

Curriculum Vitae



Personal information

First name(s) / SURNAME(S)

Current position

Affiliation

Department/current position

Address(es)

Telephone(s)

E-mail

Date of birth

Gender

Tijana PANTIĆ

Research Trainee

Vinča Institut of Nuclear Sciences, University of Belgrade, Serbia

Department of Physics

Mike Petrovića Alasa 12-14, 11351 Vinča, Belgrade, Serbia

+381 113408373

Mobile: +381 648025213

tijanap@vinca.rs

t.b.pantic@gmail.com

31.07.1990.

Female

Education

Dates

Title of qualification awarded

Principal subjects/occupational skills covered

Name and type of organization providing education and training

Dates

Title of qualification awarded

Principal subjects/occupational skills covered

Name and type of organization providing education and training

Dates

Title of qualification awarded

Principal subjects/occupational skills covered

Name and type of organization providing education and training

2016 - now

PhD student

Role of defects on hydrogen sorption process in Mg based composites and thin films

Faculty of Physical Chemistry, University of Belgrade

2015 – 2016

MSc

Examination of possibility to generate the gold chloride clusters (Au_3Cl_{2n+2} , Au_4Cl_{2n+1}) by MALDI-TOF mass spectrometer

Faculty of Physical Chemistry, University of Belgrade

2009 – 2014

BSc

Lithium-chloride clusters and MALDI-TOF mass spectrometry

Faculty of Physical Chemistry, University of Belgrade

Research interests

- ♦ **Mechanochemical and hydrothermal synthesis**
- ♦ **Ion beam modification**
- ♦ **Characterization of Mg-based composites and thin films for solid-state hydrogen storage**

Participation in the national projects

Project title /Dates

Occupation or position held

Project III45012: Synthesis, processing, and characterization of nanostructured materials for application in the fields of energy, mechanical engineering, environment and biomedicine / 2011-till now

Researcher

Participation in the international projects

Project title /Dates

Occupation or position held

Multilateral Project COST action CA18112: Mechanochemistry for Sustainable Industry (Mech@SusInd) / 2019-2023

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 - Croatia: Ammonium borane and its derivatives for solid-state hydrogen storage 2016-17
Occupation or position held	Researcher
Membership in scientific Committees & Boards	<ul style="list-style-type: none"> ◆ Member of organizing committee of the Third International Symposium on Materials for Energy Storage and Conversion, Belgrade, Serbia, September 10-12th 2018
Memberships in scientific and technical societies	<ul style="list-style-type: none"> ◆ Hydrogen Economy Initiative Serbia, Society of Physical Chemists of Serbia, Serbian Chemical Society
Prizes and awards	<ul style="list-style-type: none"> ◆ 2018 IUPAP Women in Physics Travel Grant
Selected Papers in the last 5 years	<ol style="list-style-type: none"> 1. Jasmina Grbovic Novakovic, Nikola Novaković, Sandra Kurko, Sanja Milošević Govedarović, Tijana Pantić, Bojana Paskaš Mamula, Katarina Batalović, Jana Radaković, Jelena Rmuš, Marina Shelyapina, Nataliya Skryabina, Patricia de Rango, Daniel Fruchart, Influence of defects on Mg-based hydrides stability and hydrogen desorption behavior, ChemPhysChem, 2019 DOI: 10.1002/cphc.201801125R1
Congresses and conferences attended -last 3 years	<ol style="list-style-type: none"> 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. T.Pantić, N. Filipović, S. Kurko, B. P. Mamula, J. Grbović Novaković, N. Novaković, S. Milošević Govedarović, Combined effects of mechanical milling and addition of WO₃ on hydrogen desorption from MgH₂, mESC-IS 2018, 3rd International Symposium on Materials for Energy Storage and Conversion, 10-12 September, Belgrade, Serbia, pg. 97 3. T.Pantić, S. Milošević Govedarović, N. Novaković, P. de Rango, D. Fruchart, J.R. Ares Fernandez, M. Buljan, S. Kurko, J. Grbović Novaković, Mg-V-H air exposed thin films for solid-state hydrogen storage upon hydrogen irradiation, mESC-IS 2018, 3rd International Symposium on Materials for Energy Storage and Conversion, 10-12 September, Belgrade, Serbia, pg. 91 4. 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 5. 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 6. J. Milićević, S. Kurko, B. P. Mamula, T. Trtić-Petrović, T. Pantić, S. Milošević Govedarović, A. Hodžić, J. Grbović Novaković, Electrochemical behavior of pyrophyllite carbon paste composite electrode, mESC-IS 2018, 3rd International Symposium on Materials for Energy Storage and Conversion, 10-12 September, Belgrade, Serbia, pg. 95

7. **T.Pantić**, I.Milanović, M.Lukić, J. Grbović Novaković, S. Kurko, N. Biliškov, S. Milošević Govedarović, **The influence of mechanical milling parameters and catalyst distribution on thermal decomposition of MgH₂**, Hydrogen Days 2018, 9th International Conference on Hydrogen Technologies, 13-15 June, Prague, Czech Republic, pg. 65
8. **T. Pantić**, I. Milanović, M. Lukić, J. Grbović Novaković, S. Kurko, N. Biliškov, S. Milošević Govedarović, **Is WO₃ catalyst for hydrogen desorption?**, Sixteenth Young Researchers Conference - Materials and Science and Engineering, Institute of Technical Sciences of SASA, 6-8 Dec 2017, Belgrade, Serbia, pg. 50
9. **T. Pantić**, I. Milanović, M. Lukić, J. Grbović Novaković, S. Kurko, N. Biliškov, S. Milošević Govedarović, **WO₃ as an additive for MgH₂ for hydrogen storage**, The 2nd Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, 3-4 Oct 2017, Belgrade, Serbia, pg. 14
10. S. Kurko, **T. Pantić**, S. Milošević Govedarović, B. Paskaš Mamula, R. Vujasin, J. Grbović Novaković, N. Novaković, **Towards clarification of dehydrogenation mechanism in MgH₂ thin films**, The 2nd Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, 3-4 Oct 2017, Belgrade, Serbia, pg. 12
11. **T. Pantić**, I. Milanović, M. Lukić, J. Grbović Novaković, S. Kurko, N. Biliškov, S. Milošević, **MgH₂+WO₃ composites for hydrogen storage**, Solid-State Science & Research Meeting, 28-30 June 2017, Zagreb, Croatia, pg. 51
12. I. Milanović, S. Milošević, **T. Pantić**, S. Kurko, R. Vujasin, A. Djukic, J. Grbović Novaković, **Structural and hydrogen desorption properties of LiAlH₄-Fe₂O₃ composite**, Solid-State Science & Research Meeting, 28-30 June 2017, Zagreb, Croatia, pg. 93