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Obrazovanje

- 1992. diplomirala na Fakultetu za fizičku hemiju, Univerzitet u Beogradu; tema: Primena metode DVR na računanje vibracionihn stanja nekih molekulskih sistema
- 1995. magistar fizičkohemijskih nauka; tema: *Ab initio* računanje spektra radikala BH_2, Fakultet za fizičku hemiju, Univerzitet u Beogradu
- 1997. doktor fizičkohemijskih nauka; tema: *Ab initio* proučavanje vibranske sprege u četvoroatomskim molekulima – analiza spektra B_2H_2, Fakultet za fizičku hemiju, Univerzitet u Beogradu

Profesionalno iskustvo

- 1992 – 2000: asistent na Fakultetu za fizičku hemiju, Univerzitet u Beogradu
- 2006 – 2007: istraživač-saradnik, Institut za hemiju, tehnologiju i metalurgiju, Univerzitet u Beogradu
- 2007 - 2012: naučni saradnik, Institut za hemiju, tehnologiju i metalurgiju, Univerzitet u Beogradu
- 2012 - : viši naučni saradnik, Institut za hemiju, tehnologiju i metalurgiju, Univerzitet u Beogradu

Boravci u inostranstvu

- 1995 Institut za fizičku i teorijsku hemiju, Univerzitet u Bonu, Bon, Nemačka
- 1999 – 2000: Institut za teorijsku hemiju, Univerzitet u Dizeldorfu, Dizeldorf, Nemačka
- 2000 – 2001: Steacie institut za molekularne nauke, Otava, Kanada

Nagrade i priznanja

- Nagrada za najboljeg studenta generacije koji je na Fakultetu za fizičku hemiju diplomirao 1992. godine, Univerzitet u Beogradu
- Nagrada za najbolji diplomski rad odbranjen 1992. godine na Fakultetu za fizičku hemiju, Univerzitet u Beogradu

Stipendije

- Stipendija za postdoktorske studije, Alexander von Humboldt fondacija, Nemačka
- Stipendija za postdoktorske studije, NSERC, Kanada

Oblasti istraživanja

- strukturne, vibracione i elektronske osobine polutanata i molekula od biohemijskog značaja
- računanje strukture i spektara manjih poliatomskih molekula
- ispitivanje uloge supstituenata (alkil, nitro, halogeni itd.) policikličnih aromatičnih ugljovodonika na molekulske osobinje koje mogu da odrede mutagene aktivnosti i biodegradaciju ovih jedinjenja
- ekscitovana elektronska stanja i njihova uloga u fotodegradaciji polutanata
- nekovalentne interakcije

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Strani jezici engleski, nemački

Izabrani radovi Poglavlja

1. Bojana D. Ostojić, Dragana S. Đorđević: “The polycyclic aromatic hydrocarbons – fuel components and ubiquitous environmental pollutants” in Polycyclic aromatic hydrocarbons; Editor: Clifford Boone, Nova Science Publishers, 2015, ISBN: 978-1-63483-657-9
2. Bojana D. Ostojić, Dragana S. Đorđević: "The molecular properties of some diesel fuel components and their biodegradation" in Diesel Fuels: Characteristics, Performances and Environmental Impacts; Editors: Cristobal Silva and Agustin Rivera, Nova Science Publishers, 2013, ISBN: 978-1-62618-866-2
3. Bojana D. Ostojić, Dragana S. Đorđević: “The application of Density Functional Theory to calculation of properties of environmentally important species di- and trimethylnaphthalenes” in Density Functional Theory: Principles, Applications and Analysis, Editors: Joseph Morin and Jean Marie Pelletier, Nova Sceince Publishers, 2013, ISBN: 978-1-62417-954-9

Pregledni članak

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- Bojana D. Ostojić, Dragana S. Đorđević (2015) Two nitro derivatives of azabenzo[a]pyrene N-oxide: electronic properties and their relation to mutagenic activity, J. Hazardous Materials, Volume 285, pp. 94-102
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- Ostojic, Bojana; Jensen, Per; Schwerdtfeger, Peter; Bunker, Philip (2013): The Predicted Spectrum and Singlet-Triplet Interaction of the Hypermetallic Molecule SrOSr, J. Phys. Chem. A 117 (39), pp. 9370-9379
- Bojana D. Ostojić, Dragana S. Đorđević (2012) The electronic properties of trimethylnaphthalenes as properties for the prediction of biodegradation rates: *Ab initio* and DFT study, Chemosphere, 88(1), pp. 91-97
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Saopštenja

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2. Branislav Stanković, Bojana Ostojić, and Dragana Đorđević, The molecular properties of nitrodibenzofurans and their mutagenicnactivities, 18th International Symposium on Environmental Pollution and its Impact on Life in the Mediteranean Region; Crete, Greece, September 26 – 30, 2015.
3. B. Ostojić, Per Jensen, P. A. Schwerdtfeger, and P. R. Bunker, *Ab initio* calculations for the of group 2 M_2O hypermetallic oxides,, The 23rd International Conference on High Resolution Molecular Spectroscopy, Bologna, Italy, September 2-6, 2014
4. Branislav Stanković, Bojana Ostojić, and Dragana Đorđević, Thereotical investigation of molecular properties of methylanthracenes and biodegradation, 17th International Symposium on Environmental Pollution and its Impact on Life in the Mediteranean Region; Istanbul, Turkey, September 28 - Oct 1, 2013
5. Ostojić, B., Đorđević, D. The molecular properties of trimethylnaphthalenes and prediction of their biodegradation rates, 17th International Symposium on Environmental Pollution and its Impact on Life in the Mediteranean Region; Istanbul, Turkey, September 28 - Oct 1, 2013
6. P. Jensen, B. Ostojić, P. R. Bunker, P. Schwerdtfeger, and A. Gertych, P. Jensen, The predicted infrared spectrum of the hypermetallic molecule CaOCa in its lowest two electronic states $X^1\Sigma_g^+$ and $a^3\Sigma_u^+$, The 22nd International Conference on High Resolution Molecular Spectroscopy, Prague, Czeck Republic, 4-8 September, 2012.
7. B. Ostojić, P. R. Bunker, P. Schwerdtfeger, A. Gertych, and P. Jensen, The predicted infrared spectrum of the hypermetallic molecule CaOCa in its lowest two electronic states $X^1\Sigma_g^+$ and $a^3\Sigma_u^+$, 67th International Symposium on Molecular Spectroscopy, Columbus, Ohio, USA, 18-20 June, 2012.
8. Ostojić, B., Jensen, P., Schwerdtfeger, P., Assodollahzadeh, B., and Bunker, P.R. The predicted infrared spectrum of the hyperberyllium molecule BeOBe in its $X^1\Sigma_g^+$ and $a^3\Sigma_u^+$electronic states, The 21st International Conference on High Resolution Molecular Spectroscopy, Poznan, Poland, 7-11 September 2010.
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10. S. N. Yurchenko. P. Jensen, R.J. Buenker, P.R. Bunker, and B. Ostojić: The Near Ultraviolet Band System of Singlet Methylene, The 17th Colloquium on High Resolution Molecular Spectroscopy, Papendal, The Netherlands, 9-13 September 2001.