

Curriculum Vitae



Personal information

First name(s) / SURNAME(S)

Current position

Affiliation

Department

Address(es)

Telephone(s)

E-mail

Date of birth

Gender

Jelena RMUŠ

Research trainee

Vinča Institute of Nuclear Sciences, University of Belgrade, Serbia

Department of physics

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

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jelenarmus@vin.bg.ac.rs

rmusjeca@gmail.com

04.03.1993.

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

From October 2017.

PhD student

In progress

Faculty of Physical Chemistry, University of Belgrade, Serbia

01.09.2017.

Master of Science

Solvothermal synthesis and characterization of cobalt ferrite nanoparticles doped with zinc

Faculty of Physical Chemistry, University of Belgrade, Serbia

09.09.2016.

Bachelor of Science

The influence of different experimental procedures on the reproducibility of the duration of iodide oxidation with hydrogen peroxide

Faculty of Physical Chemistry, University of Belgrade, Serbia

Research interests

- ◆ **Synthesis and characterization of materials**
- ◆ **Nanomaterials for hydrogen energy**
- ◆ **Photocatalytic production of hydrogen**
- ◆ **Transition metals chalcogenide**

Participation in the national projects

Project title /Dates
Occupation or position held

Physics and chemistry with ion beams III45006/ from 24.05.2018.
Researcher

Membership in scientific Committees & Boards

- ◆ 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

Prizes and awards

Selected Papers in last 5 years

Congresses and conferences attended -last 3 years

- ◆ Member of Serbian Chemical Society
- ◆ Special award for outstanding achievement during studies at the Faculty of Physical Chemistry, University of Belgrade from the Serbian Chemical Society (2017)
- ◆ Award "Academician Dragoslav Srejović" for the best students of the city of Kragujevac (2013/14).
- ◆ Sandra Kurko, Bojana Paskaš Mamula, **Jelena Rmuš**, Jasmina Grbović Novaković, Nikola Novaković, **DFT study of boron doped MgH₂: bonding mechanism, hydrogen diffusion and desorption**, 10.1016/j.ijhydene.2019.05.015
- ◆ 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, and Daniel Fruchart, **Influence of defects on Mg- based hydrides stability and hydrogen sorption behavior**, ChemPhysChem 10.1002/cphc.201801125
- ◆ **Jelena Rmuš**, Sanja Milošević Govedarović, Ana Mraković, Dragan Rajnović, Nikola Novaković, Jasmina Grbović Novaković, Sandra Kurko, **Structural changes in MoS₂ induced by hydrogen ion irradiation**, 3rd International Symposium on Materials for Energy Storage and Conversion, mESC-IS 2018, September 10-12, **2018**, Program and the Book of Abstracts, p. 106
- ◆ Sonja Jovanović, Lea Udovc, **Jelena Rmuš**, Matjaž Spreitzer, Marija Vukomanović, **Synthesis of antimicrobial cobalt ferrite/gold nanocomposites**, Twentieth Annual Conference YUCOMAT 2018, September 3-7, 2018, Herceg Novi, Montenegro, Programme and the book of abstracts, Materials Research Society of Serbia **2018**, p. 75
- ◆ **Jelena Rmuš**, Sonja Jovanović, Davide Peddis, Danica Bajuk-Bogdanović, Danilo Suvorov, **Physicochemical properties of cobalt ferrite nanoparticles doped with zinc**, Sixteenth Young Researchers' Conference Materials Science and Engineerings, December 6-8, **2017**, Belgrade, Serbia. Smilja Marković (urednik), Programme and the book of abstracts. Belgrade: Institute of Technical Sciences of SASA, 2017, str.53.
- ◆ Sonja Jovanović, **Jelena Rmuš**, Marija Vukomanović, **Preparation of zinc-doped cobalt ferrite nanoparticles via solvothermal method**, The 2nd Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, 3 – 4 October **2017**, Belgrade, Serbia, str 20.
- ◆ Sonja Jovanović, Marija Vukomanović, **Jelena Rmuš**, Danilo Suvorov, **Preparation of antimicrobial gold-cobalt ferrite nanocomposites**, The XXI International Scientific Conference of Young Scientists and Specialists (AYSS-2017), 2 - 6 October **2017**, Dubna, Moscow Region, Russia
- ◆ Sonja Jovanović, **Jelena Rmuš**, Marija Vukomanović, Danica Bajuk-Bogdanović, Davide Peddis, Danilo Suvorov, **Synthesis and characterization of zinc doped cobalt ferrite nanoparticles**, 4th Conference of the Serbian Society for Ceramic Materials – 4CSCS-2017, June 14-16, 2017, Belgrade, Serbia. Branko Matović (urednik), Zorica Branković (urednik), Dušan Bučevac (urednik), Vladimir V. Srdić (urednik), Programme and the book of abstracts. Belgrade: Institute for Multidisciplinary Research, University of Belgrade, **2017**, str. 51-52.