

Curriculum Vitae



Personal information

First name(s) / Surname(s) **PASKAŠ MAMULA,Bojana**
Address(es) 12-14, Mike Petrovića Alasa 11 000 Belgrade, Serbia
Telephone(s) +381 113408610 Mobile: +381 638605400
Fax(es) +381 113408224
E-mail bpmamula@vinca.rs
Nationality Serbian
Date of birth 23.10.1977.
Gender Female

Work experience

Dates	From July 2011 to December 2015
Occupation or position held	Research Assistant
Main activities and responsibilities	Researcher on COST Action MP1103 Nanostructured materials for solid-state hydrogen storage Member of working group devoted to the calculations
Name and address of employer	Department of Materials Science, Vinča Institute of Nuclear Sciences, University of Belgrade, 12-14 Mike Petrovića Alasa, 11001 Belgrade, Serbia
Type of business or sector	Scientific Institution
Dates	From 2011 to 2012
Occupation or position held	Research Assistant
Main activities and responsibilities	Researcher on international project: Investigation of mechanism of formation and bonding features of local structures in highly doped metal oxides
Name and address of employer	Department of Materials Science, Vinča Institute of Nuclear Sciences, University of Belgrade, 12-14 Mike Petrovića Alasa, 11001 Belgrade, Serbia
Type of business or sector	Scientific Institution
Dates	From 2010 to 2014
Occupation or position held	Research Assistant
Main activities and responsibilities	Researcher National project "Synthesis, processing and characterization of nanostructured materials for application in the fields of energy, mechanical engineering, environment and biomedicine"
Name and address of employer	Department of Materials Science, Vinča Institute of Nuclear Sciences, University of Belgrade, 12-14 Mike Petrovića Alasa, 11001 Belgrade, Serbia
Type of business or sector	Scientific Institution
Dates	From 2010 to 2014
Occupation or position held	Research Associate
Main activities and responsibilities	National project "Optoelectronic nanodimensional systems "

Name and address of employer	Researcher in work package: Electronic principles of formation and functioning of nanostructures Department of Materials Science, Vinča Institute of Nuclear Sciences, University of Belgrade, 12-14 Mike Petrovića Alasa, 11001 Belgrade, Serbia																	
Type of business or sector	Scientific Institution																	
Dates	From 2010 to 2012																	
Occupation or position held	Research Associate																	
Main activities and responsibilities	Researcher: Bilateral project “Effects of low energy ion irradiation on the catalytic activity magnesium and magnesium based intermetallic compounds”																	
Name and address of employer	Department of Materials Science, Vinča Institute of Nuclear Sciences, University of Belgrade, 12-14 Mike Petrovića Alasa, 11001 Belgrade, Serbia																	
Type of business or sector	Scientific Institution																	
Education and training																		
Dates	2010																	
Title of qualification awarded	PhD candidate at Faculty of Physics University of Belgrade																	
Principal subjects/occupational skills covered	Theoretical modeling of various metal- hydrogen systems; Electronic structure calculation of various rocksalt type compounds- a charge topology study																	
Name and type of organisation providing education and training	Faculty of Physics University of Belgrade, 12-16, Studentski trg, 11000 Belgrade, Serbia																	
Dates	2005																	
Title of qualification awarded	Graduate degree in physics																	
Principal subjects/occupational skills covered	Theme: “Analysis of time series of energy losses of mions cosmic radiation in plastic scintillation detectors”																	
Name and type of organisation providing education and training	Faculty of Physics, University of Belgrade, 12-16, Studentski trg, 11000 Belgrade, Serbia																	
Personal skills and competences																		
Mother tongue(s)	Serbian																	
Other language(s)																		
Self-assessment																		
<i>European level (*)</i>																		
English	<table border="0"> <tr> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th>Writing</th> </tr> <tr> <td>Listening</td> <td>Reading</td> <td>Spoken interaction</td> <td>Spoken production</td> <td></td> </tr> <tr> <td>C1 Proficient user</td> <td>C1 Proficient user</td> <td>C1 Proficient user</td> <td>C1 Proficient user</td> <td>C1 Proficient user</td> </tr> </table>	Understanding		Speaking		Writing	Listening	Reading	Spoken interaction	Spoken production		C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user		
Understanding		Speaking		Writing														
Listening	Reading	Spoken interaction	Spoken production															
C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user														
	(*) <i>Common European Framework of Reference for Languages</i>																	
Organisational skills and competences	<ul style="list-style-type: none"> Member of program and organizing committee of the joint meeting of 11th Conference of young researchers in field of material science and the 1st European early stage researchers conference of hydrogen storage , 03-05. 12. 2012, Belgrade, Serbia Member of program committee of the 1st Conference of the Serbian Ceramic Society, 17-18. 03.2011, Belgrade, Serbia Member organizing board of 4th Serbian congress on microscopy 																	
Technical skills and competences	<ul style="list-style-type: none"> Electronic structure calculations using state-of-art WIEN2k codes, SRIM Monte Carlo simulation 																	
Computer skills and competences	<ul style="list-style-type: none"> Advanced knowledge of Microsoft Office (and Open Office) applications and Internet; Advanced Corel Draw, Adobe Photoshop; Advanced: Origin, FindIt-XRD data base 																	

Professional memberships

- Member of Serbian society for microscopy
- European microscopy society
- Materials research society-Serbia
- Society of physics of Serbia

Social skills and competences

- Highly developed team spirit
- Flexibility, responsibility
- Very organized person
- Problem-solving attitude
- Readiness to learn new things, open and communicative

Selected Papers in last 5 years

1. S. Kurko, Ž. Rašković, N. Novaković, **B. Paskaš Mamula**, Z. Jovanović, Z. Baščarević, J. Grbović Novaković, Lj. Matović, **Hydrogen storage properties of MgH₂ mechanically milled with α and β SiC**, Int.J.Hyd. Energy 36 (2011) 549-554
2. S. Kurko, Lj. Matović, N. Novaković, B. Matović, Z. Jovanović, **B. Paskaš Mamula**, J. Grbović Novaković, **Changes of Hydrogen Storage Properties of MgH₂ Induced by Boron Ion Irradiation**, Int.J.Hyd. Energy 36 (2011) 1184-1189
3. S. Kurko, **B. Paskaš-Mamula**, Lj. Matovic, J. Grbovic Novakovic, N. Novakovic, **The Influence of Boron Doping Concentration on MgH₂ Electronic Structure**, Acta Physica Polonica 120(2)(2011) 238-241

Congresses and conferences attended -last 3 years

1. N. Novaković, **B. Paskaš Mamula**, I. Radisavljević, J. Grbović Novaković, N. Ivanović, **An *ab initio* study of Mg-H phase diagram**, The book of abstract of 1st Conference of the Serbian Ceramic Society, Belgrade, Serbia 17-18.03.2011 pg.52
2. J. Grbovic Novakovic, A.Djukic, **B. Paskaš Mamula**, N. Novakovic, Lj. Matovic, Lj. Vulicevic, N. Ivanovic, **Microstructure and morphology of natural clay minerals**, Proceedings of 10th Multinational Congress of Microscopy, Urbino 4-9.09.2011, Italy, pg.639
3. Ž. Rašković, S. Kurko, **B. Paskaš Mamula**, Lj. Matović, N. Novaković, R. Vujasin, J. Grbović Novaković, **Improvement of hydrogen storage properties of MgH₂ by α and β -SiC**, The book of abstract of 1st Conference of the Serbian Ceramic Society, Belgrade, Serbia 17-18.03.2011 pg.60
4. Lj. Matović, S. Kurko, Z. Rašković, **B. Paskaš Mamula**, Z. Baščarević, N. Novaković, J. Grbović Novaković, **Improvement of Hydrogen Storage Properties of MgH₂ by α and β -SiC**, 12th Annual Conference YUCOMAT 2010 Hotel "Plaža", Herceg Novi, Montenegro, September 6–10, 2010, Programme and The Book of Abstracts pg. 114
5. S. Kurko, **B. Paskaš Mamula**, Lj. Matović, J. Grbović Novaković, N. Novaković, **The Influence Of Boron Doping Concentration On MgH₂ Electronic Structure**, 12th Annual Conference YUCOMAT 2010 Hotel "Plaža", Herceg Novi, Montenegro, September 6–10, 2010 Programme and The Book of Abstracts pg.120