

Name and Surname: Sanja Armaković

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Working Experience

- 2008 – present, University of Novi Sad, Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection
 - 2025 – today, Associate Professor
 - 2020 – 2025, Assistant Professor
 - 2016 – 2020, Teaching Assistant
 - 2011 – 2016, Research Assistant
 - 2008 – 2011, Junior Research Assistant

Duties:

- **Group leader** of Computational and Analytical Chemistry of the Environment (<https://emos.armakovic.com/>)
 - **Teaching experience** – Analytical Chemistry of Environment, Analytics of the Environment, Instrumental Analysis, Statistical Analysis of Results in Chemistry, Research Trends in Chemistry, Information in Chemistry, Analytical Spectrometry, Separation Techniques, and Chemometrics
 - **Research activities** – Analytics of Biologically Active Compounds, Advanced Oxidation Processes, Multivariate data analysis, Molecular Modeling
 - **Presentation of study plans and programs in secondary schools** in Vojvodina, as well as within the workshop "The colorful world of chemistry" (2013), "CSI chemical team Novi Sad" (2014), and "Chemist in the food industry" (2015, 2016 and 2017) in the framework of "Chemistry weekend."
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- 2024-present, **Co-founder of ATOMISTICA** scientific and commercial software development (<https://atomistica.online/>)
 - **Member of Editorial Board of Journals:**
 - 2023-present, Executive Editor in AIDASCO Reviews (Online ISSN: 2956-0888)
 - 2021-present, Review Editor in Frontiers in Chemistry - Theoretical and Computational Chemistry (Electronic ISSN 2296-2646)
 - 2020-present, Review Editor in Frontiers in Chemistry - Physical Chemistry and Chemical Physics (Electronic ISSN 2296-2646)
 - 2020-present, International Editorial Board, Advanced Journal of Chemistry, Section B: Natural Products and Medical Chemistry (Online ISSN: 2716-9634)
 - 2020-present, Editorial Board Member, Advanced Journal of Science and Engineering (eISSN: 2717-0705)
 - 2020-present, **Vice President of the Board of Association**, "Association for the International Development of Academic and Scientific Collaboration - AIDASCO" (<http://aidasco.org/>)
 - 2016-2020, **Secretary of the Section for Analytical Chemistry** of the Serbian Chemical Society - Chemical Society of Vojvodina

- **Member of the organizing/technical committees of:**
 - 2025, 9th International Congress Engineering, Environment and Materials in Process Industry (EEM2025), April 2-4, Bjeljina, Bosnia and Herzegovina
 - 2024, 21st IUPAC International Symposium on Solubility Phenomena and Related Equilibrium Processes (ISSP21), September 9-13, Novi Sad, Serbia
 - 2023, 8th International Congress Engineering, Environment and Materials in Process Industry (EEM2023), March 20-23, Jahorina, Bosnia and Herzegovina
 - 2023, The 6th International Conference on Energy Conservation and Efficiency (ICECE2023), March 15-16, UET Lahore, Pakistan Virtually
 - 2022, The 5th International Conference on Energy Conservation and Efficiency (ICECE2022), March 16-17, UET Lahore, Pakistan Virtually
 - 2018, The 2nd International Conference of Chemistry and Oxidation Technologies, November 23-24, Sanya, Hainan
 - 2016, The 3rd International Conference on Advanced Materials Research and Applications and The International Conference on Chemistry and Oxidation Technologies, December 9-12, Guangzhou, China
 - 2015, 52. Serbian Chemical Society Symposium, May 29-30, Novi Sad, Serbia

Education

- 2016, **PhD in Analytical and Physical Chemistry**, University of Novi Sad, Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection, average mark 10.00/10.00
- 2008, **Graduated Chemist**, University of Novi Sad, Faculty of Sciences, Department of Chemistry, average mark 9.67/10.00

Rewards

- 2025 and 2024, **Included in the Stanford list of 2% of the world's most cited scientists**, (DOI:10.17632/btchxktzyw.8 and DOI:10.17632/btchxktzyw.7)
- 2023, **Scientific Excellence in the Field of Natural and Mathematical Sciences, subfield: physics, chemistry, and physical geography**, for the third most cited researcher in AP Vojvodina in 2022
- 2022, **Scientific Excellence in the Field of Natural and Mathematical Sciences, subfield: physics, chemistry, and physical geography**, for the second most cited researcher in AP Vojvodina in 2021
- 2022, Based on the student survey, **The Best Professor for the Period of 2018-2021**
- 2021, **Scientific Excellence in the Field of Natural and Mathematical Sciences, subfield: physics, chemistry, and physical geography**, for the third most cited researcher in AP Vojvodina in 2020
- 2019, **HOT Physical Chemistry Chemical Physics Articles**, Selected by the Editors, <https://doi.org/10.1039/C9CP04534A>
- **Awards by Web of Science** (<https://www.webofscience.com/wos/author/record/R-7952-2016>):
 - Top reviewers in Cross-Field - September 2019
 - Top reviewers in Chemistry - September 2019
 - Top reviewers for Multidisciplinary - September 2017
 - Top reviewers for Chemistry - September 2016

- 2016, **Runner-up paper in Excellence in Materials Science Applications Publication Contest**, held by Schrödinger Inc
- 2015, **Reward for the best poster presentation at YUCOMAT 2015 conference**, organized by Materials Research Society of Serbia
- 2010, **Special Reward of Serbian Chemical Society**, for outstanding success during studies
- 2009, **I Prize of Nenad Kostic Fund (Serbia) for Chemical Sciences**, for the best Diploma work in Chemistry
- 2009, 2008, and 2006, **Reward of University of Novi Sad**, for outstanding success during studies
- 2005, **II Prize at Competition of Faculties of Sciences**, *Synthesis and characterization of Ni (II) complexes with S-tiosemicarbazone as ligand*

Certificates and visits to other institutions

- **Training courses:**
 - 2025, Training for teaching in English, Foundation Tempus, Novi Sad, Serbia
The validity of this certificate can be checked at <https://www.tempus.ac.rs/potvrdeucesca/>
Certificate number: 2025-HEDU-0310-007
 - 2017, Communication and presentation skills, Train, Novi Sad, Serbia
 - 2008, Evaluation of Measurement Uncertainty, Association of Chemical Engineers, Belgrade, Serbia
- 2011, **Research work in Szeged, Hungary**, (January 17th–21st and April 4th–8th) within the international IPA project *Optimization of Cost Effective and Environmentally Friendly Procedures for Treatment of Regional Water Resources*, (HU-SRB/0901/121/116 OCEFPTRWR, 2010–2011)
- 2010, **Utrecht Summer School** (August, 16th–27th) course *Nanomaterials: Science and Applications*, acquired the appropriate certificate and maximum 3 ECTS points, University of Utrecht, Netherlands

Languages

- **English** (writing-very good, reading-very good, speech-very good)
- **Slovak** (Ground level of understanding)

Computer skills

- **Molecular modeling programs and software tools:** Schrödinger Materials Science Suite (Jaguar for DFT, Desmond and MacroModel for Molecular Dynamics, Canvas for Cheminformatics and QSAR), Gaussian 03/09 with GaussView 5, Avogadro
- **Programs:** Origin, ChemOffice, MS Office, Corel Draw, Photoshop

Research Grants

1. **2024 - 2025**, "Advanced computer simulations for the design of more effective and safer drug nanocarriers: a focus on molecular interactions", funded by the Ministry for Scientific and Technological Development, Higher Education and Information Society of the Republic of Srpska (Project No. 19.032/961-90/24)
2. **2023 – 2024**, "Application of photocatalytic active polymers biosynthesized on media containing industrial effluents of AP Vojvodina", funded by Provincial Secretariat of Vojvodina, Republic of Serbia, for Science and Technological Development (Project No. 142-451-3166/2023-01/01)
3. **2019 - 2020**, "Understanding of the interactions between organic nanomaterials and pharmaceutical molecules in the development of novel drug carriers", funded by the Ministry for Scientific and Technological Development, Higher Education and Information Society of the Republic of Srpska (Project No. 19.032/961-99/19)
4. **2015 - 2019**, Support by Schrödinger Inc, license for Materials Science Modeling Suite
5. **2011 - 2019**, "Development of methods for monitoring and removal of biologically active substances in order to improve the quality of the environment" funded by the Ministry of Science and Technological Development of the Republic of Serbia (Project No. ON172042)
6. **2017 – 2019**, "ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry education", funded by the International Erasmus+, NETCHEM project
7. **2017-2018**, "Comparison of photocatalytic efficiency of $\text{Zr/Fe}_2\text{O}_3$ and Si/ZrO_2 nanopowders in degradation of biologically active substances present in the environment using simulated solar light", funded by the Provincial Secretariat for Science and Technological Development of Vojvodina, Republic of Serbia (Project No. 142-451-2727/2017-01/01)
8. **2014-2015**, "Application of polyaniline/ TiO_2 nanoparticle photocatalysts for the removal of organic pollutants from water and estimates of their toxicity," funded by the Provincial Secretariat for Science and Technological Development of Vojvodina, Republic of Serbia (Project No. 114-451-1504/2014-03)
9. **2010-2011**, "Optimization of Cost Effective and Environmentally Friendly Procedures for Treatment of Regional Water Resources", funded by the International IPA project (Project No. HU-SRB / 0901/121/116 OCEEFPTRWR)
10. **2006-2010**, "Development of new and improvement of existing methods of monitoring and improving the quality of the environment" funded by the Ministry of Science and Technology of the Republic of Serbia (Project No. ON142029)

Publications

The complete publication list can be seen at <http://www.armakovic.com/publications1.html>

Citations (October 2025)

- **According to SCOPUS:**
h-index 44, Citations 4791
<https://www.scopus.com/authid/detail.uri?authorId=55411653100>
- **Google Scholar:**
https://scholar.google.com/citations?user=r__rPzcAAAAJ&hl=sr
h-index 45, Citations 5493

Reviews

- **Verified reviewer at Web of Science**
<https://www.webofscience.com/wos/author/record/R-7952-2016>
- **Reviewer of the Czech Science Foundation** for the projects applied in 2025 and 2019
- **Reviewer for the ERC grant** of the Polish National Science Centre (2017)

Other

- Driving license B category, active driver
- Hobby: Painting and decoupage
- She is married to Stevan, with whom she has sons Philip and Stefan