)
<http://link.springer.com/article/10.1007%2Fs00170-011-3572-3> **M21: 8**

2011

20. **Sibaliija T.**, Petronic S., Majstorovic V., Prokic-Cvetkovic R., Milosavljevic A. (2011) **Multi-response design of Nd:YAG laser drilling of Ni-based superalloy sheets using Taguchi's quality loss function, multivariate statistical methods and artificial intelligence,** International Journal of Advanced Manufacturing Technology, Vol. 54, Iss. 537-552, pp. 537-552, Print ISSN 0268-3768, Online ISSN 1433-3015, Springer-Verlag London Ltd., DOI 10.1007/s00170-010-2945-3 (2011 Impact Factor = 1.103 – M22)

21. Šibalija T., Majstorović V., Soković M. (2011) **Taguchi-based and intelligent optimisation of a multi-response process using historical data**, Strojnicki vestnik = Journal of Mechanical Engineering, Vol. 57, No. 4, pp. 357-365, ISSN 0039-2480, University of Ljubljana, Faculty of Mechanical Engineering, DOI 10.5545/sv-jme.2010.061 (2012 Impact Factor = 0.883 – M22)

<http://www.sv-jme.eu/archive/sv-jme-volume-2011/sv-jme-57-4-2011/>

M22: 5

2009

22. Sibalija, T., Majstorovic, V. (2009) **Multi-response Optimisation of Thermosonic Copper Wire Bonding Process with correlated responses**, International Journal of Advanced Manufacturing Technology 42, pp. 363-371, Print ISSN:0268-3768, Online ISSN:1433-3015, Springer London, doi: 10.1007/s00170-008-1595-1 (2009 Impact Factor = 1.128 - M22)

<http://link.springer.com/article/10.1007%2Fs00170-008-1595-1>

M22: 5

M23 - rad u međunarodnom časopisu

ΣM23=3 x 3 = 9

2014

23. Papić Brankov T., Sibalija T., Subić J. (2014) **Serbian consumers' willingness to buy food products produced without the use of pesticides**, Romanian Biotechnological Letters, Vol. 19, No. 4, pp. 9605 - 9614, ISSN 1224-5984, ISSN electronic 2248-3942, University of Bucharest (2014 Impact Factor = 0.404 – M23)

http://www.rombio.eu/vol19nr4/lucr%2021_Tatiana_Brankov_Sibalija_Subic%20rec%2029%20ian2014%20ac%2020%20iunie%202014.pdf

M23: 3

2013

24. Papić Brankov T., Sibalija T., Lovre K., Cvijanović D., Subić J. (2013) **The impact of biotechnology knowledge on the acceptance of genetically modified food in Serbia**, Romanian Biotechnological Letters, Vol. 18, No. 3, pp. 8295- 8306, ISSN 1224-5984, ISSN electronic 2248-3942, University of Bucharest (2013 Impact Factor = 0.351 – M23)

<http://www.rombio.eu/vol18nr3/10%20Tatiana-%20Ionei%20Subici.pdf>

M23: 3

25. Marinković V., Šibalija T., Majstorović V., Tasić Lj. (2013) **Analiza uticaja uspostavljenog sistema menadžmenta kvaliteta na performanse poslovanja u farmaceutsko-hemijskoj industriji Srbije**, Hemijska industrija, Vol. 67, Iss.3, pp. 535–546, ISSN 0367-598X, eISSN 2217-7426, Savez hemijskih inženjera (Association of the Chemical Engineers of Serbia), DOI 10.2298/HEMIND120425081M (2013 Impact Factor = 0.562 – M23)

<http://www.doiserbia.nb.rs/img/doi/0367-598X/2013/0367-598X1200081M.pdf>

M23: 3

M24 - rad u nacionalnom časopisu međunarodnog značaja

ΣM24=6 x 3 = 18

2016

26. Sibalija T., Živković S., Fountas N., Majstorović V., Macuzić J., Vaxevanidis N. (2016) **Virtual optimisation of CAI process parameters for the sculptured surface inspection**, Procedia CIRP, ISSN: 2212-8271, Vol.57, pp. 574–579, Elsevier, DOI: 10.1016/j.procir.2016.11.099

<https://www.sciencedirect.com/science/article/pii/S2212827116312537>

M24: 3

27. Marinković V., Bekić S., Pejović G., Sibalija T., Majstorović V., Tasić Lj. (2016) **An approach to TQM evaluation in pharma business**, The TQM Journal, Vol. 28 Iss: 5; pp. 745-759, ISSN: 1754-2731, Emerald Group Publishing Ltd., DOI: 10.1108/TQM-10-2015-0134 (SJR: 2016.god. – Q2)

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2015

28. Majstorović V., Sibalija T. (2015) **From IMS and six sigma toward TQM: an empirical study from Serbia**, TQM Journal, Vol. 27 Iss: 3; pp.341-355, ISSN 1754-2731, Emerald Group Publishing Ltd., DOI: 10.1108/TQM-12-2013-0130 (SJR: 2015.god. – Q2)

29. Majstorovic Vidosav, Stojadinovic Slavenko, **Sibalija Tatjana** (2015) **Development of a knowledge base for the planning of prismatic parts inspection on CMM**, Acta Imeko, Vol.4, No.2 (Jun 2015), pp. 10 - 17, ISSN 2221-870X, The International Measurement Confederation (IMEKO)

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M24: 3

30. Majstorović Vidosav, Mačužić Jelena, **Šibalija Tatjana**, Živković Srdjan (2015) **Cyber-physical manufacturing systems – manufacturing metrology aspects**, Journal Proceedings in Manufacturing Systems, Vol.10, Iss.1, pp. 9-14, ISSN 2067-9238, e- ISSN 2343-7472, University "Politehnica" of Bucharest, Romanian Academy Publishing House

http://icmas.eu/Volume10_Issue1_2015.htm

M24: 3

2010

31. **Šibalija, T.**, Majstorović, V. (2010) **Novel approach to multi-response optimisation for correlated responses**, FME Transactions, Vol. 38, No.1, pp. 39-48

<https://www.mas.bg.ac.rs/istrazivanje/fme/start>

M24: 3

M28a - urednik publikacija sa monografskim delima kategorije M13

$\Sigma M28a=3 \times 3,5 = 10,5$

2021

32. Editor of the book: **Soft Computing in Smart Manufacturing: Solutions toward Industry 5.0**, Tatjana Sibalija and J. Paulo Davim (Eds.), ISBN: 978-3-11-069317-1, De Gruyter, 2021 – u toku

<https://www.degruyter.com/>

M28a: 3,5

2020

33. Editor of the book: **A Closer Look at Loss Function**, Tatjana Sibalija (Ed.), ISBN: 978-1-53616-540-1, Nova Science Publishers, 2020

<https://novapublishers.com/shop/a-closer-look-at-loss-function/>

M28a: 3,5

34. Coeditor of the book: **Intelligent Technologies and Applications**, I.S. Bajwa, T. Sibalija, D.N.A. Jawawi (Eds.), ISBN: 978-981-15-5231-1, eBook ISBN: 978-981-15-5232-8, doi: 10.1007/978-981-15-5232-8, Springer

<https://www.springer.com/gp/book/9789811552311>

M28a: 3,5

M29a – uređivanje međunarodnog naučnog časopisa

$\Sigma M29a=7 \times 1,5 = 10,5$

2016 – 2022

35. Član uređivačkog odbora međunarodnog naučnog časopisa kategorije M24 (SJR: Q2), od 2016.godine do danas (7 godina) - Member of the Editorial Review Board of The TQM Journal, ISSN: 1754-2731, Emerald Group Publishing

http://emeraldgroupublishing.com/products/journals/editorial_team.htm?id=tqm

M29a x 7: 7 x 1,5 = 10,5

M29v – uređivanje nacionalnog naučnog časopisa

$\Sigma M29v=1 \times 1 = 1$

2018

36. Gostujući urednik: Editor of Special Issue 'Contemporary methods for business process improvement' of International Journal 'Advanced Quality', Vol.46, No.3-4; p-ISSN 2217-8155; e-ISSN 2560-3884, United Association of Serbia for Quality (YUSQ), 2018

<http://journal.jusk.rs/index.php/ijaq/article/view/111>

M29v x 1: 1 x 1 = 1

M 30

M31 – predavanje po pozivu sa međunarodn. skupa štampano u celini

ΣM31 =7 x 3,5 = 24,5

2021

37. Šibalija T. (2021) **Efficient optimization of manufacturing processes: an evolutionary algorithms-based methodology**, Invited paper, 2nd International Conference on Modelling Simulation and Optimization (CoMSO-2021), National Institute of Technology Silchar, India, 16-18 December 2021
<http://comso.nits.ac.in/speakers.html> **M31: 3,5**
38. Šibalija T. (2021) **Parametric Optimization of Integrated Circuit Assembly Process: an Evolutionary Computing-Based Approach**, Invited paper, 5th The 11th International Conference on Electronics, Communications and Networks (CECNet 2021), Beijing, China, 18-21 November 2021 – *paper accepted*
<http://www.cecnetconf.org/Speaker/> **M31: 3,5**

2019

39. Šibalija T. (2019) **Statistical vs. Metaheuristic Techniques in Parametric Optimisation of Industrial Processes**, Invited / Keynote paper, 5th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC), Kusadasi, Turkey, 18-20 October 2019
<http://www.irsysc2019.com/> **M31: 3,5**

2016

40. Šibalija T. (2016) **Digital factory: the information systems aspect**, Invited Keynote paper / Introduction paper, 11th International UASQ Congress "BUSSINES EXCELLENCE", International Convention on Quality UASQ -12th ICQ 2016, United Association of Serbia for Quality (UASQ), Belgrade, 31.May – 3.Jun 2016
www.jusk.rs **M31: 3,5**

2014

41. Majstorović V., Mačužić J., Šibalija T., Erčević M., Erčević B. (2014) **Cyber-Physical Manufacturing Systems – Towards New Industrialization**, Invited Keynote paper, Proceedings of XVI International Conference on Industrial Systems (IS'14), pp. 113-118, Univeristy of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and Management, Novi Sad, Serbia, 15.-17. October 2014
http://www.iim.ftn.uns.ac.rs/conferences/is14/wp-content/uploads/2014/11/IS_14_Proceedings.pdf **M31: 3,5**

2011

42. Šibalija T., Majstorović V. (2011) **A model of generic knowledge-based system for multiresponse process design**, Proceedings of 6th International Conference "Total Quality Management-Advanced and Intelligent Approaches", pp. 553-558, ISSN 978-86-7083-727-0, University of Belgrade, Mechanical Engineering Faculty, Laboratory for Production Metrology and TQM, and United Association of Serbia for quality (UASQ), Belgrade, 6.-10. June 2011.
<http://www.mas.bg.ac.rs/>, www.jusk.rs **M31: 3,5**

2007

43. Majstorovic, V., Šibalija, T. (2007) **European Platform For Manufacturing: MANUFUTURE** Introduction paper, Proceedings of the 4th International Conference "Total Quality Management - Advanced and Intelligent Approaches", pp. 83-86, ISBN 86-7083-594-0, Belgrade, May-Jun 2007
www.jusk.rs **M31: 3,5**

2013

44. Šibalija T. (2013) **Factory of the Future PPP Strategic Multi-Annual Roadmap 2013**, Key speaker, Invited paper, Factories of the Future for Thailand 2013 Conference, Bangkok. January 2013
www.fti.or.th; <http://www.ryt9.com/s/prg/1555854> M32: 1,5
45. Šibalija T. (2013) **Intelligent manufacturing: challenges and trends**, Invited paper, Factories of the Future for Thailand 2013 Conference, Bangkok, 15.-16. January 2013
www.fti.or.th; <http://www.ryt9.com/s/prg/1555854> M32: 1,5

2011

46. Šibalija T. (2011) **ManuFuture Village: past, present and future**, Invited paper, ManuFuture 2011 Conference: West and East Europe in global High Added Value Manufacturing, Wroclaw, October 2011
www.manufuture2011.eu M32: 1,5
47. Šibalija T. (2011) **A contribution to the 'smart factories': an intelligent system for multiresponse robust process design**, Invited paper, Factories of the Future for Thailand 2011 Conference, Bangkok, October 2011.
www.fti.or.th; <http://www.thailandsmartfactory.com/> M32: 1,5

2022

48. Simjanović D., Zdravković N., Vesić N. Šibalija T. (2022) **Applying AHP to smart-city development: Mobility, Healthcare and Education**, International conference "Advanced Engineering Optimization Through Intelligent Techniques" (AEOTIT), SardarVallabhbbhai National Institute of Technology, India, January 2022
<https://www.svnit.ac.in/Data/Notice/2021/October/Call.for.Papers.pdf> M33: 1

2021

49. Rackov I., Šibalija T. (2021) **Six sigma application for reducing university students dropout**, Proceedings of 17th International Convention on Quality UASQ -17th ICQ 2021, pp.145-152, ISBN 978-86-89157-16-1, United Association of Serbia for Quality (UASQ), Belgrade, Jun 2021
www.jusk.rs M33: 1

2020

50. Šibalija T. (2020) **Metaheuristics in parametric process design: laser cutting study analysis**, Proceedings of the Conference "Modern stochastic models and problems of actuarial mathematics", pp. 58-63, ISBN 978-9943-18-262-2, Karshi State University, Karshi, Uzbekistan, 25. September 2020
https://www.researchgate.net/publication/344777400_Modern_StochAstic_Models_ProbleMs_Of_Actuarial_MaTHematics_MAMMOT_H_Conference_-_Book_of_Abstracts_2020 M33: 1

2019

51. Cvetković Lj., Šibalija T. (2019) **Implementation of Business Process Management in education sector using SAP's methodology**, Proceedings of Selected Papers of The Third International Students' Scientific Conference "Multidisciplinary Approach to Contemporary Research – Cultural and Industrial Heritage", pp.114-124, Central Institute for Conservation; Scientific Association for the Development and Promotion of New Technologies, ISBN 978-86-6179-071-3, Faculty of Agriculture, University of Belgrade, Belgrade, 21.-22. December 2019
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52. Stević Z., Petronić S., Šibalija T., Dimitrijević S., Jovičić R. (2019) **Laser surface cleaning of copper and brass for applications in the process industry** (in Serbian: *Lasersko površinsko čišćenje bakra i mesinga za primene u procesnoj industriji*), Proceedings of 32nd international congress on process industry

– Processing '19, pp.39-46, Society for Process Engineering within SMEITS (Serbian Union of Mechanical and Electrical Engineers and Technicians), in cooperation with the Faculty of Mechanical Engineering of Belgrade, Belgrade, Serbia, 30.-31. May 2019 (in Serbian)

Zbornik Međunarodnog kongresa o procesnoj industriji – Procesing (Zbornik radova Procesing 2019), v. 32, n. 1, p. 39-46, SMEITS, isbn: 978-86-81505-94-6, Beograd, 30. - 31. May, 2019

https://www.smeits.rs/include/img/procesing-2019/Zbornik_radova_32_Procesinga.pdf

M33: 1

2018

53. **Šibalija T.**, Lakman P., Sriromruen S., Patband E., Vongsirithatsanakhati K., Thummanusarn T. (2018) **Process Capability Improvement by Implementing SPC and DoE in Power Transformers Manufacturing**. Proceedings of 7th International Symposium of Industrial Engineering – SIE 2018, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia, 27.-28. September 2018.

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54. Petronić S., **Šibalija T.**, Colić K. (2018) **Importance of parameters optimisation for laser material processing**. Proceedings of 7th International Symposium of Industrial Engineering – SIE 2018, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia, 27.-28. September 2018.

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55. Gavrilović N., **Šibalija T.** (2018) **The application of evolutionary algorithms in e-learning systems**, Proceedings of The 9th International Conference on eLearning (eLearning-2018), pp.84-90, Belgrade, Serbia, 27-28 September 2018

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2017

56. Mijović B., **Šibalija T.** (2017) **Towards IoT-supported Business Process Management: a Case Study**, Proceedings of the First International Student Scientific Conference “Multidisciplinary Approach to Contemporary Research”, Central Institute for Conservation; Scientific Association for the Development and Promotion of New Technologies, pp. 256 - 268, Belgrade, 25.-26. November 2017

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57. Jovanović S., **Šibalija T.** (2017) **The role of business process management and its implementation in telecommunication sector using SAP methodology**, Proceedings of the First International Student Scientific Conference “Multidisciplinary Approach to Contemporary Research”, Central Institute for Conservation; Scientific Association for the Development and Promotion of New Technologies, pp. 289 - 297, Belgrade, 25.-26. November 2017

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58. **Šibalija T.**, Paunović V. (2017) **On the use of machine learning techniques in e-learning systems**, Proceedings of The 8th International Conference on eLearning (eLearning-2017), Belgrade Metropolitan University, pp. 138 – 143, Belgrade, Serbia, 28-29 September 2017

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M33: 1

59. Ljubić A., **Šibalija T.** (2017) **Analysis of soft factors in Six Sigma implementation**, Proceedings of the International Conference “Innovation, Competitiveness and Sustainable Development”, ICSD Belgrade 2017, ISBN 978-86-89755-15-2, Belgrade Metropolitan University, Belgrade, Serbia, 25. May 2017

<http://icsd.metropolitan.ac.rs>

M33: 1

2016

60. Ljubić A., **Šibalija T.** (2016) **Business process management and Six Sigma: a synergy for process-oriented organisation**, Proceedings of 12th International Convention on Quality UASQ -12th ICQ 2016, United Association of Serbia for Quality (UASQ), Belgrade, 31. May – 3. Jun 2016

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2015

62. **Sibalija T.** (2015) **Cyber-security in digital manufacturing: assessment and testing**, Proceedings of the 2nd International Conference "MODERN METHODS OF TESTING AND EVALUATION IN SCIENCE", pp. 58-64, ISBN 978-86-918415-1-5 Belgrade, Serbia, 14.-15. December 2015
M33: 1
63. Majstorovic V., Macuzic J., Marinkovic V., **Sibalija T.** (2015) **Application of ISO 9001:2015**. World Quality Forum "Quality for Future of the World", International Academy for Quality and and Hungarian National Committee for EOQ, Budapest, Hungary, 26.-27. October 2015
<http://www.iaq2015.com/pdf/iaq-program-book.pdf> , <http://www.iaq2015.com/>
M33: 1
64. Majstorovic V., Macuzic J., Stojadinovic S., Zivkovic S., **Sibalija T.**, Marinkovic V. (2015) **Cyber Physical Manufacturing – Integrated Quality Approach**. Proceedings of 6th International Symposium of Industrial Engineering – SIE 2015 , pp. 137-140, ISBN 978-86-7083-864-2, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia, 24.-25. September 2015.
<http://ie.mas.bg.ac.rs/sie2015/>
M33: 1
65. Fountas N., **Šibalija T.**, Majstorović V., Vaxevanidis N., Mačužić J., Živkovic S. (2015) **Virtual quality assessment for sculptured surface CNC tool path strategies and related parameters using RSM and developed model for inspection**, Keynote paper, Proceedings of 8th International Conference "Total Quality Management-Advanced and Intelligent Approaches", pp. 203-214, ISBN: 978-86-7083-858-1, University of Belgrade, Mechanical Engineering Faculty, Laboratory for Production Metrology and TQM, and United Association of Serbia for quality (UASQ), Belgrade, Serbia, 1.-5. June 2015.
<http://www.mas.bg.ac.rs/>, www.jusk.rs
M33: 1
66. Marinković V., **Šibalija T.**, Bekčić S., Pejović G., Majstorović V., Tasić Lj. (2015) **TQM in pharmaceutical companies in Serbia**, Keynote paper, Proceedings of 8th International Conference "Total Quality Management-Advanced and Intelligent Approaches", pp. 45-50, ISBN: 978-86-7083-858-1, University of Belgrade, Mechanical Engineering Faculty, Laboratory for Production Metrology and TQM, and United Association of Serbia for quality (UASQ), Belgrade, Serbia, 1.-5. June 2015.
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M33: 1
- 2014**
67. Majstorovic V., Sheps I., Marinkovic V., **Sibalija T.**, Stojadinovic S., Macuzic J. (2014) **Advanced Quality Management Model ISO 9001:2015 – Challenges and Opportunities**, Plenary paper, Proceedings of 11th International Convention on Quality UASQ - 11th ICQ 2014, pp. 1-4, ISBN 978-86-89157-02-4, United Association of Serbia for Quality (UASQ), Belgrade, 2.-5. June 2014
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M33: 1
68. Jeftovic F., **Sibalija T.** (2014) **Kaizen in Serbia: EnergoPET Case Study**, Proceedings of 11th International Convention on Quality UASQ -11th ICQ 2014, ISBN 978-86-89157-02-4 (International Journal "Advanced Quality", No.2, Vol.42, pp. 15-20, ISSN 2217-8155), United Association of Serbia for Quality (UASQ), Belgrade, 2.-5. June 2014
<http://www.jusk.rs/ICQ%202014%20Detailed%20programme.pdf>
M33: 1
- 2013**
69. Dimkow S., **Sibalija T.**, Majstorovic V. (2013) **Assessment of the industrial enterprises readiness for Digital manufacturing in Bulgaria and Serbia**, Proceedings of the Fifth International Conference "The European Entrepreneurship: How Entrepreneurs (Should) Act in Global Business Environment" - BAMDE 2013 (Todorov K. and Kohlert H., eds), pp. 154-176, ISBN 978-954-9827-14-9, Bulgarian Association for Management Development and Entrepreneurship, Albena, Bulgaria, 9.–11. September 2013
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M33: 1
70. Papic Brankov T., **Sibalija T.**, Cvijanovic D. (2013) **Serbian public attitudes towards "green", EMPLOYMENT, EDUCATION AND ENTREPRENEURSHIP**, The Second International Conference, pp. 154, ISBN 978-86-6069-091-5, Faculty of Business Economics and Entrepreneurship, Belgrade, 16-18 October 2013
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M33: 1
71. **Sibalija T.**, Majstorovic V., Ercevic B., Ercevic M. (2013) **Process planning for prismatic parts in digital manufacturing**, Keynote paper , Proceedings of 7th International Conference "Total Quality Management-Advanced and Intelligent Approaches", pp. 589 - 597, ISBN 978-86-7083-790-4, University of Belgrade, Mechanical Engineering Faculty, Laboratory for Production Metrology and TQM, and United Association of Serbia for quality (UASQ), Belgrade, Serbia, 3.-7. June 2013
<http://cent.mas.bg.ac.rs/tqm/2013/>, <http://www.mas.bg.ac.rs/>, www.jusk.rs
M33: 1

72. Majstorovic V., **Sibalija T.**, Stojadinovic S. (2013) **IMS as a basis for TQM application in Serbia or TQM in Serbia – reality or fiction**, Keynote paper, Proceedings of 7th International Conference “Total Quality Management-Advanced and Intelligent Approaches”, pp. 45 - 52, ISBN 978-86-7083-790-4, University of Belgrade, Mechanical Engineering Faculty, Laboratory for Production Metrology and TQM, and United Association of Serbia for quality (UASQ), Belgrade, Serbia, 3.-7. June 2013
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2012

73. **Sibalija T.** (2012) **Quality Management in High-Tech Industry: STMicroelectronics study example**, International scientific conference “Management Development in Central and South- East Europe, pp. 278-289, ISBN 978-3-9503225-0-7, European Academy of Science, Wien, and European University, Belgrade, Belgrade, 19. November 2012
<http://www.eu.ac.rs/>; <http://www.eu.ac.rs/pdf/zbornik2012.pdf> **M33: 1**
74. Majstorovic V., **Sibalija T.** (2012) **Knowledge-based system for Taguchi’s robust design model**, Proceedings of 14th International Conference on Modern Information Technology in the Innovation Processes of Industrial Enterprises – MITIP 2012, pp., 486-499, ISBN 978-963-311-373-8, MTA SZTAKI (Hungarian Academy of Science, Institute for Computer Science and Control), Budapest, 24.-26 October 2012.
http://www.emiracle.eu/news/mitip2012-24-26-october-budapest-461112.kjsp?RH=EMIRACLE_EN-NEW
http://igor.xen.emi.sztaki.hu/mitip/media/MITIP2012_proceedings.pdf **M33: 1**
75. **Šibalija T.**, Majstorović V. (2012) **Six Sigma in Serbia: Current Status and Perspectives**, , Proceedings of 9th International Convention on Quality - ICQ 2012, pp. 299-302, ISBN 978-86-903197-9-4, United Association of Serbia for Quality (UASQ), Belgrade, 5.-7. June 2012
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79. **Šibalija T.**, Majstorović V. (2010) **Integrating Lean with/within Six Sigma**, Proceedings of European Quality Week 2010 – EQW 2010 (International Journal “Total quality management & Excellence, Vol. 38, No. 4, ISSN 1452-0699), United Association of Serbia for Quality (UASQ), Novi Sad, 11.-12. November 2010
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80. **Sibalija T.**, Majstorovic V. (2010) **Process performance analysis for non-normal data distribution**, Proceedings of International Convention on Quality YUSQ - 2010, pp. 17-20, ISSN 1452-0680, United Association of Serbia for Quality (UASQ), Nis, 14.-16. September 2010
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81. **Šibalija T.**, Majstorović V. (2010) **Design and implementation of a hybrid knowledge-based process designer model for a robust multi-objective parameter optimisation**, Proceedings of the International Conference on Advances in Production Management Systems - AMPS 2010, 11-13 October 2010, Cernobbio, Como

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M33: 1

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93. Šibalija, T., Majstorović, V. (2007) **Measuring System Analysis in Six Sigma methodology application – Case Study**, Proceedings of the 10th CIRP Seminar on Computer Aided Tolerancing - CAT 2007, ISBN 978-3-8322-6036-1, Erlangen, March 2007

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96. Majstorović, V., Šibalija, T. (2007) **Six Sigma Methodology Implementation in Serbian Manufacturing enterprise**, Proceedings of the 4th International Conference “Total Quality Management - Advanced and Intelligent Approaches”, pp. 99-106, ISBN 86-7083-594-0, Belgrade, May-Jun 2007
- M33: 1**
97. Majstorović, V., Šibalija, T., Lazić, D., Obradović, Č. (2007) **An Application of DMAIC Approach to Process Quality Improvement – Case Study from Serbia**, Proceedings of the 7th International Conference of the Central and Eastern European Countries - CEEC, pp. 64–70, Iasi, December 2007
- M33: 1**
98. Šibalija, T., Majstorović, V. (2007) **Quality engineering – An example of Six Sigma methodology application**, Proceedings of the 3rd Virtual International Conference on Innovative Production Machines and Systems Virtual Conference - IPROMS 2007, D T Pham, E E Eldukhri and A J Soroka (eds), ISBN 978-1904445-52-4, Whittles Publishing Scotland, Cardiff, UK, July 2007
- M33: 1**
99. Majstorović, V., Šibalija, T. (2007) **An Application of DMAIC Approach to Process Quality Improvement – Case Study**, Proceedings of IFAC Workshop on Manufacturing, Modelling, Management and Control - MIM 2007, pp. 102–108, Budapest, November 2007
- M33: 1**
100. Šibalija, T., Majstorović, V. (2007) **Comparison of ANOVA and 'Location and Dispersion Modelling' approach for the analysis of the results of Taguchi method application for process optimisation**, *Introduction paper*, Proceedings from European Quality Week 2007, Novi Sad, November 2007 (International Journal "Total Quality Management & Excellence", ISSN 0354-9771, Vol. 35, No.4, pp. 91-98, Belgrade, 2007)
- M33: 1**
- 2006**
101. Šibalija, T., Majstorović, V., Obradović, Č, Savić, I., Živković, J., Vujović, J. (2006) **Application of Six Sigma Methodology in Serbian Industrial Environment**, Introduction paper, Proceedings from European Quality Week 2006, pp. 127-134, ISSN 1452-0680, Novi Sad, November 2006 (International Journal "Total Quality Management & Excellence", ISSN 1452-0680, Vol. 34, No.3-4, pp. 127-134, Belgrade, 2006)
- M33: 1**
102. Majstorović, V., Šibalija, T. (2006) **Quality Improvement in Serbia – Six Sigma Methodology Application**, Introduction paper, Proceedings of the 9th International Cyprus Quality Forum, pp. 26-32, Nicosia, September 2006
- M33: 1**
103. Šibalija, T., Majstorović, V. (2006) **Six Sigma Methodology – Case Study**, Proceedings of the 8th International Conference on The Modern Information Technology in the Innovation Processes of the Industrial Enterprises – MITIP, pp. 246-252, Budapest, September 2006
- M33: 1**
104. Majstorović, V., Šibalija, T. (2006) **EU / Serbia Manufuture – Main directions**, Proceedings of the 9th International Scientifics Conference on Flexible Technologies – MMA 2006, pp. 109-110, Novi Sad, Jun 2006
- M33: 1**
105. Majstorović, V., Šibalija, T. (2006) **EU/SERBIA MANUFUTURE EXCELLENCE**, Introduction paper, Proceedings from International Convention on Quality 2006, pp. 1-6, ISSN 1452-0680, Belgrade, May 2006 (International Journal "Total Quality Management & Excellence", ISSN 1452-0680, Vol. 34, No.1-2, pp. 1-6, Belgrade, 2006)
- M33: 1**

106. Šibalija, T., Majstorović, V., Obradović, Č., Živković, J., Savić, I. (2006) **Process Mapping by IDEFO Method – Case Study**, Proceedings from International Convention on Quality 2006, pp. 131-139, ISSN 1452-0680, Belgrade, May 2006 (International Journal "Total Quality Management & Excellence", ISSN 1452-0680, Vol. 34, No.1-2, pp. 131-139, Belgrade, 2006)

M33: 1

107. Majstorović, V., Šibalija, T. (2006) **Product Quality Improvement Using Taguchi Method**, Proceedings of XVII Workshop on Supervising and Diagnostics of Machining Systems – Manufacturing Accuracy Increasing Problems, pp. 214–220, Wroclaw, March 2006

M33: 1

2005

108. Šibalija, T., Majstorović, V. (2005) **Six Sigma Model**, Proceedings from European Quality Week 2005, Novi Sad, November 2005 (International Journal "Total Quality Management & Excellence", ISSN 1452-0680, Vol. 33, No.4. Belgrade, 2005)

M33: 1

109. Šibalija, T., Majstorović, V. (2005) **Application of Taguchi Model for Quality Product Improvement**, Proceedings of the 3rd International Conference "Total Quality Management - Advanced and Intelligent Approaches", pp. 103-109, ISBN 86-7083-514-2, Belgrade, May-Jun 2005.

M33: 1

2004

110. Šibalija, T. (2004) **Attaining Process Robustness through Design of Experiment and Statistical Process Control**, Proceedings of the 11th CIRP International Conference on Life Cycle Engineering – LCE 2004 – Quality Management Issues, pp. 161–168, ISBN 86–903197–3–5, Belgrade, May 2004

M33: 1

2003

111. Šibalija, T. (2003) **Thermosonic Wire Bonding Optimisation in the Microelectronic Component's Assembly**, Proceedings of the 2nd International Conference "Total Quality Management - Advanced and Intelligent Approaches", pp. 103-109, ISBN 86-903197-2-7, Kragujevac, May-June 2003

M33: 1

M34 – saopštenje sa međunarodn. skupa štampano u izvodu

$\Sigma M34 = 1 \times 0,5 = 0,5$

2016

112. Šibalija T. (2016) **COBIT 5: A comprehensive framework for IT processes assessment and governance in a digital enterprise**, Proceedings of the 3rd International Conference "MODERN METHODS OF TESTING AND EVALUATION IN SCIENCE", Scientific association for development and affirmation of new technologies, pp. 24 - 24, Belgrade, Serbia, 24.-25. December 2016

M34: 0,5

M 40

M41 – istaknuta monografija nacionalnog značaja

$\Sigma M41 = 1 \times 7 = 7$

2012

113. Majstorović V., Šibalija T. (2012) **Proizvodnja bez škart**, ISBN 978-86-903197-7-0, Jedinstveno udruženje Srbije za kvalitet – JUSK, Beograd (ukupno 233 strane)

www.jusk.rs

M41 : 7

M42 – monografija nacionalnog značaja**ΣM42 = 3 x 5 = 15****2021**

114. Petronić S., Šibalija T. (2021) **Obrada materijala laserom: osnove, primena i optimizacija**, ISBN 978-86-7466-884-9, Akademska misao, Beograd (217 strana)
<https://akademska-misao.rs/#/about> **M42: 5**

2012

115. Šibalija T. (2012) **Upravljanje kvalitetom**, ISBN 978-86-7582-063-5, Evropski Univerzitet, Beograd (281 strana)
www.eu.ac.rs **M42: 5**

2010

116. Šibalija T. (2010) **Razvoj modela inteligentnog projektanta proizvodnih procesa na bazi Taguchi metoda**, ISBN 978-86-903197-5-6, Jedinstveno udruženje Srbije za kvalitet – JUSK, Beograd (278 strana)
www.jusk.rs **M42: 5**

M45 – poglavlja u knjizi M42**ΣM45 = 4 x 1,5 = 6 – maksimalno 5****2009**

117. Majstorović V., Šibalija T. Soković M., Pavletić D. (2009) **Šest sigma model i primena**, ISBN 978-86-7892-193-3, Tempus projekat "ETIQUM", Fakultet tehničkih nauka, Novi Sad (4 poglavlja; ukupno 212 strane)

M45: 4 x 1,5 = 6 - max. 5**M 50****M51 – rad u vrhunskom časopisu nacionalnog značaja****ΣM51 = 6 x 2 = 12****2021**

118. Šibalija T., Petronić S. (2021) **The Comparison of Metaheuristic Algorithms in Parametric Optimization of Laser-Based Processes**, Tehnika – Mašinstvo 70 (2021) 2, pp. 165-170, ISSN 0040-2176, Beograd, Savez inženjera i tehničara Srbije, DOI: 10.5937/tehnika2102165S
<https://www.sits.org.rs/textview.php?file=348.html> **M51: 2**

2015

119. Majstorović V., Mačužić J., Šibalija T., Stojadinović S., Živković S. (2015) **Horizont 2020 i Program Industrija 4.0 – Ka digitalnom modelu kvaliteta** (*Horizont 2020 Programme for Industry 4.0 - Towards a digital model of quality*), Pregledni rad, Tehnika, Savez inženjera i tehničara Srbije, Vol.64, Broj 2 / 2015, pp. 376-382, ISSN 0040-2176, udc: 62(062.2)(497.1), doi: 10.5937/tehnika1502376M Savez inženjera i tehničara Srbije, Beograd

<http://www.sits.org.rs/textview.php?file=348.html>**M51: 2****2014**

120. Majstorovic V., Šibalija T., Ercevic M., Ercevic B. (2014) **CAI model for prismatic parts in digital manufacturing**, Procedia CIRP, ISSN 2212-8271, Vol.25, pp.27-32, Elsevier, DOI: 10.1016/j.procir.2014.10.006
<http://www.sciencedirect.com/science/article/pii/S2212827114010373> **M51: 2**

2008

121. Šibalija T, Soković M., Majstorović V. (2008) **Obrazovanje za Šest Sigma u Srbiji – jedan pristup**, Pregledni rad, Tehnika – Kvalitet, standardizacija i metrologija, ISSN 0040-2176, Beograd, Vol. 8., No. 3, pp. 1-5

M51: 2

2007

122. Šibalija T., Majstorović, V., Obradović, Č., Savić, I., Živković, J., Vujović, J. (2007) **Application of Six Sigma Methodology in Serbian Industrial Environment**, Review paper, Tehnika – Kvalitet, standardizacija i metrologija, ISSN 0040-2176, Belgrade, Vol. 7; No. 3, pp.1-8, pp. 1–8

M51: 2

2006

123. Majstorović, V., Šibalija T. (2006) **EU/SERBIA MANUFUTURE**, Review paper, Tehnika – Kvalitet, standardizacija i metrologija, ISSN 0040-2176, Belgrade, Vol. 6; No. 3, pp. 12-16

M51: 2

M52 – rad u istaknutom časopisu nacionalnog značaja

$\Sigma M52 = 1 \times 1,5 = 1,5$

2015

124. Majstorović V., Marković M., Kuzmanović D., Mačužić J., Marinković V., Šibalija T., Bekčić S., Pejović G. (2015) **Analiza nivoa poslovne standardizacije u svetu i kod nas**. Tehnika - Kvalitet, standardizacija i metrologija. Broj 5 / 2015, pp. 884-892, doi: 10.5937/tehnika1505884M, ISSN 0040-2176, Savez inženjera i tehničara Srbije, Beograd

<http://www.sits.org.rs/textview.php?file=348.html>

M52: 1,5

M53 – rad u nacionalnom časopisu

$\Sigma M53 = 11 \times 1 = 11$

2018

125. Šibalija T. (2018) **Business process management and automation: key issues**. International Journal 'Advanced Quality', p-ISSN 2217-8155; e-ISSN 2560-3884; Vol.46, No.3-4, pp. 28-33; United Association of Serbia for Quality (UASQ), DOI: 10.25137/IJAQ.n3-4.v46.y2018.p28-33

<http://journal.jusk.rs/index.php/ijaq/article/view/104>

M53: 1

126. Jovanović S., Đurić J., Šibalija T (2018) **Robotic business process automation: overview and opportunities**. International Journal 'Advanced Quality', p-ISSN 2217-8155; e-ISSN 2560-3884; Vol.46, No.3-4, pp. 34-39; United Association of Serbia for Quality (UASQ), DOI: 10.25137/IJAQ.n3-4.v46.y2018.p34-39

<http://journal.jusk.rs/index.php/ijaq/article/view/105>

M53: 1

127. Đurić J., Jovanović S., Šibalija T (2018) **Improving the efficiency of the warehouse storage processes with the use of drones**. International Journal 'Advanced Quality', p-ISSN 2217-8155; e-ISSN 2560-3884; Vol.46, No.3-4, pp. 46-51; United Association of Serbia for Quality (UASQ), DOI: 10.25137/IJAQ.n3-4.v46.y2018.p46-51

<http://journal.jusk.rs/index.php/ijaq/article/view/107>

M53: 1

128. Šibalija T., Patband E., Lakman P. (2018) **A case study on measurement system analysis in power transformers manufacturing**. International Journal 'Advanced Quality', p-ISSN 2217-8155; e-ISSN 2560-3884; Vol.46, No.2, pp. 28-33; United Association of Serbia for Quality (UASQ), DOI: 10.25137/IJAQ.n2.v46.y2018.p28-33

<http://journal.jusk.rs/index.php/ijaq/article/view/98>

M53: 1

129. Šibalija T. (2018) **Application of six sigma in information systems development: main issues and trends**, International Journal 'Advanced Quality', p-ISSN 2217-8155; e-ISSN 2560-3884; Vol.46, No.2, pp. 24-27; United Association of Serbia for Quality (UASQ), DOI: 10.25137/IJAQ.n2.v46.y2018.p24-27

<http://journal.jusk.rs/index.php/ijaq/article/view/97>

M53: 1

2015

130. Majstorovic V., Marković M., Kuzamović D., Macuzic J., Marinković V., Šibalija T. (2015) **ISO 9001:2015 — An Example of Application in Serbia**. Quality Assurance, Special Issue ISO 9001:2015, ISSN: 1224-5410, Vol. XX1, No.83 (September 2015), pp.32-36.

<http://www.euroqual.pub.ro/asigurarea-calitatii-2015/>

M53: 1

2013

131. Majstorovic V., Šibalija T. (2013) **Quality Improvement Using Taguchi's Model: –A Case Study from Serbia**, Economics and Business (Scientific Journal of RTU), Vol.24, pp.94-98, ISSN 1407-7337, Riga Technical University, DOI 10.7250/eb.2013.011

<https://ortus.rtu.lv/science/en/volume/126/24>

M53: 1

2010

132. ROȘU S.M., Dragoi G., Šibalija T., Majstorović V. (2010) **A professional risk assessment scenario at the SMEs level using knowledge bases**, Journal Proceedings in Manufacturing Systems, Vol. 5 (2010), No.4, pp. 237–242, ISSN 2067-9238, e- ISSN 2343-7472, University "Politehnica" of Bucharest, Romanian Academy Publishing House

http://icmas.eu/Volume5_No4_2010.htm#pp_237

M53: 1

2009

133. Šibalija T., Majstorović V., ROȘU S.M. (2009) **Location and dispersion effects in single-response system data from Taguchi orthogonal experimentation**, Journal Proceedings in manufacturing systems, Vol. 4, 2009. pp. 383-388, ISSN 1842-3183, Romanian Academy Publishing House, Bucharest.

M53: 1

2007

134. ROȘU S.M., Šibalija T. (2007) **Relational Database Support for Enterprise Product Development Using Open Source Software**, Journal Proceedings in manufacturing systems, Volume No. 2, pp.175-180, ISSN 1842-3183, Romanian Academy Publishing House, Bucharest

M53: 1

135. ROȘU L., Šibalija T., Cotet C.E. (2007) **Knowledge Capitalized at the Enterprise Level**, Journal Proceedings in manufacturing systems, Volume No. 2, pp.167-170, ISSN 1842-3183, Romanian Academy Publishing House, Bucharest

M53: 1

M55 – uređivanje naučnog časopisa nacionalnog značaja

$\Sigma M55 = (7+3) \times 1 = 10$

2012 - 2018

136. Član uređivačkog odbora časopisa nacionalnog značaja, od 2012.god. do 2018.god. (7 godina): International Journal of Advanced Quality, p-ISSN 2217-8155; e-ISSN 2560-3884; UDC 658.5; COBISS.SR-ID 188697612; United Association of Serbia for Quality (JUSK) (časopis kategorije M53)

<http://journal.jusk.rs/index.php/ijaq/about/editorialTeam>

M55 x 7: 1 x 7 = 7

2020 - 2022

137. Član uređivačkog odbora međunarodnog naučnog časopisa, od 2020.godine (3 godine): *Member of the Editorial Board of the journal 'Current Chinese Engineering Science', Benntam Science*

<https://benthamscience.com/journals/current-chinese-engineering-science/editorial-board/>

M55 x 3: 1 x 3 = 3

M 60

M61 – predavanja po pozivu na skupu nac. značaja štampano u celini

ΣM61 = 1 x 1,5 = 1,5

2014

138. Šibalijski T. (2014) **Novel method for multiresponse optimisation based on simulated annealing algorithm**, predavanje po pozivu, Prva naučno-stručna konferencija "SAVREMENE METODE ISPITIVANJA I EVALUACIJE U NAUCI", ISBN 978-86-918415-0-8, pp.2-12, Naučno društvo za razvoj i afirmaciju novih tehnologija, Beograd, 25. Decembar 2014

<http://www.mas.bg.ac.rs/>

M61: 1,5

M63 – saopštenje sa skupa nacionalnog značaja štampano u celini

ΣM63 = 3 x 0,5 = 1,5

2014

139. Majstorović V., Mačuzić J., Šibalijski T., Stojadinović S. (2014) **CYBER-PHYSICAL MANUFACTURING – ADVANCED TOWARD NEW INDUSTRIAL PARADIGM**, Proceeding of 39th JUPITER Conference, pp. U1-U7, Faculty of Mechanical Engineering, University of Belgrade, Belgrade, 28-29 October 2014

cent.mas.bg.ac.rs

M63: 0,5

2006

140. Majstorovic V., Šibalijski T. (2006) **EU / SERBIA Manufuture SRA or Manufuture in Serbia**, Introduction paper, Proceedings of XXXI SPM SCG, pp. 122–128, Kragujevac, 2006

M63: 0,5

141. Majstorovic V., Šibalijski T. (2006) **MANUFUTURE IN SERBIA ?**, Review paper, Proceeding of the 32nd JUPITER Conference, pp. TF.23–TF.28, ISBN 86–7083–557–6, UDK 658, Zlatibor, 2006

M63: 0,5

M 70

2009

142. Šibalijski T. (2009) **Razvoj modela inteligentnog projektanta eksperimenta za primenu Taguchi metoda**, Odbranjena doktorska disertacija, Mašinski fakultet, Univerzitet u Beogradu, Novembar 2009.

<http://www.mas.bg.ac.rs/>

M71: 6

M 80

M82 – novo tehničko rešenje (metoda) primenjeno na nacionalnom nivou

ΣM82 = 2 x 6 = 12

2021

143. Petronić S., Čolić K., Kosanović N., Šibalijski T., Sedmak A., Polić S. (2021) **Osvajanje tehnologije ojačanja ugaonika i nosača polica od novih materijala laserskom obradom za primene kod skladišta na opodestu i kod samonosećih poličnih skladišta na niše nivoa**

<http://www.mas.bg.ac.rs/>

M82: 6

144. Petronić S., Stević Z., Dimitrijević S., Šibalija T., Sedmak A., Čolić K. (2021) **Čišćenje papira iz XIX veka primenom laserskog snopa u nanosekundnom režimu**
<http://www.mas.bg.ac.rs/> **M82: 6**

M84 – bitno poboljšano tehničko rešenje na nacionalnom nivou

$\Sigma M84 = 1 \times 3 = 3$

2014

145. Petronić S., Šibalija T., Milovanović D., Grujić B., Polić-Radovanović S. (2014) **Optimizacija parametara laserske površinske obrade u cilju poboljšanja mehaničkih osobina austenitnih materijala**, Tehničko rešenje prihvaćeno od strane Nastavno-naučnog veća Mašinskog fakulteta (Univerzitet u Beogradu) na sednici od 25.12.2014. (Odluka br. 338/2)
<http://www.mas.bg.ac.rs/> **M84: 3**

Celokupni pregled objavljenih naučnih radova / referenci

Celokupni pregled objavljenih naučnih radova / referenci			
Kategorija	Broj radova / referenci	Broj poena	Ukupno
M11	1	14	14
M13	5	7	35
M14	2	4	8
M21a	1	10	10
M21	6	8	48
M22	7	5	35
M23	3	3	9
M24	6	3	18
M28a	3	3,5	10,5
M29a	7	1,5	10,5
M29v	1	1	1
M31	7	3,5	24,5
M32	4	1,5	6
M33	64	1	64
M34	1	0,5	0,5
M41	1	7	7
M42	3	5	15
M45	1	5	5
M51	6	2	12
M52	1	1,5	1,5
M53	11	1	11
M55	7 + 3	1	10
M61	1	1,5	1,5
M63	3	0,5	1,5
M70	1	6	6
M82	2	6	12
M84	1	3	3
		Zbir	379,5

Kvantitativni zahtevi	Ostvareno
ukupno	379,5
M10+M20+M31+M32+M33+M41+M42+M51+M80+M90+M100	342,5
M21+M22+M23+M81-85+M90-96+M101-103+M108	117
M21+M22+M23	102
M81-85+M90-96+M101-103+M108	15

Napomena:

Kategorizacija svih navedenih naučnih radova / referenci izvršena u skladu sa Pravilnikom o sticanju istraživačkih i naučnih zvanja (*"Sl. glasnik RS", br. 159, 30.12.2020.god.*)

1. POKAZATELJI USPEHA U NAUČNOM RADU

1.1 NAGRADE I PRIZNANJA

- Emerald Literati Award for Excellence, Outstanding Reviewer for *The TQM Journal*, 2020
<http://www.emeraldgrouppublishing.com/authors/literati/awards.htm?year=2020>
<https://www.emeraldgrouppublishing.com/journal/tqm/literati-awards/tqm-journal-literati-award-winners-2020>
- Nacionalna nagradu za unapređenje kvaliteta: za poseban lični doprinos razvoju i širenju misije kvaliteta u Srbiji i unapređenju nacionalnog pokreta za kvalitet; JUSK – Jedinstveno udruženje Srbije za kvalitet; (*National Award for Quality Improvement: for special personal contribution to the development of the quality mission in Serbia and the promotion of the national movement for quality; United Association of Serbia for Quality (UASQ)*), Jun 2019.godine
- Elsevier Reviewer Recognition, Outstanding Contribution in Reviewing the *Engineering Science and Technology*, an International Journal, 2018, ELSEVIER
<https://www.reviewerrecognition.elsevier.com/recognition/details?type=outstanding&id=1212420&key=A002F298890F30D88CC7E07E61DB3912575524190F8F8151>
- Elsevier Reviewer Recognition, Outstanding Contribution in Reviewing the *Measurement* journal, 2016, ELSEVIER in cooperation with INTERNATIONAL MEASUREMENT CONFEDERATION
<https://www.reviewerrecognition.elsevier.com/recognition/details?type=outstanding&id=997383&key=A002F298890F30D8499A9DF0F53C07754DDC371C1FB1EF3A>
- *Novum Quaels* – godišnja nagrada za doprinos na polju nauke i tehnološkog razvoja ostvaren u 2015. Godini (*Annual award for outstanding contribution to science and technological development, 2015, Scientific association for development and affirmation of new technologies*), Naučno društvo za razvoj i afirmaciju novih tehnologija, Beograd)
- Emerald Literati Network Award for Excellence, Outstanding Reviewer for *The TQM Journal*, 2015
<http://www.emeraldgrouppublishing.com/authors/literati/awards.htm?year=2015>
- "L.Romano Best Inventor Award" (ST Worldwide Manufacturing Excellence), 2005
- "ST Microelectronics, Malta -Technological Award, 2003
www.st.com

1.2 UVODNA PREDAVANJA NA KONFERENCIJAMA I DRUGA PREDAVANJA PO POZIVU

- **Sibalija T. (2021) Efficient optimization of manufacturing processes: an evolutionary algorithms-based methodology**, Invited paper, 2nd International Conference on Modelling Simulation and Optimization (CoMSO-2021), National Institute of Technology Silchar, India, 16-18 December 2021;
<http://comso.nits.ac.in/speakers.html>
- **Sibalija T. (2021) Parametric Optimization of Integrated Circuit Assembly Process: an Evolutionary Computing-Based Approach**, Invited paper / speaker, 5th The 11th International Conference on Electronics, Communications and Networks (CECNet 2021), Beijing, China, 18-21 November 2021;
<http://www.cecnetconf.org/Speaker/>
- **Sibalija T (2020) A Parametric Process Design in an Industry 4.0 Environment: the Role of Evolutionary Computing**, Invited talk / presentation, Engineering Software for the Modern Challenges – ECMoC, A one day International Webinar on Modelig and Engineering Softwares to Cope with the modern Challenges of the 21st Century, 5. September 2020, organized by the Department of Computer Science and Department of Software Engineering of Faculty of Computing, The Islamia University of Bahawalpur
<http://jdconline.net/esmoc/index.html>
- **Sibalija T (2019) Statistical vs. Metaheuristic Techniques in Parametric Optimisation of Industrial Processes**, Invited keynote paper, 5th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC), Kusadasi, Turkey, 18-20 October 2019
<http://www.irsysc2019.com/>
- **Šibalija Tatjana (2016) Digital factory: the information systems aspect**, Invited Keynote paper / Introduction paper, 11th International UASQ Congress "BUSSINES EXCELLENCE", International

Convention on Quality UASQ -12th ICQ 2016, United Association of Serbia for Quality (UASQ), Belgrade, 31.May – 3.Jun 2016

www.jusk.rs

- **Sibalija Tatjana (2015) IT security in manufacturing system - challenges and trends** (Informaciona bezbednost u proizvodnom sistemu - izazovi i trendovi), predavanje po pozivu, Seminar "Nauka, kultura i nove tehnologije: savremeni izazovi i trendovi", Naučno društvo za razvoj i afirmaciju novih tehnologija, Sopot, Beograd, 16. Septembar 2015
- **Sibalija Tatjana (2014) Novel method for multiresponse optimisation based on simulated annealing algorithm**, predavanje po pozivu, Prva naučno-stručna konferencija "SAVREMENE METODE ISPITIVANJA I EVALUACIJE U NAUCI", ISBN 978-86-918415-0-8, pp.2-12, Naučno društvo za razvoj i afirmaciju novih tehnologija, Mašinski fakultet, Beograd, 25. Decembar 2014
<http://www.mas.bg.ac.rs/>
- Majstorović V., Mačužić J., Šibalija T., Erčević M., Erčević B. (2014) **Cyber-Physical Manufacturing Systems – Towards New Industrialization**, Invited Keynote paper, Proceedings of XVI International Conference on Industrial Systems (IS'14), pp. 113-118, Univeristy of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and Management, Novi Sad, Serbia, 15.-17. October 2014
http://www.iim.ftn.uns.ac.rs/conferences/is14/wp-content/uploads/2014/11/IS_14_Proceedings.pdf
- **Sibalija Tatjana (2013) Factory of the Future PPP Strategic Multi-Annual Roadmap 2013**, Key speaker, Invited paper, Factories of the Future for Thailand 2013 Conference (organised by The Federation of Thai Industries, The Electrical, Electronics and Allied Industries Club, Bangkok), Bangkok, 15.-16. January 2013
<http://www.factoryofthefutureforthailand.com/>; <http://www.ryt9.com/s/prg/1555854>
- **Sibalija Tatjana (2013) Intelligent manufacturing: challenges and trends**, Invited paper, Factories of the Future for Thailand 2013 Conference (organised by The Federation of Thai Industries, The Electrical, Electronics and Allied Industries Club, Bangkok), Bangkok, 15.-16. January 2013
<http://www.factoryofthefutureforthailand.com/>; <http://www.ryt9.com/s/prg/1555854>
- **Sibalija Tatjana (2011) ManuFuture Village: past, present and future**, Invited paper, ManuFuture 2011 Conference: West and East Europe in global High Added Value Manufacturing (organised by Wroclaw University of Technology, and Manufuture EU), Wroclaw, 24.-25. October 2011
<http://www.manufuture2011.eu/>
- **Sibalija Tatjana (2011) A contribution to the 'smart factories': an intelligent system for multiresponse robust process design**, Invited paper, Factories of the Future for Thailand 2011 Conference (organised by The Federation of Thai Industries, The Electrical, Electronics and Allied Industries Club, Bangkok), Bangkok, 13.-14. October 2011
<http://www.factoryofthefutureforthailand.com/2011/index.php>
- **Šibalija T., Majstorović V. (2011) A model of generic knowledge-based system for multiresponse process design**, Proceedings of 6th International Conference "Total Quality Management-Advanced and Intelligent Approaches", pp. 553-558, ISSN 978-86-7083-727-0, University of Belgrade, Mechanical Engineering Faculty, Laboratory for Production Metrology and TQM, and United Association of Serbia for quality (UASQ), Belgrade, 6.-10. June 2011.
<http://www.mas.bg.ac.rs/>, www.jusk.rs
- Majstorovic, V., Šibalija, T. (2007) **European Platform For Manufacturing: MANUFUTURE** Introduction paper, Proceedings of the 4th International Conference "Total Quality Management - Advanced and Intelligent Approaches", pp. 83-86, ISBN 86-7083-594-0, Belgrade, May-Jun 2007.
<http://www.mas.bg.ac.rs/>, www.jusk.rs

1.3 EDITORSKI RAD NA MONOGRAFIJAMA

- Editor of the book: **Soft Computing in Smart Manufacturing: Solutions toward Industry 5.0**, Tatjana Sibalija and J. Paulo Davim (Eds.), ISBN: 978-3-11-069317-1, De Gruyter, 2021
<https://www.degruyter.com/document/doi/10.1515/9783110693225/html>
- Editor of the book: **A Closer Look at Loss Function**, published by Nova Science Publishers, Inc., ISBN: 978-1-53616-540-1, Nova Science Publishers, 2020
<https://novapublishers.com/shop/a-closer-look-at-loss-function/>

- Coeditor of the book: Intelligent Technologies and Applications, I.S. Bajwa, T. Sibalija, D.N.A. Jawawi (Eds.), ISBN: 978-981-15-5231-1, eBook ISBN: 978-981-15-5232-8, doi: 10.1007/978-981-15-5232-8, Springer, 2020

<https://www.springer.com/gp/book/9789811552311>

1.4 ČLANSTVA U ODBORIMA MEĐUNARODNIH NAUČNIH KONFERENCIJA I ODBORIMA NAUČNIH DRUŠTAVA

ČLANSTVO U NAUČNIM KOMITETIMA MEĐUNARODNIH NAUČNIH KONFERENCIJA

- Member of the Technical Program Committee (TPC) of the Artificial Intelligence Systems and Technologies (AIST) track of the 2nd Mosharaka International Conference on Smart Systems and Technologies (MIC-Smart 2022)

<http://mosharaka.net/?Area=Users&Page=UserInfo&Sec=Committees&UserID=2953>

<http://mosharaka.net/?Area=Conferences&Page=ConfSite&Sec=Committees&Div=PC&Conf=69>

- Member of the International Program Committee of 8th International Conference of Industrial Engineering 2022 – SIE 2022, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia, 29-30 September 2022

<http://ie.mas.bg.ac.rs/sie2022/committees.html>

- Member of the International Advisory Council of International Conference on “Advances in Mechanical Engineering (AME-2022), Sant Longowal Institute of Engineering & Technology and National Institute of Technology (NIT) Uttarakhand, Longowal, Sangrur, Punjab, India, 7-9 April 2022

<http://sliet.ac.in/>

- Member of the Technical Program Committee (TPC) of 1st Mosharaka International Conference on Smart Systems and Technologies (MIC-Smart 2021), Artificial Intelligence Systems and Technologies (AIST) Committee, Valencia, Spain in the period 3-5 September 2021.

<http://mosharaka.net/?Area=Conferences&Page=CongSite&Sec=MIC-Smart2021&Div=Committee&Conf=43>

- Member of the Technical Program Committee (TPC) of the International Conference “Engineering Software for the Modern Challenges” (ECMoS 2021), JOHOR, MALYSIA, 14-16 April 2021

<http://www.jdconline.net/esmoc21/committee.html>

- Member of the Technical Program Committee (TPC) of the 4th International Conference on Intelligent Technologies and Applications (INTAP 2021), GRIMSTAD, NORWAY, 11-13 October 2021

<http://jdconline.net/intap/prog.html>

- Member of the International Scientific Committee of International Scientific Conference “International Convention on Quality UASQ” – ICQ 2021, Belgrade, 9-11 June 2021

www.jusk.rs

- Member of the Technical Program Committee (TPC) of the Third International Conference on Intelligent Technologies and Applications (INTAP 2020), GJOVIK, NORWAY, 28-30 September 2020

<http://jdconline.net/intap/prog.html>

- Member of the Technical Program Committee (TPC) of the 1st Mosharaka International Conference on Computing Architectures and Techniques (MIC-Computing 2020), Porto, Portugal, 9-11 October 2020.

<http://mosharaka.net/?Area=Conferences&Page=CongSite&Conf=29>

- Member of the Technical Program Committee (TPC) of the Artificial Intelligence Systems and Technologies (AIST) track of the 1st Mosharaka International Conference on Intelligent Systems and Technologies (MIC-Intelligent 2020), Valencia, Spain, 4-6 September 2020.

<http://162.144.56.182/?Area=Conferences&Page=CongSite&Sec=MIC-Intelligent2020&Div=Committee&Conf=108>

- Member of the Technical Program Committee (TPC) of the 1st Mosharaka International Conference on Emerging Applications of Electrical Engineering (MIC-ElectricApps 2020), Valencia, Spain, 4-6 September 2020

<http://mosharaka.net/?Area=Conferences&Page=CongSite&Conf=29>

- Member of the Technical Program Committee (TPC) of the Evolutionary Machine Learning (EML) track, 1st International Conference on Evolutionary Computing (MIC-Evolu 2020), Athens, Greece, 21-23 August 2020

<http://mosharaka.net/?Area=Conferences&Page=CongSite&Sec=MIC-Evolu2020&Div=Committee&Conf=23>

- Member of the Technical Program Committee (TPC) of the 1st International Conference on Mechanical Engineering and Technologies (MechaniTek 2020), Irbid, Jordan, April 2020
<http://mosharaka.net/?Area=Conferences&Page=CongSite&Sec=MechaniTek2020&Div=Committee&Conf=51>
- Member of the Technical Program Committee (TPC) of the Second International Conference on Intelligent Technologies and Applications (INTAP 2019), BAHAWALPUR, Pakistan, 6-8 November 2019
<http://jdconline.net/intap/prog.html>
- Member of the Conference Scientific Committee of 5th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC), Kusadasi, Turkey, 18-20 October 2019
<http://www.irsysc2019.com/>
- Member of the International Program Committee of IEEE International Workshop on Metrology for Industry 4.0 and IoT, Naples, Italy, 4-6 June 2019
<http://www.metroind40iot.org/committee>
- Member of the Technical Program Committee (TPC) of the Industrial Engineering and Engineering Management (IEEM) track, 1st International Conference on Mechanical, Aeronautical, and Industrial Engineering Technologies (MechaniTek 2019), Irbid, Jordan, 7-11 April 2019
<http://mosharaka.net/?Area=Conferences&Page=ConfSite&Sec=Committees&Div=PC&Conf=51>
- Member of the Technical Program Committee (TPC) of the First International Conference on Intelligent Technologies and Applications (INTAP 2018), BAHAWALPUR, Pakistan, 26-27 October 2018
<http://jdconline.net/intap/prog.html>
- Member of the International Program Committee of 7th International Symposium of Industrial Engineering 2018 – SIE 2018, Belgrade, Serbia, 27. – 28. September 2018
<http://ie.mas.bg.ac.rs/sie2018/committees.html>
- Member of the Technical Program Committee of 1st edition of the Workshop on Information and Communication Technologies for Industry 4.0 - ICT4I40 Workshop 2018 (in conjunction with IEEE ISCC 2018), Natal, Brasil, 25.-28. June 2018
<http://traffic.comics.unina.it/ICT4I40ws/>
- Member of the International Program Committee of International Scientific Conference “International Convention on Quality UASQ” 2018, Belgrade, 5.-7. June 2018
www.jusk.rs
- Member of the International Program Committee of IEEE International Workshop on Metrology for Industry 4.0 and IoT, Brescia, Italy, 16.-18. April 2018
<http://www.metroind40iot.org/>
- Member of the Scientific Committee of the First International Student Scientific Conference “Multidisciplinary Approach to Contemporary Research”, Belgrade, 25.-26. November 2017
<http://macr.cik.org.rs/>
- Member of the International Program Committee of the 5th International Conference on Advanced Manufacturing Engineering and Technologies – NEWTECH 2017, Belgrade, 05.-09. Jun 2017
<http://cent.mas.bg.ac.rs/newtech>
- Member of the International Program Committee of the 9th International Working Conference TOTAL QUALITY MANAGEMENT - ADVANCED AND INTELLIGENT APPROACHES (IWC TQM 2017) Belgrade, 5-9 June 2017
www.jusk.rs
- Member of the International Program Committee of the International Conference Innovation, Competitiveness and Sustainable Development, ICSD Belgrade 2017, Belgrade, Serbia, 25.May 2017
<http://icsd.metropolitan.ac.rs/international-programme-committee/>
- Member of the International Program Committee of the International Conference on Advanced Technologies Enhancing Education - ICAT2E 2017, Qingdao, China, 18.-20. March 2017
<http://icat2e.jimdo.com/>
- Member of the International Program Committee of the International Conference on Design Research – ICDS 2016, Sanya, China, 02.-04. December 2016
<http://www.icdrconf.org/home.html>

- Member of the International Scientific Committee of International Scientific Conference “International Convention on Quality UASQ” – ICQ 2016, Belgrade, 31.May – 3 June 2016
www.jusk.rs
- Member of the International Program Committee of the International Conference “Advanced Manufacturing as the Foundation for a Successful Society – Challenges and Opportunities for Advanced-industrialization of Serbia / Horizon 2020/2030”, Belgrade, Serbia, 31.May – 2.Jun 2016
- Member of the International Program Committee of the International Conference Innovation, Competitiveness and Sustainable Development, ICSD Belgrade 2016, Belgrade, Serbia, 25. May 2016
<http://icsd.metropolitan.ac.rs/international-programme-committee/>
- Member of the Technical Program Committee of the 2nd International Conference “on Artificial Intelligence and Robots (AIAR2015), Shenzhen China, 22.-24.December 2015.
<http://www.as-se.org/conf/aiar-2015/Organizing.aspx>
- Member of the International Program Committee of the 2nd International Conference “MODERN METHODS OF TESTING AND EVALUATION IN SCIENCE”, Belgrade, Serbia, 14.December 2015
- Member of the International Program Committee of International Conference on Electrical, Instrumentation and Control Engineering (EICE2014), Chicago, Illinois, USA, 24.-25. October 2014
<http://www.eice-conf.org/>
- Member of the International Program Committee of International Working Conference "Total Quality Management - Advanced and Intelligent Approaches", 2005, 2007, 2009, 2011, 2013, 2015 –
- Member of the International Program Committee of International Scientific Conference “*International Convention on Quality UASQ*” 2014, Belgrade, 2.-5. Jun 2014; “*International Convention on Quality*” 2012, Belgrade, 5.-7. Jun 2012
www.jusk.rs
- President of International Program Committee of International Conference "Six Sigma" - within International Working Conference “Total Quality Management-Advanced and Intelligent Approaches”, 2005, 2007, 2009, 2011, 2013, 2018 –
www.jusk.rs
- Organiser and Chairman of work shop Manufuture EU - “ManuFuture Village”, Belgrade, 2009, 2011, 2013
- Co-chairman of WS: "SMEs in transforming European economies", ManuFuture 2011 Conference: West and East Europe in global High Added Value Manufacturing, Wroclaw, 24.-25. October 2011
<http://www.manufuture2011.eu>

ČLANSTVA U ODBORIMA NAUČNIH DRUŠTAVA

- **Evropska banka za obnovu i razvoj (*European Bank for Reconstruction and Development -EBRD*)**
Registrovani savetnik za mala i srednja preduzeća (*Registered advisor for small and medium-sized enterprises*), 2012 –
<http://www.ebrd.com/>
- **Evropska tehnološka platform za proizvodne tehnologije (*European Technology Platform on Future Manufacturing Technologies*) - EU Manufuture Program**
Podpredsednik nacionalnog tima *European Technology Platform Manufuture - EU*, 2011 –
www.manufuture.org
- **EU Manufuture Program - South-East Europe Alliance for Manufacturing - SEAM Initiative - Manufuture Village**, podpredsednik, 2011 –
www.manufuture.org, www.microelectronica.ro
- **EU Manufuture Program** – član nacionalnog tima *European Technology Platform Manufuture - EU*, 2006-
www.manufuture.org
- **JUSK** – Jedinstveno udruženje Srbije za kvalitet
 - Predsednik komiteta: Šest Sigma i modeli za unapređenje poslovnih procesa, 2018 -
 - Član glavnog odbora, 2009 -
 - Predsednik komiteta: Šest Sigma, 2005 – 2018

- **NANT** - Naučno društvo za razvoj i afirmaciju novih tehnologija
- Član, 2014 -
- **DIVK** – Društvo za integritet i vek konstrukcija
- Član, 2001 -
<http://divk.inovacionicentar.rs>

1.5 ČLANSTVA U UREĐIVAČKIM ODBORIMA ČASOPISA

GOSTUJUĆI UREDNIK NAUČNOG ČASOPISA

- Guest Editor / Editor of Special Issue 'Contemporary methods for business process improvement' of International Journal 'Advanced Quality', Vol.46, No.3-4; p-ISSN 2217-8155; e-ISSN 2560-3884, United Association of Serbia for Quality (YUSQ), 2018
<http://journal.jusk.rs/index.php/ijaq/article/view/111>; www.jusk.org

ČLAN UREĐIVAČKOG ODBORA NAUČNOG ČASOPISA

- Member of the Editorial Review Board of 'The TQM Journal', ISSN: 1754-2731, Emerald Group Publishing, 2016 -
http://emeraldgroupublishing.com/products/journals/editorial_team.htm?id=tqm
- Member of the Editorial Board of the journal 'Current Chinese Engineering Science', ISSN: 2665-9999 (Online), ISSN: 2665-9980 (Print), Benntam Science
<https://benthamsience.com/journals/current-chinese-engineering-science/editorial-board/>
- Member of the Advisory panel of the journal 'Artificial Intelligence for Modern Systems (AIMS) ', Sir Sadiq Association for Computing, The Islamia University of Bahawalpur, Pakistan, 2017 -
<http://jdconline.net/aims/editors.html>
- Member of the Editorial Board of the International Journal 'Advanced Quality', (*former International Journal "Total Quality Management & Excellence"*), p-ISSN 2217-8155; e-ISSN 2560-3884, United Association of Serbia for Quality (YUSQ), 2012 –
<http://journal.jusk.rs/index.php/ijaq/about/editorialTeam>

1.6 RECENZIJE NAUČNIH RADOVA I PROJEKATA

MONITORING REALIZACIJE MEĐUNARODNIH NAUČNIH PROJEKATA

Savetnik / ekspert za praćenje realizacije FP7/H2020 projekata: *examination of the state and progress of the action implementation and comparison to the work that was agreed, the deliverable(s) and the submitted periodic and final reports; recommendations for future actions and strategic guidance*

- EURAMET – EMPIR project: QuantumPower - Quantum traceability for AC power standards (2020-2023, Reference Number: 19RPT01); Horizon 2020, EMPIR - European Metrology Programme for Innovation and Research, 2022 –
- EURAMET – EMPIR project: RealMass - Improvement of the realisation of the mass scale (2020-2023, Reference Number: 19RPT02); Horizon 2020, EMPIR - European Metrology Programme for Innovation and Research, 2022 -
- H2020 project: COALA – COgnitive Assisted agile manufacturing for a LAbor force supported by trustworthy Artificial Intelligence (2020-2023, H2020, grant agreement no. 957296); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels. July 2021 (online meeting)

- H2020 project: DIH-World – Accelerating deployment and matureness of DIHs for the benefit of Digitisation of European SMEs (2020-2023, H2020, grant agreement no. 952176); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels. April 2021 (online meeting)
- H2020 project: SECURE IOT – Predictive Security for IoT Platforms and Networks of Smart Objects (2018-2021, H2020, grant agreement no. 779899); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels 2019, Brussels 2021 (online meeting)
- H2020 project: ENCOMPASS – Integrated design decision support to cover the whole manufacturing chain for a laser powder bed fusion process end to end (2017-2020, H2020, grant agreement no. 723833); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels 2018, Coventry 2020 (online meeting)
- H2020 project: MIDIH – Manufacturing Industry Digital Innovation Hubs (2017-2020, H2020, grant agreement no. 767498); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels 2018, Brussels 2019, Brussels (online) 2020
- H2020 project: ADALAM – Sensor based adaptive laser micromachining using ultrashort pulse lasers for zero-failure manufacturing (2015-2018, H2020, grant agreement no. 637045); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Enschede 2018
- H2020 project: CAxMan - Computer Aided Technologies for Additive Manufacturing (2015-2018, H2020, grant agreement no. 680448); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels 2017, Brussels 2018
- H2020: project MOTOR - Multi-Objective design Optimization of fluid eneRgy machines (2015-2018, H2020, grant agreement no. 678727); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels 2017, Brussels 2018
- H2020 project: BEinCPPS - Business Experiment in Cyber Physical Production Systems (2016-2019, H2020, grant agreement no. 680633); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels 2016, Brussels 2017, Brussels 2018
- H2020 project: Fortissimo 2 - Factories of the Future Resources, Technology, Infrastructure and Services for Simulation and Modelling 2 (2015-2018; Horizon2020, grant agreement no.680481); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels 2016, Brussels 2017
- FP7 project: Fortissimo - Enabling Manufacturing SMEs to benefit from High Performance, Computer-based Simulations (2013-2016, FP7, grant agreement no. 609029); EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Edinburgh 2014, London 2015, Brussels 2016, Edinburgh 2017

RECENZIJE MEĐUNARODNIH NAUČNIH PROJEKATA

Ekspert za ocenjivanje i selekciju predloga projekata

- Expert: Horizon Europe, HORIZON-CL4-2021-HUMAN-01-01 (Verifiable robustness, energy efficiency and transparency for Trustworthy AI: Scientific excellence boosting industrial competitiveness (AI, Data and Robotics Partnership), Horizon Europe Work Programme 2021-2022 Digital, Industry and Space; EUROPEAN COMMISSION, DG CNECT (Directorate General for Communications Networks, Content and Technology), Brussels, December 2021 – January 2022
- Expert: Horizon Europe, Call: TWIN GREEN DEAL AND DIGITAL TRANSITION 2021 - HORIZON-CL4-2021-TWIN-TRANSITION-01-08 (Data-driven Distributed Industrial Environments), Horizon Europe Work Programme 2021-2022 Digital, Industry and Space; EUROPEAN COMMISSION, European Health and Digital Executive Agency (HADEA), Brussels, November 2021
- M-ERA.NET- European research programmes in materials science and engineering, Joint Call 2021 –

- EURAMET - European Association of National Metrology Institutes, EMPIR Call 2021 – Green Deal and Normative, November 2021 -
- Eureka / Eurostars Joint Programme, 2021 -
- Expert: H2020, Call: H2020-ICT-2018-20, ICT-58-2020 (International partnership building between European and African innovation hubs), work programme H2020-2018 - 2020, EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels, August 2020
- Expert: H2020, Call: H2020-ICT-2018-20, Topic: ICT-38-2020 (Artificial intelligence for manufacturing), work programme H2020-2018 - 2020, EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels, February – March 2020
- Expert: H2020, Call: H2020-DT-2019-2, Topic: DT-ICT-03-2020 (Digitising and transforming European industry and services: digital innovation hubs and platforms: I4MS – phase 4 – uptake of digital game changer), work programme H2020-2018 - 2020, EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels, November 2019 – January 2020
- M-ERA.NET- European research programmes in materials science and engineering, 2020 –
- EURAMET - European Association of National Metrology Institutes, EMPIR Call 2020 - Industry, November 2020 -
- M-ERA.NET- European research programmes in materials science and engineering, 2019 –
- EURAMET - European Association of National Metrology Institutes, EMPIR Call 2019 - Energy, November, Amsterdam, 2019 -
- Eureka / Eurostars Joint Programme, 2019 -
- Innovation Fund, Serbia - Republic of Serbia, Innovation Fund, Mini & Matching Grants Programs (financed through IPA 2014 Direct Grant – “New products and services developed by SMEs through research commercialization), Belgrade, July / August 2019
- Expert: H2020, Call: H2020-ICT-2018-2020, Topic: ICT-01-2019 (Computing technologies and engineering methods for cyber-physical systems of systems), work programme H2020-2018 - 2020, EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels, Jun 2019
- H2020, Call: European Institute of Technology - EIT's 2018 Call for Knowledge and Innovation Centres - KICs, Tematic area: Added-value Manufacturing, work programme H2020, EUROPEAN COMMISSION, European Institute of Innovation and Technology (EIT), Budapest 2018
- Expert: H2020, Call: H2020-DT-2018-2020, Topic: DT-ICT-06-2018 (Digitising and transforming European industry and services: digital innovation hubs and platforms), Digitising and transforming European industry and services (DT), work programme H2020-2018 - 2020, EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology), Brussels, Jun 2018
- Eureka / Eurostars Joint Programme, 2019 -
- M-ERA.NET- European research programmes in materials science and engineering, 2018 –
- Eureka / Eurostars Joint Programme, 2018 -
- EMPIR – Metrology Research for Pre- and Co-normative Projects, EURAMET – European Association of National Metrology Institutes, 2017 –
- M-ERA.NET- European research programmes in materials science and engineering, 2017 –
- Eureka / Eurostars Joint Programme, 2017 –
- H2020, Call: H2020-FoF-2016 (Horizon 2020, Factories of Future), topic FoF-11: Digital Automation, work programme H2020-FoF-2015 - 2016, EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology) / DG R&I (Directorate General for Research & Innovation), Brussels, 2016
- M-ERA.NET- European research programmes in materials science and engineering, 2016 –
- EMPIR – Metrology Research for Pre- and Co-normative Projects, EURAMET – European Association of National Metrology Institutes, 2016 –

- Eureka / Eurostars Joint Programme, 2016 -
- Fund for Scientific Research – FNRS, Brussels; Call: 'F.R.S.-FNRS - Call Grants and Fellowships 2013, 2015, 2016, 2017, 2018 –
- H2020, Call: H2020-FoF-2015 (Horizon 2020, Factories of Future), topic FoF-08-2015, work programme H2020-FoF-2014 - 2015, Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing, EUROPEAN COMMISSION, DG CONNECT (Directorate General for Communications Networks, Content and Technology) / DG R&I (Directorate General for Research & Innovation), Brussels, 2015
- Eureka / Eurostars-2 Joint Programme, 2015
- COST - Open Call OC-2015-1, 2015
- ERANETMED - Euro-Mediterranean Cooperation Through ERANET, First Joint Call, 2015
- EMPIR – Industry & Environment, EURAMET – European Association of National Metrology Institutes, 2014
- ERA.NET RUS Plus 'Innovation Call', 2014
- COST - Open Call for Trans-Domain Proposals, Brussels, 2013
- M-ERA.NET- European research programmes in materials science and engineering; 2013
- FP7, Call: FP7-2013-NMP-ICT-FoF- theme 4 - Nanosciences, Nanotechnologies, Materials & New Production Technologies (NMP) – Factories of Future (FoF.NMP.2013), EUROPEAN COMMISSION, RESEARCH DIRECTORATE GENERAL - Nanosciences, Nanotechnologies, Materials & New Production Technologies (NMP) / Information and Communication Technologies (ICT), Brussels; 2013
- EMRP – Industry & Environment, EURAMET – European Association of National Metrology Institutes; 2012
- FP7, Call: FP7-2012-NMP-ICT-FoF- theme 4 - Nanosciences, Nanotechnologies, Materials & New Production Technologies (NMP) – Factories of Future (FoF.NMP.2012), EUROPEAN COMMISSION, RESEARCH DIRECTORATE GENERAL - Nanosciences, Nanotechnologies, Materials & New Production Technologies (NMP) / Information and Communication Technologies (ICT), Brussels; 2012
- FP7, Call: Nanotechnologies, Materials & New Production Technologies (NMP) – Factories of Future (FoF.NMP.2011-5); EUROPEAN COMMISSION, RESEARCH DIRECTORATE GENERAL, Nanosciences, Nanotechnologies, Materials & New Production Technologies (NMP) / Information and Communication Technologies (ICT), Brussels; 2011
- EMRP – Industry & Environment, EURAMET – European Association of National Metrology Institutes, 2010
- Expert: FP7 Large-scale integrating projects; Call: Information and Communication Technologies – Factories of Future (FP7-2010-NMP-ICT-FoF); EUROPEAN COMMISSION, Information Society and Media DIRECTORATE GENERAL, Information and Communication Technologies (ICT), Brussels, 2009 –

RECENZIJE NAUČNIH RADOVA U MEĐUNARODNIM NAUČNIM ČASOPISIMA (SCOPUS)

- International Journal of Advanced Manufacturing Technology, ISSN: 0268-3768, Springer
<http://www.springer.com/engineering/production+engineering/journal/170>
- The TQM Journal, ISSN: 1754-2731, Emerald
<http://www.emeraldinsight.com/journal/tqm>
- Measurement, Journal of the International Measurement Confederation ([IMEKO](http://www.imeko.org)), ISSN: 0263-2241, Elsevier
<http://www.journals.elsevier.com/measurement>
- International Journal of Production Research, ISSN 0020-7543 (Print), 1366-588X (Online), Taylor & Francis
<http://www.tandfonline.com/loi/tprs20>

- IEEE Transactions on Fuzzy Systems, ISSN: 1063-6706, IEEE Computational Intelligence Society
<http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=91>
- Journal of Advanced Manufacturing Systems, ISSN (print): 0219-6867 | ISSN (online): 1793-6896, World Scientific Publishing
<https://www.worldscientific.com/worldscinet/jams>
- Journal of Intelligent Manufacturing, ISSN:0956-5515 (print version), 1572-8145 (electronic version) Springer
<http://www.springer.com/business+%26+management/production/journal/10845>
- Swarm and Evolutionary Computation, ISSN: 2210-6502, Elsevier
<https://www.journals.elsevier.com/swarm-and-evolutionary-computation>
- Modelling, ISSN 2673-3951, MDPI
<https://www.mdpi.com/journal/modelling>
- Entropy, ISSN 1099-4300, MDPI
<https://www.mdpi.com/journal/entropy>
- Energies, EISSN 1996-1073, MDPI
<https://www.mdpi.com/journal/energies>
- Engineering Science and Technology, Elsevier
<https://www.journals.elsevier.com/engineering-science-and-technology-an-international-journal/>
- Stochastics and Quality Control, ISSN: 2367-2404 (Online), De Gruyter
<https://www.degruyter.com/view/j/eqc>
- IEEE Access, The Multidisciplinary Open Access Journal, IEEE.
<https://ieeaccess.ieee.org/>
- International Journal of Machining and Machinability of Materials, ISSN: 1748-5711 (Print), ISSN: 1748-572X (Online), InderScience Publishers
<https://www.inderscience.com/jhome.php?jcode=ijmmm>
- *Heliyon*, ISSN 2405-8440, CellPress, Elsevier
<https://www.sciencedirect.com/journal/heliyon>
- Engineering with Computers, ISSN: 0177-0667 (Print) 1435-5663 (Online), Springer
<http://link.springer.com/journal/366>
- International Journal of Information Technology & Decision Making, ISSN:0219-6220 (print version), ISSN: 1793-6845 (electronic version), World Scientific Publishing Co.
www.worldscinet.com/ijitdm
- Archive of Mechanical Engineering, ISSN 0004-0738, e-ISSN 2300-1895, Polish Academy of Sciences, Committee on Machine Building
<https://journals.pan.pl/dlibra/journal/ame/98228?language=en>
- Robotics and Computer Integrated Manufacturing, ISSN: 0736-5845, Elsevier
<http://www.journals.elsevier.com/robotics-and-computer-integrated-manufacturing>
- Neural Computing and Applications, ISSN: 0941-0643 (print version), ISSN 1433-3058 (electronic version), Springer
<http://www.springer.com/computer/theoretical+computer+science/journal/521>
- Computers & Industrial Engineering, ISSN: 0360-8352, Elsevier
<http://www.journals.elsevier.com/computers-and-industrial-engineering/>
- Optics & Laser Technology, ISSN: 0030-3992, Elsevier
<http://www.journals.elsevier.com/optics-and-laser-technology/>
- Engineering Optimization, ISSN 0305-215X (Print), 1029-0273 (Online), Taylor & Francis
http://www.tandfonline.com/loi/geno20#.VV4YZ_mqgko

- Mathematical Problems in Engineering, ISSN: 1024-123X (Print), ISSN: 1563-5147 (Online), Hindawi Publishing Corporation
<http://www.hindawi.com/journals/mpe/>
- Measuring Business Excellence, ISSN 1368-3047 (electronic version), Emerald Group Publishing Limited
www.emeraldinsight.com/mbe.htm
- International Research Journal of Engineering Science, Technology and Innovation
www.interestjournals.org/IRJESTI
- International Journal of Science and Technology Education Research, ISSN 2141-6559
<http://www.academicjournals.org/ijster>

2. ANGAŽOVANOST U RAZVOJU USLOVA ZA NAUČNI RAD, OBRAZOVANJU I FORMIRANJU NAUČNIH KADROVA

2.1 DOPRINOS RAZVOJU NAUKE U ZEMLJI

UČEŠĆE U PROCESU AKREDITACIJE VISOKOŠKOLSKIH USTANOVA I STUDIJSKIH PROGRAMA

- Učešće u recenzentskoj komisiji u procesu akreditacije visokoškolske ustanove / fakulteta i u procesu akreditacije studijskih programa; 2020
(Nacionalno telo za akreditaciju i proveru kvaliteta u visokom obrazovanju, Republika Srbija)

OTVARANJE NOVIH ISTRAŽIVAČKIH PRAVACA

Metropolitan Univerzitet, Beograd (2013 -)

- Uvođenje novih predmeta na doktorskim akademskim studijama: “Veštačka inteligencija”; “Eksperimentalno računarstvo”
- Pored gore navedenih, kandidatkinja predaje i sledeće predmete na doktorskim akademskim studijama: “Metodologija strateškog planiranja razvoja proizvoda”; “Metodologija naučnoistraživačkog rada”
- Autor većeg dela nastavnog materijala za navedene predmete na doktorskim studijama

Evropski Univerzitet, Beograd (2010 – 2013)

- Uvođenje novih predmeta na doktorskim studijama: “Menadžment znanja”

2.2. MENTORSTVO PRI IZRADI MAGISTARSKIH I DOKTORSKIH RADOVA, RUKOVOĐENJE SPECIJALISTIČKIM RADOVIMA

Univerzitet Metropolitan, Beograd, Fakultet informacionih tehnologija

- Pomoć pri izradi **doktorske disertacije** “Prilog dizajnu adaptivnih sistema za nastavu na bazi tehnologije računarskih igara” kandidatkinje **Valentine Paunović**, na **Fakultetu informacionih tehnologija Univerziteta Metropolitan, Beograd** (27.06.2018. odobren je rad na temi doktorske disertacije), što je dokumentovano zajedničkim radom navedenim pod rednim brojem 58 (M33).
- Pomoć pri izradi **doktorske disertacije** kandidata **Nebojše Gavrilovića**, na **Fakultetu informacionih tehnologija Univerziteta Metropolitan, Beograd**, što je dokumentovano zajedničkim radom navedenim pod rednim brojem 55 (M33).

Univerzitet u Beogradu, Mašinski fakultet

- Pomoć pri izradi **doktorske disertacije** “**Inteligentni koncept planiranja inspekcije prizmatičnih delova na mernoj mašini**” kandidata **Slavena Stojadinovića**, na **Mašinskom fakultetu Univerziteta u Beogradu** (17.09.2013 odobren je rad na temi doktorske disertacije, koja je u međvremenu i odbranjena; kandidat je izabran u zvanje docenta 2017.godine), što je dokumentovano zajedničkim radovima navedenim pod rednim brojevima: 13 (M21), 17 (M22), 29 (M24), 64 (M33), 67 (M33), 72 (M33); 119 (M52); 139 (M63).
- Pomoć pri izradi **doktorske disertacije** “**Uticaoj termičke i laserske obrade na promene u mikrostrukturi superlegura nikla**” kandidata **Sanje Petronić**, na **Mašinskom fakultetu Univerziteta u Beogradu** (doktorska disertacija odbranjena 16.07.2010.god), što je dokumentovano zajedničkim radom navedenim pod rednim brojem 20 (M22).
Pomenuti rad broj 20 (M22) je zvanično objavljen 2011.godine, ali je prva verzija rada predata 16.05.2010. godine, kada je izrada pomenute doktorske disertacije još uvek bila u toku.

Evropski Univerzitet, Beograd, Fakultet za inženjerski internacionalni menadžment

- Mentor master rada kandidata Mitrović Željka: “Menadžment sistema održavanja tehničke opreme: japanski pristup totalnog produktivnog održavanja”, 2012
- Mentor master rada kandidata Jeftović Filipa: “Uticaoj japanskog menadžmenta na razvoj menadžmena u Srbiji”, 2012
- Učešće u preko 20 komisija za odbranu master i magistarskih radova (2010-2013)
- Učešće u 2 komisije za ocenu i odbranu doktorskih radova (2010-2013)

2.3 PEDAGOŠKI RAD

Metropolitan Univerzitet, Beograd, Fakultet informacionih tehnologija, Fakultet za menadžment (2013-)

- Rad sa talentovanim studentima - – „*Zahvalnica za saradnju na takmičenju METROPOLITAN TALENTI na Univerzitetu Metropolitan*”, Beograd, 2017.god.
- Uvođenje novih predmeta na osnovnim i master akademskim studijama: “Revizija i kontrola IT sistema”; “Strategija i upravljanje IT sistemima”; “Upravljanje poslovnim procesima”, “Poboljšanje procesa”, “Metodologija upravljanja poslovnim procesima”.
Pored gore navedenih, kandidatkinja predaje i sledeće predmete na osnovnim akademskim studijama: “Planiranje i analiza procesa” i “Strategija operacija”.
- Autor kompletnog nastavnog materijala za sve navedene predmete na osnovnim i master studijama
- Kvalitet i nivo pedagoškog rada sa studentima OAS i MAS na oba fakulteta (Fakultet informacionih tehnologija, Fakultet za menadžment) na kojima je prof. dr Tatjana Šibalija angažovana kao redovni profesor je direktno iskazan naučnim radovima sa studentima koji su prezentovani na naučnim konferencijama međunarodnog značaja – radovi pod rednim brojevima 49, 51, 55 ÷ 61, 68 (kategorije M33), i radovi pod rednim brojevima 126 i 127 (kategorije M53).

Evropski Univerzitet, Beograd, Fakultet za inženjerski internacionalni menadžment (2010 – 2013)

- Uvođenje novih predmeta na master studijama: “Teorija odlučivanja”, “Upravljanje novim tehnologijama i inovacijama”
Pored toga, kandidatkinja je predavala i predmete “Upravljanje kvalitetom”; “Industrijsko inženjerstvo”; “Kvantitativne metode” na osnovnim studijama

2.4 MEĐUNARODNA SARADNJA

- Učešće u radu Evropske tehnološke platforme za proizvodne tehnologije (*European Technology Platform on Future Manufacturing Technologies*) - EU Manufuture Program
 - Učešće u izradi EU Manufuture strateške agende za istraživanje i inovacije 2030 “*Manufuture Strategic Research and Innovation Agenda (SRIA), 2030*”, 2018-2019
<http://www.manufuture.org/strategic-research-agenda/strategic-research-and-innovation-agenda-sria/>
 - Podpredsednik nacionalnog tima *European Technology Platform Manufuture - EU*, 2011 –
 - Potpredsednik *South-East Europe Alliance for Manufacturing - SEAM Initiative - Manufuture Village*, 2011 –
www.manufuture.org
- Uspostavljena saradnja sa: 1. *Bengal College of Engineering & Technology, Durgapur, India, Chief of Department of Mechanical Engineering, Bengal College of Engineering & Technology, cvb Durgapur, India*, 2. *PES Institute of Technology and Management, Shivamogga, Visveswaraya Technological University, Department of Mechanical Engineering, Belagavi, India*, 3. *National Institute of Technology Raipur, Department of Mechanical Engineering, India*, a rezultati zajedničkih istraživanja su prikazani
 - u radu pod red.br. 10: *A soft computing-based study on WEDM optimization in processing Inconel 625, Neural Computing and Applications*, DOI: 10.1007/s00521-021-05844-8 (Impact Factor = 4.77 – M21),
 - u radu pod red.br. 16: *Abrasive Water Jet Machining for a High Quality Green Composite: the Soft Computing Strategy for Modeling and Optimization*“, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, DOI: 10.1007/s40430-022-03378-1 (Impact Factor = 1.76 – M22).
- Učešće u radu javno-privatnog partnerstva „Fabrike budućnosti – EU program “*Factories of the Future Public/Private Partnership (PPP)*”, pri izradi strateške mape puta “*Strategic Multi-annual Roadmap 2009-2013*”
www.manufuture.org; www.effra.eu
- Učešće u razvoju novog studijskog programa na *Kaunas University of Technology* – studijski program „*Industrial Technology Management*“ – u toku
<https://stojantiesiems.ktu.edu/programme/b-industriniu-technologiju-vadyba/>, <http://ktu.edu/en/programme/b/industrial-technology-management>
- Učešće u radu svetskog foruma za proizvodnju – *World Manufacturing Forum 2012, 2014* (učesće u forumu je isključivo po pozivu)
<https://ec.europa.eu/digital-agenda/en/news/world-manufacturing-forum-2014-way-forward-prosperity-through-global-manufacturing>;
<http://www.worldmanufacturingforum.org/#!wmf-2014/c8j4>
- Studijski boravak po pozivu – stručno usavršavanje (januar – april 2007); *Politecnico di Milano, Faculty of Mechanical Engineering, Manufacturing and Production Systems* (stipendija vlade Republike Italije)

2.5 ORGANIZACIJA NAUČNIH SKUPOVA

- Član organizacionog komiteta međunarodne naučne konferencije *8th International Conference on Computer Information Systems and Industrial Management Applications (CISIM 2019)*, *Belgrade, Serbia, September 19-21, 2019*
www.metropolitan.ac.rs, <http://cisim2019.wi.pb.edu.pl/organizing-committee/>
- Predsedavajući i organizator međunarodnog naučnog skupa / radionice: *Work Shop “ManuFuture Village”*, *Belgrade, 2011, 2013*, -
<http://www.mas.bg.ac.rs/>, www.jusk.rs
- Član organizacionog komiteta međunarodne naučne konferencije “*International Convention on Quality UASQ*” 2014, *Belgrade, 2.-5. Jun 2014*; “*International Convention on Quality*” 2012, *Belgrade, 5.-7. Jun 2012*

- Predsednik programskog komiteta konferencije: *YUSQ International Conference "Six Sigma"*, u okviru konferencije *International Working Conference "Total Quality Management-Advanced and Intelligent Approaches"*, Beograd, 2011 - <http://www.mas.bg.ac.rs/>, www.jusk.rs

3. ORGANIZACIJA NAUČNOG RADA

3.1 RUKOVOĐENJE NAUČNIM PROJEKTIMA, PODPROJEKTIMA, ZADACIMA

- **Rukovođenje međunarodnim projektima:**

- Tehnički direktor projekta "ICT-enabled Intelligent Manufacturing for 24 Kv Gas Insulated Swithchgear", Precise Corporation Co., Ltd., Bangkok, Jun 2013 – Jun 2016. Projekat je finansiran od strane korisnika i Ministarstva industrije Kraljevine Tajland; u projektu učestvuju istraživači i eksperti iz Evropske Unije i Japana.
- Tehnički direktor projekta "Industry 4.0 concept, infrastructure development, and implementation in Precise ltd.", Precise Corporation Co., Ltd., Bangkok, Jun 2015 – Jun 2017. Projekat je finansiran od strane korisnika i Ministarstva industrije Kraljevine Tajland; u projektu učestvuju istraživači i eksperti iz Evropske Unije i Japana.

- **Rukovođenje potprojektom u okviru međunarodnog projekta:**

- Pod-projektat "Šest sigma model i primena" u okviru projekta: Tempus project IB_JEP-41120- 2007 (RS) "Education and Training of Institutions in Quality Management and Metrology (ETIQUM)" - subproject "Six sigma model and application", 2007-2009.

- **Rukovođenje potprojektom u okviru nacionalnog projekta:**

- Projekat za industrijskog korisnika: "Strategija upravljanja rizicima AD EMS";, nosilac projekta: Ekonomski Fakultet Univerziteta u Beogradu; prof.dr Tatjana Šibalija je bila rukovodilac podprojekta za oblast upravljanja IKT rizicima; Beograd 2020.god.

3.2 UČEŠĆE U NAUČNIM PROJEKTIMA

- **Član eksternog odbora H2020 projekta**

Member of External Advisory Board of the H2020 project TRINITY "Digital Technologies, Advanced Robotics and increased Cyber-security for Agile Production in Future European Manufacturing Ecosystems", (H2020-EU.2.1.1, Grant agreement ID: 825196, 2019-2022); 2020 -

<https://trinityrobotics.eu/>

- **Učešće u nacionalnim projektima:**

- TP-6372: "Razvoj i primena logističkih sistema za korišćenje i održavanje vozila i rudarske mehanizacije" – podprojekat "Menadžment sistema kvaliteta prema modelu ISO 9001:2000", Mašinski fakultet, Univerzitet u Beogradu, 2006.god.
- Projekat za industrijskog korisnika: "Primena Šest sigma metodologije za unapređenje kvaliteta procesa u kompaniji Metalac a.d.", Gornji Milanovac, 2005.-2007.god.

3.3 TEHNOLOŠKI PROJEKTI, PATENTI, INOVACIJE I REZULTATI PRIMENJENI U PRAKSI

- **Tehničko rešenje (novo tehničko rešenje primenjeno na nacionalnom nivou):**

- Petronić S., Čolić K., Kosanović N., Šibalija T., Sedmak A., Polić S. (2021) Osvajanje tehnologije ojačanja ugaonika i nosača polica od novih materijala laserskom obradom za primene kod skladišta na podestu i kod samonosećih poličnih skladišta na više nivoa
- Petronić S., Stević T., Dimitrijević S., Šibalija T., Sedmak A., Čolić K. (2021) Čišćenje papira iz XIX veka primenom laserskog snopa u nanosekundnom režimu

U proceduri / u toku

- Stević Z., Šibalija T., Petronić S., Milovanović D., Jarić M. (2020) Projektovanje parametara laserskog bušenja i sečenja superlegure nikla pomoću algoritma optimizacije rojem čestica - *prijava tehničkog rešenja prihvaćena od strane Nastavno-naučnog veća Tehničkog fakulteta u Boru, Univerziteta u Beogradu, 23.09.2020.god. (br.VI/4-13-7) i prosleđena nadležnom matičnom naučnom odboru*

- **Tehničko rešenje (bitno poboljšano tehničko rešenje primenjeno na nacionalnom nivou):**

- Petronić Sanja, Šibalija Tatjana, Milovanović Dubravka, Grujić Biljana, Polić-Radovanović Suzana (2014) Optimizacija parametara laserske površinske obrade u cilju poboljšanja mehaničkih osobina austenitnih materijala, Tehničko rešenje prihvaćeno od strane Nastavno-naučnog veća Mašinskog fakulteta (Univerzitet u Beogradu) na sednici od 25.12.2014. (Odluka br. 338/2).

- **Praktičan / eksperimentalni deo međunarodnih tehnoloških projekata**

- "ICT-enabled Intelligent Manufacturing for 24 Kv Gas Insulated Switchgear",
- "Industry 4.0 concept, infrastructure development, and implementation in Precise Ltd."

kojima je rukovodila kandidatkinja se sprovodi u kompaniji *Precise Corporation Co., Ltd., Bangkok*, i svi rezultati istraživanja i razvoja su direktno primenjeni u proizvodnom sistemu korisnika.

- **Praktičan eksperimentalni deo nacionalnih projekata za industrijskog korisnika**

- "Strategija upravljanja rizicima AD EMS", Beograd, 2020; - projekat čijim delom je rukovodila kandidatkinja (rukovodilac podprojekta za oblast upravljanja IKT rizicima) je implementiran u kompaniji Elektromreža Srbije, i svi rezultati istraživanja i razvoja su direktno primenjeni u sistemu korisnika.

- **Praktičan eksperimentalni deo nacionalnih projekata za industrijskog korisnika**

- "Primena Šest sigma metodologije za unapređenje kvaliteta procesa u kompaniji Metalac a.d.", Gornji Milanovac, 2005-2007 – projekat u kojem je učestvovala kandidatkinja je implementiran u kompaniji Metalac a.d., Gornji Milanovac, i svi rezultati istraživanja i razvoja su direktno primenjeni u proizvodnom sistemu korisnika.

3.4 RUKOVOĐENJE NAUČNIM I STRUČNIM DRUŠTVIMA

JUSK – Jedinstveno udruženje Srbije za kvalitet

- Član glavnog odbora, 2009 -
- Predsednik komiteta za Šest sigma i modele za unapređenje poslovnih procesa, 2018 –
- Predsednik komiteta za Šest sigma, 2005 –
www.jusk.rs

3.5 RUKOVOĐENJE NAUČNIM INSTITUCIJAMA

Univerzitet Metropolitan, Beograd

- Rektor Univerziteta Metropolitan, Jul 2017 – Januar 2018 (ostavka iz ličnih razloga)
www.metropolitan.ac.rs

4. KVALITET NAUČNIH REZULTATA

4.1 UTICAJNOST NAUČNIH RADOVA

Prof. dr Tatjana Šibalića je ostvarila izuzetne rezultate i naučni doprinos u više naučnih oblasti posvećenih unapređenju proizvodnog mašinstva, kao i projektovanja, razvoja i primene metoda na bazi tehnika veštačke inteligencije za rešavanje navedenih problema.

S obzirom na sveobuhvatnost, visoku efikasnost i široku primenjivost metoda baziranih na veštačkoj inteligenciji koje je razvila prof. dr Tatjana Šibalića, njeni naučni radovi su citirani ne samo u radovima / časopisima iz oblasti proizvodnog mašinstva, nego i u radovima / časopisima iz drugih oblasti koje pripadaju polju tehničko-tehnoloških nauka, kao i u radovima / časopisima koji pripadaju polju prirodno-matematičkih nauka (uglavnom iz oblasti primenjene statistike i računarskih nauka).

Detaljan pregled citiranosti radova prof. dr Tatjane Šibalije biće dostavljen po zahtevu.

4.2 POZITIVNA CITIRANOST RADOVA

Radovi su referencirani preko 550 puta (bez autocitata), od toga preko 400 puta u Kobson / SCOPUS / ISI / SCI citatnim indeksima (bez autocitata; *prema evidenciji kandidata*).

- Hiršov indeks je: h-index = 15, i10-index = 21 (ukupno, bez autocitata; *prema evidenciji kandidata – u prilogu*).
- Hiršov indeks je: h-index = 11, i10-index = 18 (u Kobson / SCOPUS / ISI / SCI citatnim indeksima, bez autocitata; *prema evidenciji kandidata – u prilogu*).
- Ukupan broj citata prema *Google Scholar* pretraživaču je 842; h-index = 17, i10-index = 25 (mart 2022).

4.2 POZITIVNA CITIRANOST KANDIDATOVIH RADOVA I PARAMETRI KVALITETA ČASOPISA

Časopisi u kojima je kandidatkinja objavila radove su uglavnom kategorije M21 i M22, sa izuzetno visokim renomeom u predmetnoj oblasti i visokim impakt faktorom: *Applied Soft Computing* – M21a; *Neural Computing and Applications* – M21; *Metals* - M21; *Journal of Intelligent Manufacturing* - M21; *Measurement* - M21; *International Journal of Production Research* - M21; *International Journal of Advanced Manufacturing Technology* - M21 / M22, itd.

Radovi kandidatkinje imaju visok uticaj u međunarodnoj naučnoj javnosti u smislu citiranosti, posebno uzevši u obzir značajan broj citata u radovima objavljenim u časopisima kategorija M21 i M22.

- Najuspešniji rad, u smislu citiranosti, je rad *An integrated approach to optimise parameter design of multi-response processes based on Taguchi method and artificial intelligence*, *Journal of Intelligent*

Manufacturing, DOI 10.1007/s10845-010-0451-y, koji je citiran 50 puta u Kobson / SCOPUS / ISI / SCI citatnim indeksima.

- Sledi rad po uspešnosti, u smislu citiranosti je rad *Multi-response design of Nd:YAG laser drilling of Ni-based superalloy sheets using Taguchi's quality loss function, multivariate statistical methods and artificial intelligence*, *International Journal of Advanced Manufacturing Technology*, DOI 10.1007/s00170-010-2945-3, koji je citiran 30 puta u Kobson / SCOPUS / ISI / SCI citatnim indeksima.

4.3 EFEKTIVNI BROJ RADOVA I BROJ RADOVA NORMIRAN NA OSNOVU BROJA KOAUTORA

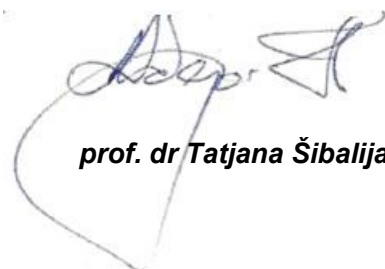
Svi navedeni radovi su u skladu sa Pravilnikom o sticanju istraživačkih i naučnih zvanja, i imaju puni efektivni broj poena. Radovi kandidatkinje koji imaju veći broj koautora (više od 3, a manje od 7) su radovi koji uključuju značajan eksperimentalni deo, i time, u skladu sa Pravilnikom imaju puni efektivni broj poena.

4.4 UGLED I UTICAJNOST PUBLIKACIJA U KOJIM SU OBJAVLJENI RADOVI

Prof. dr Tatjana Šibalija objavila je značajan broj visoko vrednovanih naučnih radova, i to: jednu istaknutu monografiju međunarodnog značaja – M11; 5 poglavlja u istaknutim monografijama međunarodnog značaja – M13; 2 poglavlja u monografijama međunarodnog značaja – M14, 1 rad u međunarodnom časopisu izuzetnih vrednosti – M21a; 6 radova u vrhunskim međunarodnim časopisima – M21; 7 radova u istaknutom međunarodnom časopisu – M22; 3 rada u međunarodnom časopisu – M23; 6 radova u časopisima međunarodnog značaja – M24; uređivanje tri publikacije sa monografskim delima kategorije M13 - M28a; član je uređivačkog odbora međunarodnog naučnog časopisa kategorije M24 - M29a; gostujući urednik nacionalnog naučnog časopisa – M29v; 7 predavanja po pozivu su saopštena na skupovima međunarodnog značaja i štampana su u celini – M31; 4 predavanja po pozivu su saopštena na skupovima međunarodnog značaja i štampana su u izvodu – M32; 64 rada je saopšteno na skupovima međunarodnog značaja i štampani su u celini – M33; 1 rad je saopšten na skupu međunarodnog značaja i štampan je u izvodu – M34; jednu istaknutu monografiju nacionalnog značaja - M41; 3 monografije nacionalnog značaja - M42; 4 poglavlja u monografijama nacionalnog značaja – M45; 6 radova u vodećem časopisu nacionalnog značaja – M51; 1 rad u istaknutom časopisu nacionalnog značaja – M52; 11 radova u naučnim časopisima – M53; uređivanje dva naučna časopisa nacionalnog značaja – M55; 1 predavanje po pozivu saopšteno na skupu nacionalnog značaja i štampano je u celini – M61; 3 rada saopštena su na skupu nacionalnog značaja i štampana su u celini – M63; 2 nova tehnička rešenja (metode) primenjena na nacionalnom nivou – M82; 1 bitno poboljšano tehničko rešenje na nacionalnom nivou – M84.

Časopisi u kojima je prof. dr Tatjana Šibalija objavila radove su uglavnom kategorije M21 i M22, sa izuzetno visokim renomeom u predmetnoj oblasti i zavidnim impakt faktorom: *Applied Soft Computing* – M21a; *Neural Computing and Applications* – M21; *Metals* - M21; *Journal of Intelligent Manufacturing* - M21; *Measurement* - M21; *International Journal of Production Research* - M21; *International Journal of Advanced Manufacturing Technology* - M21 / M22, itd.

U Beogradu, 03.03.2022.godine



prof. dr Tatjana Šibalija