

# Milica Vasić

## CURRICULUM VITAE

Date of birth: March 24, 1987

Place of birth: Belgrade, Serbia

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### EDUCATION

- **2016 (February)** - PhD degree in Physical Chemistry, Faculty of Physical Chemistry, Belgrade University  
PhD Thesis: Crystallization kinetics and microstructural changes of thermally treated iron-based amorphous alloys. Average grade: 9.86
- **2011 (September)** - Master degree in Physical Chemistry, Faculty of Physical Chemistry, Belgrade University  
Master's Thesis: Syntheses, characterization and application of gallic-carbon.  
Average grade: 10.0
- **2010 (October)** - Bachelor degree in Physical Chemistry, Faculty of Physical Chemistry, Belgrade University  
Bachelor's Thesis: Metal oxide electrodes application to electroanalysis.  
Average grade: 9.70
- **2002 - 2006** Ninth Belgrade Gymnasium. Excellent student at Gymnasium

Awarded by Serbian Chemical Society (2011) and Society of Physical Chemists of Serbia (2014) for outstanding results during education.

During studies, scholarships of the City of Belgrade and the Ministry of Education of the Government of the Republic of Serbia.

### WORK EXPERIENCE

- **December 2011. – present** – Researcher at Faculty of Physical Chemistry, Belgrade University.  
Published: 13 research papers in international journals, 14 conference presentations.  
Contributed to preparation of more than 20 students' bachelor and master theses in her research field. Took part in the activities aimed to promote science.

- **2011. (6 months).** – Institute of Occupational and Radiological Health, Serbia, Department of Radioecology - measurements of radioactivity in food and environmental samples.

**RESEARCH INTERESTS** - Materials science, solid-state transformations, kinetics, electrochemistry

**FOREIGN LANGUAGE SKILLS:**

- English language, upper-intermediate
- French language, basic

**PUBLISHED PAPERS**

- Milica M. Vasić, Pavla Roupcová, Nadežda Pizúrová, Sanja Stevanović, Vladimir A. Blagojević, Tomáš Žák, Dragica M. Minić, Thermally induced structural transformations of  $\text{Fe}_{40}\text{Ni}_{40}\text{P}_{14}\text{B}_6$  amorphous alloy, *Metallurgical and Materials Transactions A*, 47A (2016) 260-267
- Jelena D. Zdravković, Dejan Poleti, Jelena Rogan, Nebojša N. Begović, Vladimir A. Blagojević, Milica M. Vasić, Dragica M. Minić, Thermal stability and degradation of binuclear hexaaquabis(ethylenediamine)-(12-pyromellitato)dinickel(II) tetrahydrate, *Journal of Thermal Analysis and Calorimetry*, 123 (2016) 1715-1726
- Milica M. Vasić, Vladimir A. Blagojević, Nebojša N. Begović, Tomáš Žák, Vladimir B. Pavlović, Dragica M. Minić, Thermally induced crystallization of amorphous  $\text{Fe}_{40}\text{Ni}_{40}\text{P}_{14}\text{B}_6$  alloy, *Thermochimica Acta* 614 (2015) 129-136
- Milica M. Vasić, Dušan M. Minić, Vladimir A. Blagojević, Tomáš Žák, Nadežda Pizúrová, Bohumil David, Dragica M. Minić, Thermal stability and mechanism of thermally induced crystallization of  $\text{Fe}_{73.5}\text{Cu}_1\text{Nb}_3\text{Si}_{15.5}\text{B}_7$  amorphous alloy, *Acta Physica Polonica A*, 128 (2015) 657-660
- Milica M. Vasić, Dušan M. Minić, Vladimir A. Blagojević, Dragica M. Minić, Kinetic and mechanism of thermally induced crystallization of amorphous  $\text{Fe}_{73.5}\text{Cu}_1\text{Nb}_3\text{Si}_{15.5}\text{B}_7$ , *Thermochimica Acta* 584 (2014) 1-7
- Nebojša Begović, Milica M. Vasić, Ana Grković, Vladimir A. Blagojević, Dragica M. Minić, Isokinetic parameters of thermal degradation of powder of  $[\text{Cd}(\text{N-Boc-gly})_2(\text{H}_2\text{O})_2]_n$ , *Science of Sintering*, (2014), 46 (2014) 323-330

- Vladimir A. Blagojević, Milica Vasić, Bohumil David, Dušan M. Minić, Nadežda Pizúrová, Tomáš Žák, Dragica M. Minić, Microstructure and functional properties of Fe<sub>73.5</sub>Cu<sub>1</sub>Nb<sub>3</sub>Si<sub>15.5</sub>B<sub>7</sub> amorphous alloy, *Materials Chemistry and Physics* 145 (2014) 12-17
- Vladimir A. Blagojević, Milica Vasić, Bohumil David, Dušan M. Minić, Nadežda Pizúrová, Tomáš Žák, Dragica M. Minić, Thermally induced crystallization of Fe<sub>73.5</sub>Cu<sub>1</sub>Nb<sub>3</sub>Si<sub>15.5</sub>B<sub>7</sub> amorphous alloy, *Intermetallics* 45 (2014) 53-59
- Vladimir A. Blagojević, Dušan M. Minić, Milica Vasić, Dragica M. Minić, Thermally induced structural transformations and their effect on functional properties of Fe<sub>89.8</sub>Ni<sub>1.5</sub>Si<sub>5.2</sub>B<sub>3</sub>C<sub>0.5</sub> amorphous alloy, *Materials Chemistry and Physics* 142 (2013) 207-212
- Milica Vasić, Dušan M. Minić, Vladimir A. Blagojević, Dragica M. Minić, Mechanism and kinetics of crystallization of amorphous Fe<sub>81</sub>B<sub>13</sub>Si<sub>4</sub>C<sub>2</sub> alloy, *Thermochimica Acta* 572 (2013) 45– 50
- Milica Vasić, Dušan M. Minić, Vladimir A. Blagojević, Dragica M. Minić, Mechanism of thermal stabilization of Fe<sub>89.8</sub>Ni<sub>1.5</sub>Si<sub>5.2</sub>B<sub>3</sub>C<sub>0.5</sub> amorphous alloy, *Thermochimica Acta*, 562 (2013) 35-41
- Vladimir A. Blagojević, Milica Vasić, Dušan M. Minić, Dragica M. Minić, Kinetics and thermodynamics of thermally induced structural transformations of amorphous Fe<sub>75</sub>Ni<sub>2</sub>Si<sub>8</sub>B<sub>13</sub>C<sub>2</sub> alloy, *Thermochimica Acta*, 549 (2012) 35-41
- Milica Vasić, Biljana Šljukić, Gregory G. Widgoose, Richard G. Compton, Adsorption of bismuth ions on graphite chemically modified with gallic acid, *Physical Chemistry Chemical Physics*, 14 (2012) 10027-10031

## CONFERENCE PRESENTATIONS

- M. M. Vasić, R. Surla, J. Papan, N. Begović, N. Mitrović, D. M. Minić, Thermally induced structural transformations of multicomponent Fe<sub>72</sub>Cu<sub>1</sub>V<sub>4</sub>Si<sub>15</sub>B<sub>8</sub> alloy, Proceedings of the 13th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, September 26-30, 2016, p.597-600.
- N. Begović, M. M. Vasić, N. Filipović, A. S. Malešević, D. M. Minić, Thermally induced degradation of *cis*-dichlorido[(E)-ethyl-2-(2-((8-hydroxy-quinolin-2-yl)methylene)hydrazinyl) acetate-κ-2N]-palladium(II) complex, Proceedings of the 13th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, September 26-30, 2016, p.601-604.

- Radoslav Surla, Milica Vasić, Nebojša Mitrović, Ljubica Radović, Ljubica Totovski, Dragica Minić, Thermal stability and microstructural changes induced by annealing in nanocrystalline  $\text{Fe}_{72}\text{Cu}_1\text{V}_4\text{Si}_{15}\text{B}_8$  alloy, 7<sup>th</sup> International Scientific Conference on Defensive Technologies, proceedings, Belgrade, Serbia, 6-7 October 2016, p.678-681
- Milica Vasić, Maria Čebela, Radmila Hercigonja, Diogo M.F. Santos, Biljana Šljukić, Pd modified X zeolite electrodes for hydrogen evolution reaction in alkaline medium, 2<sup>nd</sup> International Meeting on Materials Science for Energy Related Applications (Physical Chemistry 2016), Book of abstracts, Belgrade, Serbia, September 29-30, 2016, p.63
- Jovana S. Arandelović, Milica Vasić, Radmila Hercigonja, Biljana Šljukić, Application of zeolite X exchanged with Pd ions for electrolytical hydrogen generation, Fourth Conference of Young Chemists of Serbia, Book of abstracts, Belgrade, Serbia, November 5, 2016, p.24
- Milica M. Vasić, Vladimir A. Blagojević, Dragica M. Minić, Thermally induced structural transformations of  $\text{Fe}_{40}\text{Ni}_{40}\text{P}_{14}\text{B}_6$  amorphous alloy, 13th young researchers' conference - materials science and engineering, December 10-12, 2014, Belgrade, Serbia, p.26
- D. M. Minić, M. Vasić, D. M. Minić, B. David, V. A. Blagojević, T. Žák, Thermally induced structural transformations of  $\text{Fe}_{73.5}\text{Cu}_1\text{Nb}_3\text{Si}_{15.5}\text{B}_7$  amorphous alloy, The Third Serbian Ceramic Society Conference »Advanced Ceramics and Application«, September 29-October 1, 2014.
- M. M. Vasić, V. A. Blagojević, D. M. Minić, B. David, T. Žák, D. M. Minić, Kinetics of crystallization of  $\alpha$ -(Fe,Si) phases in amorphous  $\text{Fe}_{37.5}\text{Ni}_{17.5}\text{Cr}_5\text{Co}_{15}\text{B}_{15}\text{Si}_{10}$  alloy, Physical Chemistry 2014 Proceedings of the 12<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, 2014, p.308-311
- M. M. Vasić, D. M. Minić, V. A. Blagojević, T. Žák, N. Pizúrová, B. David, D. M. Minić, Thermal stability and mechanism of thermally induced crystallization of  $\text{Fe}_{73.5}\text{Cu}_1\text{Nb}_3\text{Si}_{15.5}\text{B}_7$  amorphous alloy, 13<sup>th</sup> International symposium on physics of materials ISPMA13, Prague, Czech Republic, August 31-September 4, 2014.
- M. M. Vasić, D. M. Minić, V. A. Blagojević, R. R. Piticescu, D. M. Minić, Thermal stability and mechanism of crystallization of  $\text{Fe}_{81}\text{B}_{13}\text{Si}_4\text{C}_2$  amorphous alloy, YUCOMAT 2013, September 2-6, 2013, Herceg Novi, Crna Gora, The Book of Abstracts, p.88
- Nebojša Begović, Jelena Tanasijević, Nemanja Stojanović, Milica Vasić, Vladimir Blagojević, Dejan Poleti, Dragica M. Minić, Thermal degradation of

[Ni<sub>2</sub>(btc)(dipy)2(H<sub>2</sub>O)<sub>6</sub>]<sub>4</sub>·4H<sub>2</sub>O complex, CEEC-TAC2, 27-30 August 2013, Vilnius, Lithuania, Book of abstracts, p.435

- Milica M. Vasić, Vladimir A. Blagojević, Dušan M. Minić, Dragica M. Minić, Kinetics of crystallization of Fe<sub>89.8</sub>Ni<sub>1.5</sub>Si<sub>5.2</sub>B<sub>3</sub>C<sub>0.5</sub> amorphous alloy, The Eleventh Young Researchers' Conference Materials Science and Engineering, December 3-5, 2012, Belgrade, Serbia, The Book of Abstracts, p.13
- D. M. Minić, S. Meseldžija, M. Vasić, V. Blagojević, Microstructure and crystal growth in thermally treated Fe<sub>73.5</sub>Cu<sub>1</sub>Nb<sub>3</sub>Si<sub>15.5</sub>B<sub>7</sub> alloy, Physical Chemistry 2012 Proceedings of the 11<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, 2012, p.474-476
- Vladimir Blagojević, Milica Vasić, Ana Grković, Dušan Minić, Dragica Minić, Influence of thermally induced structural transformations on magnetic properties of Fe<sub>75</sub>Ni<sub>2</sub>Si<sub>8</sub>B<sub>13</sub>C<sub>2</sub> alloy, The First Serbian Ceramic Society Conference »Advanced Ceramics and Application«, May 10-11, 2012, Belgrade, Serbia, The Book of Abstracts, p.12