

Curriculum Vitae



Personal information

First name(s) / SURNAME(S)

Current position

Affiliation

Department

Address(es)

Telephone(s)

E-mail

Date of birth

Gender

Sanja MILOŠEVIĆ GOVEDAROVIĆ

Assistant research professor

VINČA Institute of Nuclear Sciences, University of Belgrade, Serbia

Department of physics

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14.01.1983.

Female

Education

Dates

Title of qualification awarded

Principal subjects/occupational skills

covered

Name and type of organisation providing
education and training

Dates

Title of qualification awarded

Principal subjects/occupational skills

covered

Name and type of organisation providing
education and training

Dates

Title of qualification awarded

Principal subjects/occupational skills

covered

Name and type of organisation providing
education and training

2016

PhD

Theme: "Usage of VO₂(B) as a catalyst in the dehydration reaction of MgH₂ and as an intercalate material in lithium batteries"

Faculty of physical chemistry, University of Belgrade, Studentski trg 12-16

2010

M.Sc.

Theme: "Electrochemical intercalation of lithium ions into hydrothermally synthesised vanadium dioxide matrix" / lithium-ion batteries

Faculty of physical chemistry, University of Belgrade, Studentski trg 12-16

2010

B.Sc.

Theme "Synthesis and characterisation of VO₂ and VO₂-MgH₂ nanocomposite" / chemical synthesis, hydrogen storage materials

Faculty of physical chemistry, University of Belgrade, Studentski trg 12-16

Research interests

- ◆ **Materials for solid-state hydrogen storage**
- ◆ **Electrode materials for Li-ion batteries**
- ◆ **Synthesis and physical-chemical characterisation of materials**

Citations/ h-index

165 / h=8

Participation in the national projects

Project title /Dates

Occupation or position held

III45012 National project "Synthesis, processing and characterization of nanostructured materials for application in the field of energy, mechanical engineering, environmental protection and biomedicine" 2011-

Researcher

Participation in the international projects

Project title /Dates	Multilateral Project COST action CA18112: Mechanochemistry for Sustainable Industry (Mech@SusInd) / 2019-2022
Occupation or position held	Researcher
Project title /Dates	Multilateral project COST action CA15102: Solutions for Critical Raw Materials Under Extreme Conditions / 2015-2019
Occupation or position held	Researcher
Project title /Dates	Multilateral Project COST action MP1103: Nanostructured materials for solid state hydrogen storage / 2011-2015
Occupation or position held	Researcher
Project title /Dates	Bilateral project: Serbia-Montenegro: Synthesis and characterization of PCM (phase change materials): route to a hydrogen-based economy 2019-2020
Occupation or position held	Researcher
Project title /Dates	Bilateral project: Serbia-France: Nanostructured composite materials for solid state hydrogen storage 2016-2017
Occupation or position held	Researcher
Project title /Dates	Bilateral project: Serbia-Croatia: Amonium borane and its derivates for solid state hydrogen storage 2016-2017
Occupation or position held	Researcher
Project title /Dates	Bilateral project: Serbia-Italy: Nanostructured reactive hydrides for solid state hydrogen storage 2014-2015
Occupation or position held	Researcher
Project title /Dates	Bilateral project: Serbia-Slovenia: Investigation of microstructure of hydrogen storage materials and correlation with desorption properties 2012-2013
Occupation or position held	Researcher
Project title /Dates	Bilateral project: Serbia-Spain: Effect of ion bombardment on microstructure of materials for hydrogen storage 2011-2012
Occupation or position held	Researcher

Invited lectures

Lecture title/Conference/Dates	Primena VO ₂ (B) kao katalizatora u reakciji dehidriranja MgH ₂ i kao interkalatnog materijala u litijumskim baterijama / VII Memorial scientific conference of environment "Docent dr Milena Dalmacija", Novi Sad, Serbia / 1.4.2019.
Lecture title/Conference/Dates	VO ₂ polimorf B u svrhu skladištenja električne i vodonične energije / Seminar Zavoda za kemiju materijala IRB-a / 13.09.2016.
Lecture title/Conference/Dates	Materijali za skladištenje vodonika/Zelena akcija, radionica: Vodik za održivu energetiku / 21.12.2016.

Reviewer of a journal

Title of the journal	International Journal of Hydrogen Energy Optical Materials
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Mentorship engagement

PhD student	Tijana Pantić
Title of the doctoral thesis	Role of defects on hydrogen sorption process in Mg based composites and thin films
Status of the dissertation	In progress

Editorship of books, journals and/or book of abstracts

Title/Date	"3rd International Symposium on Materials for Energy Storage and Conversion - mESC-IS 2018, Program and the Book of Abstracts" ISBN 978-86-7306-140-5 / 2018
Title/Date	"Program and the Book of Abstracts from The 2nd Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Material" ISBN 978-86-7306-142-9 /

Title/Date	<p>2017</p> <p>“Program and the Book of Abstracts from Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials” ISBN 978-86-7306-136-8 / 2016</p>
Membership in scientific Committees & Boards	<ul style="list-style-type: none"> ♦ 2018 – Vice-president, program and organisation committee at conference: 3rd International conferences of materials for energy storage and conversion, Belgrade 10-12.09.2018. ♦ 2017 – program and organisation committee of workshop: The second workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, Belgrade 3-4.10.2017. ♦ 2016 – program and organisation committee of workshop: The first workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, Belgrade 18-19.10.2016. ♦ 2012 – Vice-president, program and organisation committee at conference: „The 1st European Early Stage Researchers' Conference on Hydrogen Storage“, Belgrade 3-5.12.2012.
Memberships in scientific and technical societies	<ul style="list-style-type: none"> ♦ Member of CONVINCENCE centre of excellence ♦ Cofounder and general secretary of society: Hydrogen storage Initiative Serbia <p>Member of scientific societies:</p> <ul style="list-style-type: none"> ♦ Society of Physical Chemists of Serbia ♦ Serbian Chemical Society ♦ Serbian Microscopy Society ♦ European Microscopy Society
Prizes and awards	<ul style="list-style-type: none"> ♦ 2018 - Award of the Foundation “Dr Milena Dalmacija”, for the doctoral thesis which has made the greatest scientific contribution in the field of environmental protection at the universities in the Republic of Serbia ♦ 2015 - Award for the best poster at “International Symposium on Materials for Energy Storage and Conversion” in September 2015, Ankara, Turkey
Selected Papers in last 5 years	<ol style="list-style-type: none"> 1. J. Grbović Novaković, N. Novaković, S. Kurko, S. Milošević Govedarović, T. Pantić, B. Paskaš Mamula, K. Batalović, J. Radaković, J. Rmuš, M. Shelyapina, N. Skryabina, P. de Rango, D. Fruchart Influence of defects on Mg based hydrides stability and hydrogen sorption behavior ChemPhysChem (2019) DOI: 10.1002/cphc.201801125 2. N. Biliskov, A. Borgschulte, K. Užarević, I. Halasz, S. Lukin, S. Milošević, I. Milanović, J. Grbović Novaković In-situ and Real-time Monitoring of Mechanochemical Preparation of Li₂Mg(NH₂BH₃)₄ and Na₂Mg(NH₂BH₃)₄ and their Thermal Dehydrogenation Chemistry - A European Journal, 23 (2017) 16274–16282 3. Radojka Vujasin, Ana Mraković, Sandra Kurko, Nikola Novaković, Ljiljana Matović, Jasmina Grbović Novaković, Sanja Milošević Catalytic activity of titania polymorphs towards desorption reaction of MgH₂ International Journal of Hydrogen Energy, 41 (2016) 4703–4711 4. Sanja Milošević, Sandra Kurko, Luca Pasquini, Ljiljana Matović, Radojka Vujasin, Nikola Novaković, Jasmina Grbović Novaković Fast hydrogen sorption from MgH₂-VO₂(B) composite materials Journal of Power Sources 307 (2016) 481–488 5. Sanja Milošević, Ivana Stojković, Miodrag Mitrić, Nikola Cvjetičanin, High performance of solvothermally prepared VO₂(B) as anode for aqueous rechargeable lithium batteries Journal of the Serbian Chemical Society 80 (5) (2015) 685–694

**Congresses and conferences
attended -last 3 years**

1. J. Grbović Novaković S. Kurko, **S. Milošević Govedarović**, T. Pantić, B. Paskaš Mamula, M. Medić, N. Novaković
Theoretical and experimental approach to destabilization methods for improvement of hydrogen sorption kinetics in Mg based systems
XXIInd National Conference with International Participation New Cryogenic and Isotope Technologies for Environment, 24-26. October **2018**. Baile Govora, Romania, pg. 134-135
2. **S. Milošević Govedarović**, L. Pasquini, T. Pantić, A. Đukić, N. Novaković, S. Kurko, J. Grbović Novaković
Kinetic mechanism of MgH₂-VO₂ (B) desorption
mESC-IS **2018**, 3rd International Symposium on Materials for Energy Storage and Conversion, 10-12 September, Belgrade, Serbia, pg. 66
3. T. Pantić, S. Kurko, A. Daković, M. Marović, Lj. Andrić, **S. Milošević Govedarović**, A. Đukić, E. Habibija, A. Softić, J. Grbović Novaković
LiAlH₄-pyrophyllite nanocomposite as potential material for solid state hydrogen storage
mESC-IS **2018**, 3rd International Symposium on Materials for Energy Storage and Conversion, 10-12 September, Belgrade, Serbia, pg. 90