

# Curriculum Vitae (CV)

## Personal Information

First and Last name: Nataša Milosavljević

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<https://www.researchgate.net/profile/Natasa-Milosavljevic-2>

<https://www.webofscience.com/wos/author/record/JSL-2307-2023>

## Work Experience

**2/2025.** – Head of Center for Biosystem Artificial Intelligence, Faculty of Agriculture, University of Belgrade, Nemanjina 6, 11080 Belgrade, Zemun

**15.04.2024.** - **Associate Professor**, Faculty of Agriculture, University of Belgrade, Nemanjina 6, 11080 Belgrade, Zemun

**12/2024.** – Head of seminar Data modeling and information systems in convergent technologies, Faculty of Agriculture, University of Belgrade, Nemanjina 6, 11080 Belgrade, Zemun

**04.09.2020.** - Head of Center for data mining and bioinformatics at Faculty of Agriculture, University of Belgrade; (<http://cipb.agrif.bg.ac.rs/>)

**08.07.2019.** – **Assistant Professor**, Faculty of Agriculture, University of Belgrade, Nemanjina 6, 11080 Belgrade, Zemun

**05.02.2016.- 8.7.2019.** – **Assistant**, State University of Novi Pazar, Vuka Karadžića bb, 36300 Novi Pazar

**01.09.2012. – 05.02.2016.** – **Teaching Associate**, State University of Novi Pazar, Vuka Karadžića bb, 36300 Novi Pazar

**01.01.2012. – 01.09.2012.** – **Young research associate**, Mathematical Institute SANU, Kneza Mihaila 32, 11000 Belgrade

**01.09.2009.-1.01.2012.** – **Teacher of Informatics and Mathematics**, X Belgrade High School Mihailo Pupin, 11000 Novi Beograd

**2007 – 1.09.2009.** – **Software developer**, Agencija Programer Glišović, Stara strugara lamela b/4, 36350 Raška.

## Education and Training

**2018.** – **PhD of Mathematical Sciences**, Faculty of Mathematics, University of Belgrade, Belgrade

**2009.** – **Graduate mathematician**, Faculty of Mathematics, University of Belgrade, Belgrade

## Organization abilities and Competences

Working on your computer in programming languages and with software packages: Microsoft Visual Studio.NET C #, Microsoft Visual Studio.NET C ++, Java, C ++, C, Python, DB2, YACC, Lisp, HTML, Fortran, Matlab, TeX, Microsoft Office, Windows, Perl, LINUX operating system, SPSS, R.

Certificate "How to think different and interdisciplinary", 2009, Institute of Psychology, Belgrade.

Web-design certificate, 2010, College of Electrical Engineering and Computing, Vocational Studies, Vojvode Stepe 283, Belgrade.

Certificate "Visual programming technics C #", 2010. College of Electrical Engineering and Computing, Vocational Studies, Vojvode Stepe 283, Belgrade.

Financial Expert Certificate, Belgrade Chamber of Commerce, 2011, issued by the Belgrade Chamber of Commerce

Certificate for Tax Advisor, Chamber of Commerce Belgrade, 2010/2011. years. Published by the Belgrade Chamber of Commerce.

She attended the TEMPUS Probability and Statistics project (44703-TEMPUS-1 -2008-1 -BATEMPUS-JPCR) in Podgorica, April 2011, where she completed the complete course with an average grade of A.

Attended CODE Theory course, under DAAD, 2012, in Bulgaria in Pomorie.

Attended EU Project Preparation and Writing Course, BSN Academy, 2012.

Lecture within the May Month of Mathematics, Kolarac, May 29, 2015, Josif Pancic Hall, Mathematics and Music: Tu-Mors Sequence in Music.

Lecture as part of the second national event "Bridge of Mathematics (Mathematics and Music)" (2015)

SANU Mathematical Institute, Seminar on Probabilistic Logics and their Applications (<http://www.mi.sanu.ac.rs/seminars/programs/seminar17.mar2015.htm> one of the lectures, and the rest can be viewed in more detail at <http://www.mi.sanu.ac.rs/seminars/seminar17.htm>)

Secretary of the Seminary of SANU, Mathematical Institute, for Probabilistic Logic from 2013-2019. [http://www.mi.sanu.ac.rs/novi\\_sajt/seminars/programs/seminar17.feb2018.php](http://www.mi.sanu.ac.rs/novi_sajt/seminars/programs/seminar17.feb2018.php)

## ***Lectures by invitation***

- Natasa Milosavljevic, The power of machine learning, The 12th conference of the Serbian ceramic society "Advanced ceramics and application" 18-20, September 2024. Serbian Academy of Sciences and Arts, Kneza Mihaila 35, Belgrade, Serbia, <http://www.serbianceramicsociety.rs/doc/aca11-20/aca12/ACA-XII-Book-of-abstracts.pdf>
- Natasa Milosavljevic, Utilizing machine learning for monitoring and predicting food safety, UNIFood Conference, June 28<sup>th</sup>-29<sup>th</sup>, 2024 University of Belgrade, <https://unifood.rect.bg.ac.rs/files/certificates/WORKSHOP/Natasa%20Milosavljevic.pdf>
- Natasa Milosavljevic, Application of Metaheuristic algorithms and different distances in predictions, 2nd Computer Science and Information Technology Virtual, V-CSIT2023, Feb 24-25, 2023.
- Natasa Milosavljevic, Application of artificial intelligence in agriculture, Faculty of Agriculture, Student conference within the University Partnership Program project.

## **Scientific papers in journals:**

1. Vukanić, V., Malović, M., Vukanić, D., & Milosavljević, N. (2024). Spatio-temporal distribution of the calanoid copepod genus *Centropages* in relation to environmental factors in the southern Adriatic Sea (NE Mediterranean). *Cahiers de Biologie Marine*, 65(1), 57-72.
2. Stamenković, A., Milosavljević, N., & Ralević, N. (2024). APPLICATION OF FUZZY METRICS IN CLUSTERING PROBLEMS OF AGRICULTURAL CROP VARIETIES. *Economics of Agriculture*, 71(1), 121-134.
3. Pavlov, J., Delić, N., Čamdžija, Z., Branković, G., Milosavljević, N., Grčić, N., & Božinović, S. (2024). Modelling of Genotype× Environment interaction for grain yield of late maturity maize hybrids in Serbia by climate variables. *Chilean journal of agricultural research*, 84(2), 144-153.
4. Natasa S Milosavljevic, Nebojsa M Ralevic, „Fuzzy methaheuristic model for copy-move forgery detection on images“, *Multimedia Tools and Application*, 2023, <https://link.springer.com/article/10.1007/s11042-023-17053-7>.
5. Nataša Milosavljević, Application of coding in children aged three to eight, *STEMology, Journal of STEM teaching preparation, STEM theory section*.

6. Milenković, M., **Milosavljevic, N.**, Bojović, N., & Val, S. (2021). Container flow forecasting through neural networks based on metaheuristics. *Operational Research*, 21, 965-997.
7. Pavlović, A., Glišović, N., Gavrovska, A., & Reljin, I. (2019). Copy-move forgery detection based on multifractals. *Multimedia Tools and Applications*, 78, 20655-20678.
8. Vukanic, V., Glisovic, N., Jaksic, T., Zivic, N., & Vukanic, D. (2018). Seasonal abundance of copepods in the Bojana Estuary (southeastern Adriatic Sea). *Fresen. Environ. Bull*, 27, 7209-7221.
9. Glišović, N., Ralević, N. M., & Čebić, D. (2018). A variant of McDougall-Wotherspoon method for finding simple roots of nonlinear equations. *Scientific Publications of the State University of Novi Pazar Series A: Applied Mathematics, Informatics and mechanics*, 10(1), 55-61. (M52)
10. Vukanić, V., Vukanić, D., Filipović, M., Glišović, N., & Sezgin, M. (2018). Spatial and temporal distribution of Temoridae species in coastal waters of the Southeast Adriatic (NE Mediterranean). *Cah Biol Mar*, 59(3), 205-215., DOI: 10.21411/CBM.A.A9061453. (M23)
11. **Natasa Glisovic**, Miodrag Raskovic, „Optimization for Classifying the Patients Using the Logic Measures for Missing Data“, SCIENTIFIC PUBLICATIONS OF THE STATE UNIVERSITY OF NOVI PAZAR, vol. 9 no. 1, ISSN 2217-5539 (Print), ISSN 2466-3778 (Online) (M52)
12. Glogic Edin, Zogic Emir, **Glisovic Natasa**, Remarks on the upper bound for the Randic energy of bipartite graphs, DISCRETE APPLIED MATHEMATICS, (2017), vol. 221 br. , str. 67-70. (M22)
13. **Natasa Glisovic**, Milos Milenkovic, Nebojsa J. Bojovic, Libor Svadlenka, Zoran Avramovic, „A hybrid model for forecasting the volume of passenger flows on Serbian railways“, Operational Research 16(2): 271-285 (2016) (M23)
14. Bojan Dimitrijevic, Vladimir Djakovic, Goran Andjelic, **Natasa Glisovic**, „Sunceve pege i berzanska trzista: Empirijski dokazi medjuzavisnosti u zemljama tranzicije“, Poslovna ekonomija, br 1/2016, ISSN 1820-6859, str 1-25. (M24)
15. Zoran Jovic, Kosana Vicentijevic, **Natasa Glisovic**, „SUSTAINABLE GROWTH RATE OF AGRICULTURAL AND FOOD ENTERPRISES IN SERBIA“, Economics of Agriculture, Vol. LXIII, no. 1 (1-9), 2016, Beograd, ISSN: 0352-3462 (M24)
16. **Natasa Glisovic**, „Time-cost Trade-off Analysis of Project Using Fuzzy-Genetic Approach“, ECONOMICS AND SOCIAL SCIENCE, (2013), vol. 13 br. , str. 121-126.
17. **Natasa Glisovic**, **Comparison of a Fuzzy Genetic and Simulated Annealing Algorithm Approach for Project Time-Cost Tradeoff**, Journal of Applied Mathematics 07/2014; 2014(Article ID 817921):12.(M22)
18. Svetlana Dabić-Ostojić, Momčilo Miljuš, Nebojša Bojović, **Nataša Glišović**, Miloš Milenković, **Applying a mathematical approach to improve the tire retreading process**, Resources Conservation and Recycling 01/2014; 86:107–117. (M21)
19. Miloš Milenković, Nebojša Bojović, Rita Almeida Ribeiro, **Nataša Glišović**, A Fuzzy Simulated Annealing approach for project time-cost tradeoff, Journal of Intelligent and Fuzzy Systems, Vol 23/No 5, 2012, str. 203-215, SCI IF 0.692 (2011.) M23 - Computer Science, Artificial Intelligence; 82/111 (2011). (M23)

## Papers from a thematic international journal:

1. **Nataša Glišović**, Nevena Vujošević, ” Tu-Mors sequence and principles of recursion in the Third Symphony by Pera Norgal ”, XII International Scientific Conference Serbian Language. literature, art, Kragujevac, Faculty of Philology and Arts, 27-28. October 2017 FILUM.

## Technical solutions:

1. **Natasa Glisovic**, Miodrag Raskovic, Sanvila Raskovic, Aleksandra Popadic-Peric, Vojislav Djuric, Patient Classification System, Technical Solution, 2016.
2. **Natasa Glisovic**, Miodrag Raskovic, Sanvila Raskovic, Aleksandra Peric Popadic, Vojislav Djuric, Clinical Decision Support System Based on Comparison of Patients Based on Clinical and Laboratory Parameters Using Hamming Distance, Technical Solution, 2015.
3. Zoran Ognjanovic, Miodrag Raskovic, Zoran Markovic, **Natasa Glisovic**, Ivan Cukic, Milica Knezevic, Djuric Vojislav, Peric-Popadic Aleksandra, Raskovic Sanvila, Electronic Health Record of

Patients of the Clinic of Allergology and Immunology of the Clinical Center of Serbia, Carrier:  
Mathematical Institute of the SASA Link: medicina.mi.sanu.ac.rs/ubermin/

Keywords: semantic database design, patient tracking

## Papers in conference proceedings:

- Ralević, Nebojša ; Šćekić, Julija ; Milosavljević, Nataša, METOD ZA UVEĆANJE DIGITALNE SLIKE BAZIRAN NA INTERVALNIM FAZI SKUPOVIMA, META 2024.
- Nataša S. Milosavljević, Nebojša M. Ralević, Bratislav D. Iričanin, DETERMINING THE OPTIMAL NUMBER OF CHARACTERISTIC VECTORS IN
- Nataša S. Milosavljević, Nebojša M. Ralević, Bratislav D. Iričanin, MEDICAL DIGITAL IMAGES, pp.261-268, COAST 2024. III INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY, ISBN 978-9940-611-08-8, Herceg Novi, Montenegro, 29. May - 1. June 2024.
- Peleš Tadić, A., Vuković, G., Kojović, A., Stojanović, D., Vlahović, B., Milosavljević, N., ... & Pavlović, V. B. (2023). Fractal analysis and microstructure development of BaTiO<sub>3</sub> and PVDF based multifunctional materials. In Programme and The Book of Abstracts/International Conference of Experimental and Numerical Investigations and New Technologies-CNN TECH 2023, 04–07 July 2023, Zlatibor, Serbia (p. 46). Belgrade: University of Belgrade-Faculty of Mechanical Engineering.
- Irma Ibrišimović, Bratislav Iričanin, Nataša Milosavljević, Ljubo Nedović, Nebojša Ralević, „Fuzzy Numbers and Analysis of Radiological Images“, (2023), Intelligent and Fuzzy Systems Intelligence and Sustainable Future, Proceedings of the INFUS 2023 Conference, Volume 2, held August 24-26, 2023, 108-115, Lecture Notes in Networks and Systems, Springer. (LNNS, volume 759), ISBN 978-3-031-39776-9, ISBN 978-3-031-39777-6 (eBook) Series ISSN 2367-3370, Series E-ISSN 2367-3389, <https://doi.org/10.1007/978-3-031-39777-6>
- Vladimir Pavlović, Nataša Milosavljević, The Application of AI and Quantum Computing in STEM Education, Constructive Mathematics as a Bridge Between Classical Mathematics, Mathematical Education, Philosophy of Mathematics and Computer Sciences - An Appealing Intellectual Unification, CM:FP 2023, Jun 26-30, Niš.
- Natasa Milosavljevic, Nebojsa Ralevic, Ljubo Nedovic, Vladimir Ilic, Bratislav Iricanin, „A detection of changes in the image using fractal analysis“, 2nd International Conference, Conference On Advances in Scinece and Tehnology, COAST 2023, 31 May- 03 June 2023 Herceg Novi, Montenegro.
- Natasa Milosavljevic, Biljana Glisovic, Nase istrazivanje primene programa Scratch Junior, Digitalno Obrazovanje 2023, 28.-29. april, 2023.
- Natasa S. Milosavljevic, Nebojsa M. Ralevic, HIBRIDNI ALGORITAM ZA KLASIFIKOVANJE PODATAKA, str. 91-96, The 7th Conference on Mathematics in Engineering: Theory and Applications, META 2022, Faculty of Technical Sciences, May 27-28th, 2022, Novi Sad, Serbia, ISBN 978-86-6022-438-7
- Natasa Milosavljevic, Nebojsa Ralevic, Lidija Comic, Andrija Blesic (2021). A Hybrid System for Copy- Move Forgery Detection. Intelligent and Fuzzy Techniques for Emerging Conditions and Digital Transformation, Proceedings of the INFUS 2021 Conference, held August 24-26, 2021. Volume 1, 733-740. Lecture Notes in Networks and Systems, Springer. ISBN 978-3-030-85626-7, Series ISSN 2367-3370, Series E-ISSN 2367-3389, Number of Pages XVIII, 954, Edition Number 1. doi.org/10.1007/978-3-030-85626-7, <https://link.springer.com/content/pdf/10.1007>
- Natasa S. Milosavljevic, Nebojsa M. Ralevic, OTKRIVANJE FALSIFIKOVANOG SADRZAJA NA SLICI NASTALOG KOPIRANJEM I PREMESTANJEM NJENIH DELOVA, str. 86-91, The 6th Conference on Mathematics in Engineering: Theory and Applications, META 2021, Faculty of Technical Sciences, June 11-13th, 2021, Novi Sad, Serbia, ISBN 978-86-6022-346-5
- Nataša S. Milosavljević, Nebojša M. Ralević, Fuzzy Metaheuristics Algorithm for Copy-Move Forgery Detection in Images, 20th International Workshop on Combinatorial Image Analysis, Novi Sad, Serbia, 16-18 Jul, 2020, Springer Nature Switzerland AG 2020 T. Lukić et al. (Eds.): IWCIA 2020, LNCS 12148, pp. 273–281, 2020. [https://doi.org/10.1007/978-3-030-51002-2\\_20](https://doi.org/10.1007/978-3-030-51002-2_20).

- Vladimir Pavlović, Nataša Milosavljević, Vera Pavlović, Branislav Vlahović, “Artificial intelligence and digital technologies in digitally-supported university education“, Mathematics for Human Flourishing in the Time of COVID-19 and Post COVID-19: Proceedings of the Workshop held at the Faculty of Mechanical Engineering, University of Nis, Nis, 21 of October 2020, De Gruyter, 2023, ISBN 978-3-11-073862-9.
- Nikola Knežević, Nataša Milosavljević, Miloš Milenković, Nebojša Bojović, Comparative Analysis Of Parametric And Nonparametric Models For Forecasting The Volume Of Express Mail Services, XXXVII Symposium on New Technologies in Postal and Telecommunications – PosTel 2019, Belgrade, 3. i 4. December 2019.
- Aleksandra Pavlović, Nataša Milosavljević, Ana Gavrovska, Irini Reljin, „A new method for detecting copy move changes in images“ (Invited presentation), 27th Telecommunication Forum TELFOR 2019, Belgrade, Serbia, November 26-27, 2019.
- Nataša Milosavljević, Aleksandra Pavlović, „Multifractal Image Forgery Using Logistic Regression“, IcETRAN, 3-6. juna, Srebarno jezero, Srbija, 2019.
- Nikola Knezevic, Natasa Glisovic, Milos Milenkovic, Nebojsa Bojovic, "Forecasting Postal Service Revenues Using Metaheuristic-Based Neural Networks", XXXV Symposium on New Technologies in Postal and Telecommunications - PosTel 2018, Belgrade, December 4-5 2018.
- Aleksandra Pavlovic, Ana Gavrovska, Natasa Milosavljevic, "The Skyline Image Segmentation Using Color and Detail Clustering", 14th Symposium on Neural Networks and Applications (NEUREL), Belgrade, Serbia, November 20-21, 2018
- Natasa Glisovic, Tatjana Davidovic, Miodrag Raskovic, “Clustering incomplete data by bee colony optimization: two case studies”, 5th International Conference "CONTEMPORARY PROBLEMS OF MATHEMATICS, MECHANICS AND INFORMATICS" The State University of Novi Pazar, 17-19. June 2018, Novi Pazar, Serbia.
- Natasa Glisovic, Nebojsa Ralevic, Dejan Cebic, “A McDougall-Wotherspoon Method for Finding Simple Roots of Nonlinear Equations”, 5th International Conference "CONTEMPORARY PROBLEMS OF MATHEMATICS, MECHANICS AND INFORMATICS" The State University of Novi Pazar, 17- 19. June 2018, Novi Pazar, Serbia.
- Tatjana Davidovic, Natasa Glisovic, Miodrag Raskovic, "Bee colony optimization for clustering incomplete data", The 7th International Conference on Optimization Problems and Their Applications OPTA-2018, July 8-14.
- Nataša Glisovic, Tatjana Davidovic, Nebojsa Bojovic, Nikola Knezevic, "Statistical and Mathematical Methods for Solving Postal Data Clustering Problems When Incomplete," XXXV Symposium on New Technologies in Postal and Telecommunications Traffic, PosTel 2017, pp 23-31. December 5-6, 2017.
- Nataša Glisovic, Dusica Radonjic, COMPOSITE INDICATORS CONSTRUCTION IN CASH FLOWS MILK PRODUCTS BASED ON IVANOVIC DISTANCE, At University of Belgrade, Faculty of Agriculture, Nemanjina 6, 11080 Belgrade, Serbia, October 2017.
- Glisovic, N., Davidovic, T., and Raskovic, M., Clustering when data are missing using the variable environment method, SYM-OP-IS, Zlatibor, 25-28. September, pp. 158-165, 2017.
- Natasa Glisovic, An Optimization Algorithm for K-Means Clustering with Missing Data Using Simulated Annealing, OR in the Digital Era - ICT Challenges / June 8-10, 2017 / Thessaloniki, Greece, HELORS 2017.
- Milos Milenkovic, Natasa Glisovic, Nebojsa Bojovic and Susana Val, Container flow forecasting through neural networks based on metaheuristics, OR in the digital era - ICT challenges / June 8-10, 2017 / Thessaloniki, Greece, HELORS 2017.

- Stevan Canak, Zoran Markovic, Natasa Glisovic, "PRODUCTION-ECONOMICAL SPECIFICS OF RAINBOW TROUT PRODUCTION IN MOUNTAIN AREAS", International Conference: Sustainable Development of Mountain Areas - Experiences, Challenges and Perspectives Zabljak, September 14-16, 2016.
- Natasa Glisovic, Miodrag Raskovic, "The System for Decision Support in Diagnosis of Systemic Autoimmune Diseases", 4th International Conference "CONTEMPORARY PROBLEMS OF MATHEMATICS, MECHANICS AND INFORMATICS" The State University of Novi Pazar, June 19, 20 and 21. 2016, Novi Pazar, Serbia.
- Emir Zogic, Edin Glogic, Natasa Glisovic, "Remarks on the upper bound for Randic index of bipartite graphs", 4th International Conference "CONTEMPORARY PROBLEMS OF MATHEMATICS, MECHANICS AND INFORMATICS" will be held at The State University of Novi Pazar, 19 , 20 and 21. June 2016, Novi Pazar, Serbia.
- Natasa Glisovic, "The Comparison of the Hybrid with the Traditional Model of Neural Networks in the Prediction of the Stock Market Index BELEX15", 2nd International Conference on Electrical, Electronic and Computing Engineering, IcETRAN, Silver Lake, Serbia; 06/2015.
- Natasa Glisovic, Milos Milenkovic, Nebojsa Bojovic, "COMPARISON OF SARIMA-GA-ANN AND SARIMA-ANN FOR PREDICTION OF RAILWAY PASSENGER FLOWS", 4th International Symposium and 26th National Conference on Operational Research, Chania, Greece, 06/2015 .
- Milos Milenkovic, Nebojsa Bojovic, Natasa Glisovic, Libor Svadlenka, "Optimization of rail freight car fleet sizing problem", 4th International Symposium and 26th National Conference on Operational Research, Chania, Greece, 06/2015.
- Natasa Glisovic, M. Milenkovic, N. Knezevic, N. Bojovic, "Comparison Of Var Models And Univariate Neural Networks For Forecasting The Volume Of Postal Activities", Pos 2014, 2014 THE THIRTY SECOND SYMPOSIUM ON NOVEL TECHNOLOGIES IN POSTAL AND TRAFFIC Faculty of Transport and Traffic Engineering, Serbia, Belgrade, 12/2014.
- Vladimir Djakovic, Nebojsa Ralevic, Jelena Kiurski, Goran Angelić, Natasa Glisovic, "An empirical investment return prediction: the case of the Republic of Serbia", University of Novi Sad - Faculty of Technical Sciences, Department of Industrial Engineering and Management , 15.-17.10., Novi Sad, Serbia, 2014.
- Nebojsa Ralevic, Natasa Glisovic, Vladimir Djakovic, Goran Andjelic, The Performance of the Investment Return Prediction Models: Theory and Evidence, Sisy 2014.
- Natasa Glisovic, Project management using Bayesian Belief Networks, TINKOS 16.6.2014. Nis.
- Miloš Milenkovic, Nebojša Bojovic, Rešad Nuhodžić, Nataša Glišović, A STOCHASTIC MODEL PREDICTIVE CONTROL APPROACH TO RAIL FREIGHT CAR FLEET SIZING PROBLEM, 1<sup>st</sup> International Conference on Engineering and Applied Sciences Optimization 4-6 June 2014, Kos, Greece.
- Natasa Glisovic, The Application of the Bayesian Networks to the Uncertainty During the Project Management, 1st International Conference on Electrical, Electronic and Computing Engineering, Vrnjacka Banja, Srbija; 06/2014.
- Natasa Glisovic, Vladimir Djakovic, Goran Andjelic, Nebojsa Ralevic, A closer examination of the extreme value theory model in value at risk assesment, CPMMI2014, State University of Novi Pazar; 06/2014.
- Aleksandra Pavlovic, Natasa Glisovic, Image Statistics for Digital Image Forensics, CPMMI2014, State University of Novi Pazar; 06/2014 .

- Natasa Glisovic, Nebojsa Ralevic, Goran Andjelic, Vladimir Djakovic, Fuzzy-Neural Networks Systems for Stock Market Prediction, CPMMI2014, State University of Novi Pazar; 06/2014.
- Milos Milenkovic, Nebojsa Bojovic, Natasa Glisovic, Resad Nuhodzic, Comparison of Sarima-Ann and Sarima-Kalman Methods for Railway Passenger Flow Forecasting, The Second International Conference on Railway Technology: Research, Development and Maintenance, Ajaccio, Corsica, France; 04/2014.
- Natasa Glisovic, N. Knezevic, Bojovic N., Milos M, SARIMA-KALMAN model za predviđanje obima postanskih usluga, Simpozijum o novim tehnologijama u potanskom i telekomunikacionom saobraćaju, Saobraćajni fakultet, Beograd; 12/2013.
- Natasa Glisovic, Marija Milojevic, Decision support system for mechanical engineering , AIIT International conference on applied internet and information technologies, Zređnjani, Srbija; 10/2013.
- Nataša Glišović, „Time-cost trade-off analysis of project using Fuzzy-Genetic approach“, ICESS 2013, Melbourne, Januar 20-21, 2013.
- Milan Božić, Nataša Glišović, Miloš Milenković, “Modelovanje neizvesnosti pri upravljanju projektima u Pošti Srbije” , PosTel 2012 XXX Simpozijum o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju, pp. 97-104.
- Nataša Glišović, „Bayesian-GA Reasoning Risk Management for a Company Restructuring project“, AIIT International conference on applied internet and information technologies, pp. 446-450, ISBN/ISSN: 978-86-7672-173-3, 2012.
- Nataša Glišović, „Support system in deciding paternity test which involves mutations“, SISY (10<sup>th</sup> IEEE International Symposium on Intelligent Systems and Informatics), 2012.
- Nataša Glišović, Almeida Ribeiro Rita, Miloš Milenković, Nebojša Bojović, Petrović Vladeta, „A SA-BASED SOLUTION PROCEDURE FOR FUZZY TIME-COST TRADEOFF“, International Scientific Conference From Global Crisis to Economic Growth Which Way to Take?, 2012.
- Nataša Glišović, „A decision making model in risk management“, SYM-OP-IS 2012, XXXIX Simpozijum o operacionim istraživanjima, 2012.
- Marčeta D., Šegan S., Glišović N., Detection of the Mutual Periodical Changes in the Earth rate of Rotation and the Solar Activity by Singular Spectrum Analysis, The Journées 2011 are co-sponsored by the International Astronomical Union (IAU) and the International Association of Geodesy (IAG), pp. 172-173, ISBN/ISSN: 978-2-901057-67-3, Viena.
- Glišović Nataša, „System for Random Match Probability“, SISY 2011, Subotica, pp. 131, ISBN/ISSN: 978-1-4577-1975-2, 2011.
- Nataša Glišović, „System for DNA Visualization and Clustering in Searching Through Information“, CINTI 2010, Budapest, 2010, pp. 169.
- Nataša Glišović, „The system to support the decision-making in detecting genetic mutations“, SISY 2010, Subotica, pp. 43-46.
- Nataša Glišović, „Decision support system for a project activity time forecasting based on Fuzzy Pert method“, Information Technology Interfaces (ITI), Cavtat, 2010, pp. 231-236.
- Nebojša Bojović, Nataša Glišović, Miloš Milenković, Nikola Knežević, „SISTEM ZA PODRŠKU ODLUČIVANJU PRI REINŽENJERINCU POSLOVNIH PROCESA POŠTANSKIH OPERATERA“, POSTEL 2009, Beograd, pp 49-56.

- Nataša Glišović, Nebojša Bojović, Miloš Milenković, „Decision support system for a project management application“, CFE 2009. Cyprus, pp. 108.
- Nataša Glišović, Nebojša Bojović, Miloš Milenković, „Fuzzy reasoning approach for a postal company restructuring project“, SISY 2009, Subotica, pp. 141-144.
- Nataša Glišović, „Fuzzy clustering in searching through information“, IEE ECBS-EERC 2009, Novi Sad, pp. 142-144.
- Nataša Glišović, Anđelka Zečević, „Conversion of texts by applying the memory based learning“, SISY 2008, Subotica, pp. 181-183.

## Announcements at international conferences:

1. Nataša Glišović, "Decision Support System in the Dairy Industry", The first conference event, titled Ecology, environment protection and sustainable/renewable energy sources (EZO2012), University of Novi Sad, Faculty of Subotica Economics, Serbia, str. 3, 2012.
2. Petar Glišović, Nataša Glišović, Stevo Šegan, "NTP servers: astronomical versus civilian time and times scales", XVI NATIONAL CONFERENCE OF ASTRONOMERS OF SERBIA, Belgrade, ISBN/ISSN: 0373-3742, 2011.

## Announcements at domestic meetings:

1. Edis Mekic, Natasa Glisovic, Aleksandra Pavlovic, "Statistical Analysis of the Product Ratio of Two Independent Weibull Random Variables and Gamma Random Variables," 14 SMAK Mathematical Congress, May 16-19, Kragujevac, Serbia, pp. 230, 2018. ISBN : 978-86-6009-055-5.
2. Nataša Glisovic, "THE STATISTICAL SYSTEM FOR DECISION SUPPORT FOR RISK MANAGEMENT PROCESSES", ETRAN 2013, Zlatibor.
3. Natasa Glisovic, "A Fuzzy Regression Model Approach for Medical Research", Probabilistic Logics and Their Applications, p. 24, 2012.
4. Marija Milojevic, Zoran Ognjanovic, Natasa Glisovic, "Application of the Bayesian Network to Reliability Assessment of a Mechanical System", Probability Logics and Their Applications, p. Oct 35, 2012
5. Natasa Glisovic, "REVIEW OF SYSTEM FOR QUALITATIVE DNA ANALYSIS" ETRAN 2012, Zlatibor.
6. Nataša Glisovic, "Analysis of DNA mixtures using Bayesian networks", Probability Logic and Applications, Mathematical Institute of SANU, p. 16, Belgrade, 2011.
7. Natasa Glisovic, Milan Bozic, "The System for Random Man Not Excluded", Probability Logic and Applications, Mathematical Institute SANU, p. 36, Belgrade, 2011.
8. Natasa Glisovic, "Implementation of the System for Reassolving Mixed DNA Samples" ETRAN 2011, Banja Vrucica, Teslic, p. 3.
9. Natasa Glisovic, "System for simulation of molecular biological processes", ETRAN 2010, Donji Milanovac.
10. Nevena Vujošević, Nataša Glišović, Thue-Morse sequence in music, ETRAN 2010, Donji Milanovac.
11. Natasa Glisovic, Fuzzy logic in management, ETRAN 2009. Vrnjacka Banja.



12. Natasa Glisovic, Andjelka Zecevic, "Conversion of texts applying reading memory based" (Awarded by prize for Young Reseachers), ETRAN 2008, Palic.

13. Natasa Glisovic, "Implementation, Interpretation and Procedures of Identification on Non-Inconsistency and Determination", ETRAN 2007, Herceg Novi.

## Posters:

1. Tatjana Davidović, Nataša Glišović, Miodrag Rašković, „Clustering objects with large amount of missing data“, US-Serbia & West Balkan Data Science Workshop that will be held in Belgrade, Serbia, August 26-28, 2018.

## Workshops:

1. Summer school, „Value Chain Management in Teaching and the Workshoop“ 'Dairy Value Chain in Germany' at the University of Applied Sciences Weihenstephan-Triesdorf, from 9th to 23rd July 2016.

2. 13th International Workshop on Algebraic and Combinatorial Coding Theory ACCT2012, in Bulgaria, Pomorie, June 15-21, 2012.

3. 14th International Workshop on Non-Monotonic Reasoning, in Rome, Italy, June 8-10, 2012.

## Projects

1. Grant Program: Proof of concepts, Science Fund of the Republic of Serbia, 2024. Head of project Natasa Milosavljevic, Project Title: A Decision-Making System for Achieving Remission in Rheumatoid Arthritis (DARMAR).

2. Grant Program: PRIZMA, Science Fund of the Republic of Serbia, 2023. Project title: Mathematical Methods in Image Processing under Uncertainty (MaMIPU)

3. Grant Program: Development of higher education (Razvoj visokog obrazovanja), 2021. Head of project Natasa Milosavljevic, Project Title: Artificial intelligence and digital technologies in agriculture, ViDtArgo.

4. Grant Program : University Partnership Program (FY2021), 2021, Project Title: Artificial Intelligence and Digital Technologies for Distance Learning University Education.

5. CA19124 CIRCUL-A-BILITY, Rethinking Packaging for Circular and Sustainable Food Supply Chains of the Future, 2020.

6. ERASMUS+ Programme, 2016.

7. Development of new information and communication technologies, using advanced mathematical methods, with applications in medicine, telecommunications, energy, national heritage protection and education - III 44006 (since 2011)

## Books

Title: Practicum in Informatics

Authors of Natasa Milosavljevic and Dusan Dencic

Issued by the Faculty of Agriculture in 2024

ISBN: 978-86-7834-442-8

Title: Collection of solved problems in mathematics for students of the Faculty of Agriculture

Authors of the collection: Vanja Stepanovic, Natasa Milosavljevic, Zorica Spasic

Issued by the Faculty of Agriculture in 2022

ISBN: 978-86-7834-412-1

## Stay at the Universities

University of North Carolina, NCCU, May, 2023.

## Participation in the commission

Soft Computing Research Society, Membership Number: 2024-01-15-3820, Membership Date: 2024-01-15

Member of the committee for the defense of the doctoral dissertation.

Member of the commission for two master theses at the Faculty of Technical Sciences, University of Novi Sad.

Member of the selection committee for positions at the Faculty of Agriculture, University of Belgrade and at the Faculty of Technical Sciences, University of Novi Sad.

## Expert and Reviewer Appointments

Selected as a reviewer for the accreditation and external quality assessment of higher education institutions and study programs by the National Entity for Accreditation and Quality Assurance in Higher Education of Serbia (Decision dated December 5, 2024)

Registered as a reviewer for NAT projects (National Scientific Research Programs) in Serbia.

Appointed to the list of experts for the accreditation of higher education programs by the Agency for Control and Quality Assurance of Higher Education of Montenegro, as of December 31, 2024.

Included in the expanded list of experts eligible for engagement under service contracts by the Institute for the Evaluation of the Quality of Education and Upbringing of Serbia, **as** published on February 9, 2023.