

Branislav Stanković

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Education

Faculty of Physical Chemistry, University of Belgrade, PhD studies (research field: solid-state science)	2013-2017
Faculty of Physical Chemistry, University of Belgrade, Master studies (GPA: 10.00, ECTS: 66)	2012-2013
Faculty of Physical Chemistry, University of Belgrade, Bachelor studies (GPA: 10.00, ECTS: 251)	2008-2012

Career Information

Teaching Assistant at Faculty of Physical Chemistry Courses: <i>Introduction to Laboratory Practice</i> <i>Physical Chemistry 1 for students of Chemistry</i> <i>Physical Chemistry 2 for students of Chemistry</i> <i>Statistical Thermodynamics</i> <i>Mathematical Methods in Physical Chemistry</i> <i>Physical Chemistry of Solid States</i>	2014-
Research Assistant at Faculty of Physical Chemistry	2013-2014

Research interests

Physical chemistry of Solid State and Surfaces
Mathematical Chemistry
Theoretical and Computational Chemistry
Environmental Chemistry
Nonlinear Dynamics

Participation in Scientific projects

Project No. 172015 funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia.

COST Action CA15107

COST Action CM1304

Bilateral Project Serbia-China, Project No. 6ICZSD

Awards and Fellowships

<i>Diploma "Pavle Savić" for outstanding achievement during the study</i>	
given by "Society of Physical Chemists of Serbia"	2014
<i>Second award for best bachelor and master theses</i>	
given by "Fund for chemical sciences - Nenad M. Kostić "	2014
<i>Second "Pupin award of Matica Srpska" for best bachelor and master theses</i>	
given by "Matica Srpska"	2014
<i>Award for outstanding achievement during the study</i>	
given by "Serbian Chemical Society"	2013
<i>Award to natural sciences students who have achieved outstanding success during education</i>	
given by "Hemofarm Fondation"	2013
<i>Award for one of two of the best bachelor theses</i>	
given by "Bulaić Sisters Fondation"	2013

Member of "Society of Physical Chemists of Serbia" and "Serbian Chemical Society"

Selected papers

1. B. Stanković, J. Jovanović, S. Ostojić, B. Adnađević, "Kinetic analysis of non-isothermal dehydration of poly (acrylic acid)-g-gelatin hydrogel using distributed activation energy model", *J. Therm. Anal. Calorim.*, 129 (2017) 541-551.
2. J. Jovanović B. Stanković, B. Adnađević, "Kinetics of isothermal dehydration of equilibrium swollen PAAG hydrogel under the microwave conditions", *J. Therm. Anal. Calorim.*, 127 (2017) 655-662.
3. B. Stanković, B. Ostojić, A. Popović, M. Gruden, D. Đorđević, "Theoretical study of nitrodibenzofurans: A possible relationship between molecular properties and mutagenic activity", *J. Hazard. Mater.*, 318 (2016) 623-630.
4. B. Stanković, B. Ostojić, A. Popović, M. Gruden, D. Đorđević, "Substituted naphthalenes: Stability, conformational flexibility and description of bonding based on ETS-NOCV method", *Chem. Phys. Lett.*, 661 (2016) 136-142.
5. B. Stanković, Ž. Čupić, S. Maćešić, N. Pejić, Lj. Kolar-Anić "Complex bifurcation in the oscillatory reaction model", *Chaos Solitons and Fractals*, 87 (2016) 84-91.

6. B. Potkonjak, J. Jovanović B. Stanković, S. Ostojić, B. Adnađević “Comparative analyses on isothermal kinetics of water evaporation and hydrogel dehydration by a novel nucleation kinetics model”, *Chem. Eng. Res. Design*, 100 (2015) 323-330.
7. B. Ostojić, B. Stanković, D. Đorđević, “Theoretical study of the molecular properties of dimethylantracenes as properties for the prediction of their biodegradation and mutagenicity”, *Chemosphere*, 111 (2014) 144-150.
8. B. Ostojić, B. Stanković, D. Đorđević, “The molecular properties of nitrobenzanthrone isomers and their mutagenic activities”, *Chemosphere*, 104 (2014) 228-23.
9. B. Stanković, S. Anić, “Short review on the models of Bray-Liebhafsky oscillatory reaction”, *Scientific Review Series: Scientific and Engineering- Special Issue Nonlinear Dynamics*, S2 (2013) 89-112, (Ed. Katica (Stevanovic) Hedrih), Serbian Scientific Society.
10. Ž. Čupić, A. Ivanović-Šašić, S. Anić, B. Stanković, J. Maksimović, Lj. Kolar-Anić, G. Schmitz, “Tourbillion in the Phase Space of the Bray-Liebhafsky Nonlinear Oscillatory Reaction and Related Multiple-Time-Scale Model”, *MATCH Commun. Math. Comput. Chem.*, 69 (2013) 805-830.