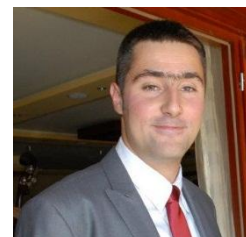


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Working Experience

- **2010 – present**, University of Novi Sad, Faculty of Sciences, Department of Physics
Assistant Research Professor
Duties:
 - Research of various molecules, ionic liquids and nanostructures applying DFT calculations and molecular dynamics simulations
 - Teaching activities in Biophysics related courses for students of Physics, Chemistry and Biology
 - Teaching activities in course of Qualitative methods in Physics
 - Participation in activities related to the popularization of science (Design and administration of the web site dedicated to the activities in CERN)
 - Guest lecturer at Petnica research center

Education

- **PhD in Theoretical Physics of Condensed Matter, Molecular Modeling (2014)**, University of Novi Sad, Faculty of Sciences, Department of Physics
- **Graduated Physicist (2009)**, University of Novi Sad, Faculty of Sciences, Department of Physics
- **Music School (2000)**, Sremska Mitrovica – Instrument clarinet

Rewards and Certificates

- **Runner-up paper in Excellence in Materials Science Applications Publication Contest**, held by Schrödinger Inc (2016)
- **Utrecht Summer School (16-27. 08. 2010.)** course “Theoretical Physics”, University of Utrecht, Netherlands
- **Reward of the University of Novi Sad**, for the accomplished results during studies (2010)
- **Third prize at republic competition for young clarinetists**, Belgrade, Ministry of Education (1998)
- **Third prize at republic competition for young clarinetists**, Belgrade, Ministry of Education (1997)

Research Interests

Computational molecular modeling of:

- organic molecules and nanostructures
- graphene, nanotubes and buckybowls
- ionic liquids, pharmaceutical and organometallic molecules, advanced oxidation processes
- organic electronics, optoelectronics, single molecule junctions, photovoltaics

Languages

English – Full Professional Proficiency

Experience in Molecular Modeling Software/Code

- **Schrödinger Materials Science Suite** (Jaguar, Desmond, MacroModel, Canvas, Maestro,)
- **Quantum Wise Virtual Nanolab, Atomistix Toolkit**
- **Amsterdam Density Functional Molecular Modeling Suite**
- **Gaussian**
- **GAMESS**
- **Quantum Espresso**
- **Orca**

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
- **Reward at the 8th Young Researchers Conference for the best oral presentation (2011)**, organized by Materials Research Society of Serbia

Research Grants and Projects

- **2017 – present**,
Establishing **Western Balkans Association of Young Researchers**, supported by German Academic Exchange Service (DAAD)
- **2015 – present**,
Scientific Support by Schrödinger Inc, license for Materials Science Modeling Suite
- **2017 – present**
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 – Funded by Provincial Secretariat for Science and Technological Development – researcher
- **2011 – present**
 - **Design and modeling of specific properties of nanostructures**
Grant no. OI 171 039, Ministry of Education, Science and Technological Development of the Republic of Serbia – researcher, and
 - **Improvement of forensic methods and their application**
Grant no. TR 34019, Ministry of Education, Science and Technological Development of the Republic of Serbia – researcher
- **2010 – 2011**
Improvement of physical properties of nanostructured materials - Ministry of Education, Science and Technological Development of the Republic of Serbia - researcher

Reviews

- Verified reviewer at Publons - <https://publons.com/author/459312/stevan-armakovic#profile>
- Has reviewed for 28 journals
 - 57 Pre-Publication Reviews

Citations

	Google Scholar	Scopus
Total number	238	221
h-index	9	8

Publications (Peer Reviewed)

Total of 59 papers published in journals with impact factors. Complete publication list can be seen at <http://www.armakovic.com/publications1.html>

Selected 10 publications:

1. **Stevan Armaković**, Sanja J. Armaković, Slawomir Koziel
OPTOELECTRONIC PROPERTIES OF CURVED CARBON SYSTEMS
Carbon 111 (2017) 371-379, (IF: 6.198)
2. **Stevan Armaković**, Sanja J. Armaković, Svetlana Pelemiš, Dragoljub Mirjanić
INFLUENCE OF SUMANENE MODIFICATIONS WITH BORON AND NITROGEN ATOMS TO ITS HYDROGEN ADSORPTION PROPERTIES
Physical Chemistry Chemical Physics 18 (2016) 2859-2870, (IF: 4.493)
3. **Stevan Armaković**, Sanja J. Armaković, Milan Vraneš, Aleksandar Tot, Slobodan Gadžurić
DETERMINATION OF REACTIVE PROPERTIES OF 1-BUTYL-3-METHYLIMIDAZOLIUM TAURATE IONIC LIQUID EMPLOYING DFT CALCULATIONS
Journal of Molecular Liquids 222 (2016) 796-803, (IF: 2.740)
4. **Stevan Armaković**, Sanja J. Armaković, Jovan P. Šetrajčić
HYDROGEN STORAGE PROPERTIES OF SUMANENE
International Journal of Hydrogen Energy 38 (2013) 12190-12198, (IF: 4.054)
5. Sanja J. Armaković, **Stevan Armaković**, Nina L. Finčur, Filip Šibul, Davide Vione, Jovan P. Šetrajčić, Biljana F. Abramović
INFLUENCE OF ELECTRON ACCEPTORS ON THE KINETICS OF METOPROLOL PHOTOCATALYTIC DEGRADATION IN TiO₂ SUSPENSION. A COMBINED EXPERIMENTAL AND THEORETICAL STUDY
RSC Advances 5 (2015) 54589-54604, (IF: 3.840)
6. **Stevan Armaković** and Sanja J. Armaković
INVESTIGATION OF BORON MODIFIED GRAPHENE NANOSTRUCTURES; OPTOELECTRONIC PROPERTIES OF GRAPHENE NANOPARTICLES AND TRANSPORT PROPERTIES OF GRAPHENE NANOSHEETS
Journal of Physics and Chemistry of Solids 98 (2016) 156-166, (IF: 2.048)
7. **Stevan Armaković**, Sanja J. Armaković, Biljana F. Abramović
THEORETICAL INVESTIGATION OF LORATADINE REACTIVITY IN ORDER TO UNDERSTAND ITS DEGRADATION PROPERTIES: DFT AND MD STUDY
Journal of Molecular Modeling 22 (2016) 240, (IF: 1.438)
8. **Stevan Armaković**, Sanja J. Armaković, Vladimir Holodkov, Svetlana Pelemiš
OPTOELECTRONIC PROPERTIES OF HIGHER ACENES, THEIR BN ANALOGUE AND SUBSTITUTED DERIVATIVES
Materials Chemistry and Physics 170 (2016) 210-217, (IF: 2.259)
9. Milan Vraneš, **Stevan Armaković**, Aleksandar Tot, Snežana Papović, Nebojša Zec, Sanja J. Armaković, Nemanja Banić, Biljana Abramović, Slobodan Gadžurić
STRUCTURING OF WATER IN THE NEW GENERATION IONIC LIQUID - COMPARATIVE EXPERIMENTAL AND THEORETICAL STUDY
Journal of Chemical Thermodynamics 93 (2016) 164-171 (IF: 2.679)
10. Vidya V. Menon, Edakot Fazal, Y. Sheena Mary, C. Yohannan Panicker, **Stevan Armaković**, Sanja J. Armaković, Subban Nagarajan, Christian Van Alsenoy
FT-IR, FT-RAMAN AND NMR CHARACTERIZATION OF 2-ISOPROPYL-5-METHYLCYCLOHEXYL QUINOLINE-2-CARBOXYLATE AND INVESTIGATION OF ITS REACTIVE AND OPTOELECTRONIC PROPERTIES BY MOLECULAR DYNAMICS SIMULATIONS AND DFT CALCULATIONS
Journal of Molecular Structure 1127 (2017) 124-137, (IF: 1.780)

Other

- Member of the Serbian Physical Society
- Member of the Materials Research Society of Serbia
- Member of Tendoryu Aikido club “Seiunkan” from Novi Sad
- Playing clarinet and guitar, basketball, writing
- Driver license, B category, active driver
- Married to Sanja with whom he has son Philip