

## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** **RAŠKOVIĆ-LOVRE, Željka**  
**Address(es)** 7, Dr Zore Ilić Obradović, 11000 Belgrade, Serbia  
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**E-mail** [zeljka.raskovic@vinca.rs](mailto:zeljka.raskovic@vinca.rs)  
**Nationality** Serbian  
**Date of birth** 23.05.1983.  
**Gender** Female

### Work experience

|   |  |
|---|--|
| <b>Dates</b><br><b>Occupation or position held</b><br><b>Main activities and responsibilities</b><br><b>Name and address of employer</b><br><b>Type of business or sector</b> | From July 2011 to December 2015<br>Research Fellow<br>Working on multinational project - "Nanostructured materials for solid-state hydrogen storage"- MPNS COST Action MP1103<br>Department of Material Science, Vinča Institute of Nuclear Sciences, University of Belgrade, 12-14 Mike Petrovića Alasa, 11001 Belgrade, Serbia<br>Scientific Institution   |
| <b>Dates</b><br><b>Occupation or position held</b><br><b>Main activities and responsibilities</b><br><b>Name and address of employer</b><br><b>Type of business or sector</b> | From July 2010 till now<br>Research Assistant<br>Working on synthesis of magnesium based materials for hydrogen storage, within national project "Synthesis processing and characterization of nanostructured materials for application in the fields of energy, mechanical engineering, environment and biomedicine"<br>Department of Material Science, Vinča Institute of Nuclear Sciences, University of Belgrade, 12-14 Mike Petrovića Alasa, 11001 Belgrade, Serbia<br>Scientific Institution   |
| <b>Dates</b><br><b>Occupation or position held</b><br><b>Main activities and responsibilities</b><br><b>Name and address of employer</b><br><b>Type of business or sector</b> | From July 2010 to December 2012<br>Research Fellow<br>TPD investigation of irradiated materials - thin films, with <i>in-situ</i> tracking study of desorption process, combined with optical microscopy and programmed heating of the samples, with in bilateral project - "Effects of low energy ion irradiation on the catalytic activity magnesium and magnesium based intermetallic compounds"<br>Department of Material Science, Vinča Institute of Nuclear Sciences, University of Belgrade, 12-14 Mike Petrovića Alasa, 11001 Belgrade, Serbia<br>Scientific Institution |

Dates From April 2010 to July 2010  
 Occupation or position held Physics Teacher  
 Main activities and responsibilities Teaching physics to 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> grade pupils  
 Name and address of employer "Starina Novak" Primary School, 33-37 Knez Danilova, 11000 Belgrade, Serbia  
 Type of business or sector Education

**Education and training**

Dates From October 2010 till now  
 Title of qualification awarded Ph.D candidate  
 Principal subjects/occupational skills covered Conducting research on hydrogen storage materials  
 Name and type of organisation providing education and training Faculty of Physical Chemistry, University of Belgrade, 12-16, Studentski trg, 11000 Belgrade, Serbia

Dates From October 2009 to September 2010  
 Title of qualification awarded Master in Science  
 Principal subjects/occupational skills covered Theme: "Synthesis and dehydrogenation of MgH<sub>2</sub>/SiC composite/ synthesis and characterization"  
 Name and type of organisation providing education and training Faculty of Physical Chemistry, University of Belgrade, 12-16, Studentski trg, 11000 Belgrade, Serbia

Dates From October 2002 to December 2009  
 Title of qualification awarded Graduate degree in physical chemistry  
 Principal subjects/occupational skills covered Theme: "Physical and chemical properties of biodiesel/ monitoring"  
 Name and type of organisation providing education and training Faculty of Physical Chemistry, University of Belgrade, 12-16, Studentski trg, 11000 Belgrade, Serbia

Dates September 2008  
 Title of qualification awarded Completed training  
 Principal subjects/occupational skills covered Serbian Ministry of Education and Science organized training titled "Finding niche market for inventions". It lasted for a month with the aim of qualifying trainees for successful monetization of scientific inventions.  
 Name and type of organisation providing education and training Ministry of Education and Science, 24 Nemanjina, 11000 Belgrade, Serbia

**Personal skills and competences**

Mother tongue(s) **Serbian**

Other language(s)

Self-assessment  
*European level (\*)*

**English**

**German**

**Arabic**

| Understanding |                 |         |                 | Speaking           |                 |                   |                 | Writing |                 |
|---------------|-----------------|---------|-----------------|--------------------|-----------------|-------------------|-----------------|---------|-----------------|
| Listening     |                 | Reading |                 | Spoken interaction |                 | Spoken production |                 |         |                 |
| C2            | Proficient user | C2      | Proficient user | C1                 | Proficient user | C1                | Proficient user | C1      | Proficient user |
| A1            | Basic user      | A2      | Basic user      | A1                 | Basic user      | A2                | Basic user      | A2      | Basic user      |
| A1            | Basic user      | A2      | Basic user      | A1                 | Basic user      | A2                | Basic user      | A2      | Basic user      |

(\*) *Common European Framework of Reference for Languages*

Social skills and competences

- Highly developed team spirit
- Flexibility

|                                       |  |
|---------------------------------------|--|
| Organisational skills and competences | <ul style="list-style-type: none"> <li>• Readiness to listen to others while having a strong sense of responsibility to make decisions</li> <li>• Willingness to learn new things, open and communicative</li> </ul> <p>Experienced in working under pressure and delivering results in short deadlines</p> <p>Gained high quality practical organisational skills through following scientific activities and conferences:</p> <ul style="list-style-type: none"> <li>• Member of program and organizing committee of the Joint meeting of 11<sup>th</sup> Conference of Young Researchers in Field of Material Science and the 1<sup>st</sup> European Early Stage Researchers Conference of Hydrogen Storage, 03-05. 12. 2012, Belgrade, Serbia</li> <li>• Member of organizing committee of the 1<sup>st</sup> Conference of the Serbian Ceramic Society, 17-18.03.2011, Belgrade, Serbia</li> <li>• Member of technical committee of the 4<sup>th</sup> Serbian congress for microscopy, 11-12.10.2010, Belgrade, Serbia</li> <li>• Field data gathering on "Identifying places of origin and amount of waste motor oil and its organized collection" program, organized by "CONSECO", Obrenovac, Serbia, 2009</li> </ul>   |
| Technical skills and competences      | X-ray Diffraction analysis by PCW (powder cell software), SEM analysis of data, SRIM Monte Carlo simulation,   |
| Computer skills and competences       | Advanced knowledge of Microsoft Office (and LibreOffice) applications and Internet; Basic usage of Corel Draw, Adobe Illustrator and Adobe Photoshop; Experienced in specialized software (Origin and FindIt-XRD data base)  |
| Artistic skills and competences       | Experienced interior design<br>Finished basic course for fashion design<br>Big fan of analogue photography   |
| Other skills and competences          | Finished basic course in speleology at Research Society "Vladimir Mandić Manda", Valjevo, Serbia   |
| <b>Additional information</b>         | <p><b>Selected Papers:</b></p> <ol style="list-style-type: none"> <li>1. Lj. Matović, S. Kurko, <b>Ž. Rašković-Lovre</b>, R. Vujasin, I. Milanović, S. Milošević, J. Grbović Novaković, <b>Assessment of changes in desorption mechanism of MgH<sub>2</sub> after ion bombardment induced destabilization</b>, Int.J.Hyd. Energy 2012, DOI:10.1016/j.ijhydene.2012.01.084</li> <li>2. J. Gulicovski, <b>Ž. Rašković-Lovre</b>, S. Kurko, R. Vujasin, Z. Jovanović, Lj. Matović, J. Grbović Novaković, <b>Influence of vacant CeO<sub>2</sub> nanostructured ceramics on MgH<sub>2</sub> hydrogen desorption properties</b>, Ceram. Int 38 (2) (2012)1181-1186</li> <li>3. S. Kurko, <b>Ž. Rašković</b>, N. Novaković, B. Paskaš Mamula, Z. Jovanović, Z. Baščarević, J. Grbović Novaković, Lj. Matović, <b>Hydrogen storage properties of MgH<sub>2</sub> mechanically milled with <math>\alpha</math> and <math>\beta</math> SiC</b>, Int.J.Hyd. Energy 36(1) (2011)1184-1189</li> </ol> <p><b>Congresses and conferences attended (listed 3/14):</b></p> <ol style="list-style-type: none"> <li>1. <b>Ž. Rašković-Lovre</b>, S.Milošević, I. Milanović, S. Kurko, R. Vujasin, Z. Baščarević, J. Grbović Novaković, Lj. Matović, <b>Microstructure and hydrogen storage properties of MgH<sub>2</sub>-TiB<sub>2</sub>-SiC composites</b>, Proceedings of 10<sup>th</sup> Multinational Cogress of Microscopy, Urbino 4-9.09.2011, Italy, pg.507</li> <li>2. <b>Ž. Rašković-Lovre</b>, S.Milošević, I. Milanović, S. Kurko, R. Vujasin, Z. Baščarević, J. Grbović Novaković, Lj. Matović, <b>Microstructure and hydrogen storage properties of MgH<sub>2</sub>-TiB<sub>2</sub>-SiC composites</b>, Proceedings of 10<sup>th</sup> Multinational Cogress of Microscopy, Urbino, 4-9.09.2011, Italy, pg.507</li> <li>3. <b>Ž. Rašković</b>, S. Kurko, R. Vujasin, J. Gulicovski, S. Milošević, Lj. Matović, J. Grbović Novaković, <b>Hydrogen storage properties of MgH<sub>2</sub>-CeO<sub>2</sub> composites</b>, 9<sup>th</sup> Young Researchers Conference Materials Sciences and Engineering, Belgrade, 20-22.12.2010, Serbia, pg. 33</li> </ol> <p><b>Awards:</b></p> <ol style="list-style-type: none"> <li>1. 3<sup>rd</sup> place at 1<sup>st</sup> Conference of the Serbian Ceramic Society, 17-18.03.2011, Belgrade, Serbia ESR competition-oral presentation</li> <li>2. Poster award/ Material Science: Microstructure and hydrogen storage properties of MgH<sub>2</sub> – TiB<sub>2</sub> – SiC composite, 10<sup>th</sup> Multinational Congress on Microscopy, Urbino 4-9.09.2011, Italy</li> <li>3. 2<sup>nd</sup> place at "The Best Technology Innovation of Serbia 2008" contest, in category: Innovative ideas - Water, ecology and materials; organized by Ministry of Science of Republic of Serbia</li> </ol> |

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