

## Stevan Armaković, PhD

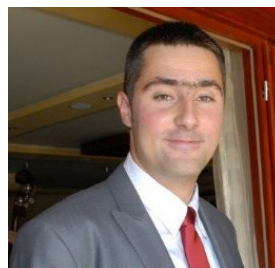
Novi Sad, Republic of Serbia

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<https://armakovic.com>

<https://aidasco.org>

<https://atomistica.online>



## WORK EXPERIENCE

**2022 – PRESENT**

**CO-FOUNDER & DEVELOPER**, ATOMISTICA.ONLINE

- Online molecular modeling platform freely available <https://atomistica.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 – PRESENT**

**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 – PRESENT**

**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

- Total of 134 papers published in journals with impact factors. Complete publication list can be seen at <http://www.armakovic.com/publications1.html>
- 365 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: 3037, h-index 32  
Scopus: 2603, h-index 30  
Web of Science: 2392, h-index 28

## SKILLS

- Computational materials and molecular modeling: 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.
- Scientific writing and editing, project applications – 130+ papers published in peer-reviewed journals, 350+ papers reviewed for recognized international journals, participation in projects
- 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
- Remote teaching, Conferencing

## REWARDS AND CERTIFICATES

- 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

- 2021 – present  
Title: PROTEIN – Personalized nutrition for hEalthy living  
Role: Researcher  
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/Fe<sub>3</sub>O<sub>4</sub> and Si/ZrO<sub>2</sub> 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 of SF novel, python programming and web design
- Married with Sanja, father of two.

