

## Stručna biografija:

Danica Bajuk-Bogdanović je rođena 3.1.1977. godine u Rumi. Godine 1995. upisala se na Fakultet za fizičku hemiju, Univerziteta u Beogradu. Diplomirala je 2003. godine odbranom diplomskog rada pod nazivom "Ispitivanje ponašanja nekih heteropoli jedinjenja u vodenim rastvorima", čiji je mentor bila prof. dr Ubavka Mioč.

Doktorirala je na Fakultetu za fizičku hemiju Univerziteta u Beogradu 2013. godine odbranom doktorske disertacije pod nazivom: "Ispitivanje stabilnosti 12-volframfosforne, 12-volframsilicijumove i 12-molibdenfosforne kiselina u rastvorima", pod mentorstvom prof. dr Ivanke Holclajtner- Antunović i stekla zvanje doktora fizičkohemijiskih nauka.

Učestvovala je na projektima:

2003. - 2005. god.- "Sinteza i karakterizacija polioksometalata i sličnih jedinjenja i njihova primena u novim tehnologijama, biomedicini i zaštiti čovekove okoline", projekat br.1730, čiji je rukovodilac bila prof. dr Ubavka Mioč i

2006. - 2010. god.- "Struktura, termodinamičke i elektrohemijske osobine materijala za konverziju energije i nove tehnologije", projekat br. 142047, čiji je rukovodilac bio prof. dr Slavko Mentus.

Trenutno je angažovana na domaćim projektima:

"Elektroprovodni i redoks-aktivni polimeri i oligomeri: sinteza, struktura, svojstva i primena" projekat br. 172043, rukovodioca prof. dr Gordane Ćirić-Marjanović (2010. - 2015. god) i

"Procesi urbanizacije i razvoja srednjevekovnog društva", projekat br. 177021, pod rukovodstvom prof. dr Vujadina Ivaniševića (2010. - 2015. god).

Kao i na međunarodnim:

1. Physicochemical Characterisation of Heteropoly Compounds, projekat u okviru saradnje Srpske akademije nauka i umetnosti i Rumunske akademije nauka u periodu 2010-2012 i 2012-2015, rukovodilac sa srpske strane prof. dr Ivanka Holclajtner-Antunović.

2. SCOPES (Scientific Cooperation between Eastern Europe and Switzerland) – Project No IZ73ZO\_152457 *Conducting polymers synthesized by enzymatic polymerization*, finansiran od strane Swiss National Science Foundation (SNSF) i Swiss Agency for Development and Cooperation (SDC), u periodu 2014–2016, ko-rukovodilac sa srpske strane prof. dr Gordana Ćirić-Marjanović

Zaposlena je na Fakultetu za fizičku hemiju, kao samostalni saradnik. Zvanje naučni saradnik je stekla 30.04.2014. godine

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1. Aleksandra Janošević Ležaić, Sandra Luginbühl, Danica Bajuk-Bogdanović, Igor Pašti, Reinhard Kissner, Boris Rakvin, PeterWalde, GordanaĆirić-Marjanović, INSIGHT INTO THE TEMPLATE EFFECT OF VESICLES ON THE LACCASE-CATALYZED OLIGOMERIZATION OF N-phenyl- 1,4-phenylenediamine FROM RAMAN SPECTROSCOPY AND CYCLIC VOLTAMMETRY MEASUREMENTS, Scientific Reports 6 (2016) 30724

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1. Sandra Luginbühl, Maja Milojević-Rakić, Katja Junker, Danica Bajuk-Bogdanović, Igor Pašti, Reinhard Kissner, Gordana Ćirić-Marjanović, Peter Walde, The influence of anionic vesicles on the oligomerization of p-aminodiphenylamine catalyzed by horseradish peroxidase and hydrogen peroxide, *Synthetic Metals* 226 (2017) 89-103
2. Jelena Senćanski, Danica Bajuk-Bogdanović, Divna Majstorović, Elena Tchernychova, Jelena Papan, Milica Vujković, The synthesis of Li (Co Mn Ni) O<sub>2</sub> cathode material from spent-Li ion batteries and the proof of its functionality in aqueous lithium and sodium electrolytic solutions *Journal of Power Sources* 342(2017) 690-703
3. Vladimir Dodevski, Marija Stojmenović, Milica Vujković, Jugoslav Krstić, Sanja Krstić, Danica Bajuk-Bogdanović, Bojana Kuzmanović, Branka Kaluperović, Slavko Mentus, Complex insight into the charge storage behavior of active carbons obtained by carbonization of the plane tree seed, *Electrochimica Acta* 222 (2016) 156-171
4. M. Vujković, B. A. Vidoeski, S. Jovanović, D. Bajuk-Bogdanović, M. Budimir, Z. Marković, V. B. Pavlović, B. Todorović -Marković, I. Holclajtner-Antunović, Synthesis and characterization of electrochemically exfoliated graphene-molybdophosphate hybrid materials for charge storage devices, *Electrochimica Acta* 217 (2016) 34-46
5. Aleksandra Janošević Ležaić, Danica Bajuk-Bogdanović, Marija Radoičić, Vladimir M. Mirsky, Gordana Ćirić-Marjanović, "INFLUENCE OF SYNTHETIC CONDITIONS ON THE STRUCTURE AND ELECTRICAL PROPERTIES OF NANOFIBROUS POLYANILINES AND THEIR NANOFIBROUS CARBONIZED FORMS", *Synthetic Metals* 214 (2016) 35-44 (*IMPACT FACTOR: 2.252, DOI: 10.1016/J.SYNTHMET.2016.01.015*)

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7. Ivanka Holclajtner- Antunović, Danica Bajuk-Bogdanović, Alexandru Popa, Viorel Sacha, Bojana Nedić-Vasiljević, Aleksandra Rakić, Snežana Uskoković-Marković, "PREPARATION, CHARACTERIZATION AND CATALYTIC ACTIVITY OF MESOPOROUS  $\text{Ag}_2\text{HPW}_{12}\text{O}_{40}/\text{SBA-15}$  and  $\text{Ag}_2\text{HPW}_{12}\text{O}_{40}/\text{TiO}_2$  COMPOSITES", *Materials Chemistry and Physics* 160 (2015) 359-368 (*IMPACT FACTOR: 2.503, DOI: 10.1016/j.matchemphys.2015.04.052*)
8. M. Stojmenović, M. Žunić, J. Gulicovski, D. Bajuk-Bogdanović, I. Holclajtner-Antunović, V. Dodevski, S. Mentus, STRUCTURAL, MORPHOLOGICAL, AND ELECTRICAL PROPERTIES OF DOPED CERIA AS A SOLID ELECTROLYTE FOR INTERMEDIATE-TEMPERATURE SOLID OXIDE FUEL CELLS, *J. Mater. Sci.* 50 (2015) 3781-3794 (*IMPACT FACTOR: 2.320, DOI: 10.1007/s10853-015-8943-y*)
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M<sub>24</sub> - Rad objavljen u časopisu međunarodnog značaja verifikovan posebnim odlukama

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M<sub>53</sub> - Rad objavljen u naučnom časopisu

1. Holclajtner-Antunović, Milica Marić-Stojanović, D. Bajuk-Bogdanović, V. Andrić, Analza pigmenata sa fresaka i posuda pohranjenih u crkvi Svetog Spasa manastira Žiča, Naša prošlost 12 (2011) 89-97.

M<sub>63</sub> - Rad saopšten na skupu od međunarodnog značaja, štampan u celini

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4. I. Holclajtner-Antunović, D. Bajuk-Bogdanović, V. Bikić, M. Stojanović, J. Senčanski "MICRO-RAMAN AND INFRARED ANALYSIS OF MEDIEVAL POTTERY FINDS FROM BRANIČEVO", 10th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, September 21-24, 2010. Proceedings, vol. II, str. 670

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M<sub>34</sub> - Saopštenja sa međunarodnog skupa, štampana u izvodu

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