

Stevan Armaković, PhD

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<https://armakovic.com>

<https://atomistica.online>

<https://aidasco.org>

<https://dataexplorerer.online>



WORK EXPERIENCE

2022 – PRESENT

CO-FOUNDER & LEAD DEVELOPER, ATOMISTICA.ONLINE AND DATAEXPLORER.ONLINE

- Online molecular modeling platform available at <https://atomistica.online>
- Online platform for statistical analysis available at <https://dataexplorerer.online>

2020 – PRESENT

BOARD PRESIDENT, ASSOCIATION FOR THE INTERNATIONAL DEVELOPMENT OF ACADEMIC AND SCIENTIFIC COLLABORATION (AIDASCO)

- Establishment of connections with academics and scientists from all over the world, to conduct joint projects
- Connecting academia and industry
- Promotion of students and young researchers and their involvement in the research activities of AIDASCO members
- Science promotion and communication, education of the general public about important topics and Gender equality

2019 – PRESENT

ASSISTANT PROFESSOR, UNIVERSITY OF NOVI SAD, FACULTY OF SCIENCES, DEPARTMENT OF PHYSICS

- Teaching: Kinetic theory of gasses, Programming in Physics, Demonstrational experiments in physics II, Physics popularization, Vibrational Spectroscopy, Biophysics
- Research in the area of materials science, organic & inorganic nanomaterials, advanced oxidation processes, ionic liquids, physics education
- Project applications
- Involvement of students in research activities
- Promotion of Department & Science popularization, membership in Faculty Committees

2019 – PRESENT

MEMBER OF USAID RESEARCH TECHNICAL ASSISTANCE CENTER

- Research assistance to projects within USAID

2018 – 2023

PHYSICS TEACHER, “JOVAN JOVANOVIĆ ZMAJ” HIGH SCHOOL

- Teaching “Modeling in Physics” and “Physics of Atoms and Molecules” for students with exceptional abilities in physics

2015 – 2020

ASSISTANT RESEARCH PROFESSOR, UNIVERSITY OF NOVI SAD, FACULTY OF SCIENCES DEPARTMENT OF PHYSICS

- Research in the area of materials science

- Promotion of Department & Science popularization

2012 – 2015

RESEARCH ASSISTANT, UNIVERSITY OF NOVI SAD, FACULTY OF SCIENCES, DEPARTMENT OF PHYSICS

- Research in the area of materials science
- Promotion of Department & Science popularization

2010 – 2012

JUNIOR RESEARCH ASSISTANT, UNIVERSITY OF NOVI SAD, FACULTY OF SCIENCES, DEPARTMENT OF PHYSICS

- PhD student
- Research in the area of materials science

EDUCATION

OCTOBER 2014

PHD, THEORETICAL CONDENSED MATTER PHYSICS

UNIVERSITY OF NOVI SAD, FACULTY OF SCIENCE DEPARTMENT OF PHYSICS

SEPTEMBER 2009

GRADUATED PHYSICIST

UNIVERSITY OF NOVI SAD, FACULTY OF SCIENCE DEPARTMENT OF PHYSICS

SEPTEMBER 2004

HIGH SCHOOL GRADUATION

“IVO LOLA RIBAR” HIGH SCHOOL, SREMSKA MITROVICA, REPUBLIC OF SERBIA

SEPTEMBER 2000

ELEMENTARY MUSIC SCHOOL GRADUATION

“PETAR KRANČEVIĆ” MUSIC SCHOOL, INSTRUMENT CLARINET, SREMSKA MITROVICA, REPUBLIC OF SERBIA

SCIENTIFIC METRICS

- Included in 2023 Stanford's list of World Top 2% scientists
- 150+ papers published in journals with impact factors. Complete publication list can be seen at <https://armakovic.com/publications1>
- 400+ verified pre-publication reviews for journals with impact factors, Web of Science profile: <https://www.webofscience.com/wos/author/record/H-3647-2019>
- Total number of citations:
Google Scholar: 4115, h-index 40
Scopus: 3623, h-index 40
Web of Science: 3293, h-index 37

SKILLS

- Computational materials and molecular modeling, computational physics and chemistry, ab initio, molecular dynamics, molecular docking
- Experience in the following codes and program packages: Schrödinger Materials Science Suite (Jaguar, Desmond, MacroModel, Canvas, Maestro), ORCA, xTB, PSI4, Synopsis QuantumATK, SCM ADF, Turbomole, Gaussian, GAMESS, Quantum Espresso, Autodock Vina, Multiwfn, VMD, etc.
- Communication and Presentation Skills:
 - Schrödinger's 2nd European Materials Science Bootcamp (2016) – Invited lecture: Rationalization of Experiments with Schrödinger Materials Science Suite (Curved carbon nanostructures and ionic liquids)
 - COOL scientist – Researcher Night (2016), University of Novi Sad
- Computer skills:
 - Linux and Windows operating systems
 - Programming in python, web applications
 - Experience with supercomputing resources
 - Web and graphic design
 - High-performance computing clusters and SLURM scheduling system
- Remote teaching, Conferencing

REWARDS AND CERTIFICATES

- 2023, Reward for scientific excellence in the area of physical sciences, third most cited researcher in 2022 in the Autonomous Province of Vojvodina
- 2022, Reward for scientific excellence in the area of physical sciences, third most cited researcher in 2021 in the Autonomous Province of Vojvodina
- 2019, HOT Physical Chemistry Chemical Physics Articles, Selected by the Editors, <https://doi.org/10.1039/C9CP04534A>
- Awards by Publons
 - Top Reviewers in “Cross-field”, September 2019
 - Top Reviewers for the field “Multidisciplinary”, September 2017
 - Top Reviewers for the field “Multidisciplinary”, September 2016
 - 2016, Runner-up paper in Excellence in Materials Science Applications Publication Contest, held by Schrödinger Inc
- 2010, Reward for the best poster presentation at Young Researchers Conference organized by the Materials Research Society of Serbia

RESEARCH PROJECTS AND GRANTS

- 2023 – Present
Title: iMERMAID – Inovative solutions for Mediterranean Ecoszstem Remediation via Monitoring and decontamination from Chemical Pollution
Role: Researcher in charge of computational materials design
Funded by: European Commission, Grant Agreement Number 101112824
- 2023 –
Application of photocatalytically active polymers biosynthetized on mediums with industrial effluents

- Role: Researcher in charge of computational materials design
 Funded by: Autonomous Province of Vojvodina, Serbia, Grant ID: 142-451-3166/2023-01/01
- 2021 – 2022
 Title: PROTEIN – Personalized nutrition for hEalthy living
 Role: Researcher in charge of computational materials design
 Funded by: Horizon 2020 , Grant Agreement Number 817732
 - 2019 – present
 Title: Nanotechnology materials in biotechnology
 Role: Project application and co-principle researcher
 Funded by: Ministry for Scientific and Technological Development, Higher Education and Information Society of the Republic of Srpska, Grant ID: 19/6-020/961-32/18.
 - 2018 – 2019
 Title: Virtual human osteoarticular system and its application in preclinical and clinical practice
 Role: Researcher
 Funded by: Ministry of Education, Science and Technological Development of the Republic of Serbia, Grant ID: III 41017
 - 2017 – 2019
 Title: CONNECT events 1-3, Connecting students and young researchers of the western Balkan region. Towards the establishment of Science Communication Center and Western Balkan Scientific Association
 Role: applicant, mentor of student projects
 Funded by: German Academic Exchange Service (DAAD)
 - 2017 – 2018
 Title: Comparison of photocatalytic efficiencies of Zr/Fe₃O₄ and Si/ZrO₂ nanopowders in degradation of biologically active compounds present in environment, by application of simulated sun irradiation
 Role: Researcher
 Funded by: Provincial Secretariat for Science and Technological Development of Vojvodina, Republic of Serbia, Grant ID: 142-451-2727/2017-01/01
 - 2011 – 2018
 Title: Design and modeling of specific properties of nanostructures
 Role: Researcher and project administration
 Funded by: Ministry of Education, Science and Technological Development of the Republic of Serbia, Grant ID: ON171039
 - 2011 – 2018
 Title: Improvement of forensic methods and their application
 Role: Researcher and project administration
 Funded by: Ministry of Education, Science and Technological Development of the Republic of Serbia, Grant ID: TR34019
 - 2010 – 2011
 Title: Improvement of physical properties of nanostructured materials
 Role: Researcher and project administration
 Funded by: Ministry of Education, Science and Technological Development of the Republic of Serbia

OTHER

- Hobbies: basketball, clarinet, music, writing SF novel, python programming, web design, Aikido
- Married with Sanja, father of two.