

Filip Bošković



Education

- 2014-** **University of Belgrade**, Faculty of Biology, Belgrade, BSc in Biology –Molecular Biology and Physiology
- 2016 - 2017** **VU university of Amsterdam**, Faculty of Earth and Life Sciences, research mobility, biomolecular sciences
- 2015** **University of Zurich**, Faculty of Sciences, Biology Undergraduate Summer School
- 2010 - 2014** **Zemunska Grammar school** specialized for Science and Mathematics

Languages

- Serbian C2 level
Slovenian C1 level
English C1 level
Russian B2 level

Research experience

- 2015** Biology Undergraduate Summer School, University of Zurich, Institute for Evolutional Biology and Environmental Sciences, Peter Szovenyi's research group
- 2015** Volunteer at the Laboratory for molecular biology, supervisors: PhD Aleksandra Nikolic Institute for molecular genetics and genetic engineering
- 2015** Associate of Life science and Environmental sciences program for talented children, Institute for gifted and talented children and youth, and Regional center for talented youth Belgrade II
- 2014-** Independent research in collaboration with Prof. dr Borivoj Adnadjevic, Chair of dynamics and structure of matter, Faculty of physical chemistry and dr Bojana Banovic, Laboratory for plant molecular biology, Institute of molecular genetics and genetic engineering, University of Belgrade
- 2014** Internship at Clinic for Neurology, Military medical academy, Belgrade, Serbia, supervisor: Colonel Prof. Ranko Raičević, M.D., PhD
- 2014** Internship at 'Vincaonice' science program for the best students 2014, Hydrogen group, Vinca institute of nuclear sciences, University of Belgrade
- 2013** Internship at 'Vincaonice' science program for the best students 2013, Laboratory for materials, Vinca institute of nuclear sciences, University of Belgrade, Belgrade, Serbia

Scientific awards/Scholarships

- 2016** -Stephen W. Kuffler Research Scholarship
-Award for the best student of Municipality Stara Pazova
- 2015** -Fellowship for gifted and talented students awarded by Ministry of Education, Science and Technological Development of the Republic of Serbia
-Scholar and cadet of Privrednik Foundation for talented students
- 2014** -Zoisova fellowship for talented students with achievements awarded by Public Fund for Human Resources Development and Scholarships of the Republic of Slovenia
-Proposal for the Belgrade City Award, category: Youth Creativity in Science
-Commendation of the Crown Prince Alexander Foundation for Culture and Education for achievements in previous education
-15th laureate of Zemunska Grammar school
-Special Grand Prix – Attendant of Generation, Regional Center for Talented Youth Belgrade II
-Commendation of 'Dragica Nikolic Foundation' for competitions achievements
-Silver award – second place at the International Conference of Young Scientists – World Research Paper Contest
-Gold award, National Research Paper Competition for High School Students
-First place, National Talented & Research Paper Contest by Scientific Areas, Environmental sciences

-First prize, prize 'Vinca Institute Contest 2013' for science poster presentation at 'Vinca Institute - Open Door'

2013 BIOS Olympiad, Saint Petersburg

Publications

- 2016 In press, 2nd edition: **F. Boskovic**, Sv(e)t je u našim rukama, Ministry of agriculture and environmental protection (environmental science handbook for schools, 'World is in our hands')
- 2015 **Boskovic F** Influence of Diatomite Microstructure on Adsorption Capacity for Heavy Metals. In: Andrejevic T, editor. Proceedings of Graduation Works Defended in School Year 2013/2014. Belgrade: Andrejevic Endowment; 2015. p. 66-75. ISBN 978-86-525-0202-8
- 2014 **F. Boskovic**, Sv(e)t je u našim rukama, Regionalni centar za talente Beograd II, Beograd, 2014. (environmental science handbook, 'World is in our hands', reviewers: Prof dr. Milutin Ljesevic, Institute for environmental protection, Faculty of Geography, University of Belgrade, Prof dr. Borivoj Adnadjevic, Faculty of Physical Chemistry, University of Belgrade)

Conference attendance

- 2016 -International Geography Olympiad 2016, section for environmental sciences and biogeography, Beijing, China
-Plant and Animal Genome XXIV Conference, San Diego, California
-FISEC conference for an environmental science, Belgrade
-Conference on Fab Lab concept and Digital fabrication, Belgrade
- 2015 -Poster presentation at the Belgrade International Molecular Life Science Conference for Students, Belgrade, Serbia.
-Oral presentation at the Biology Student Congress "Symbiosis", Zlatibor
- 2014 Oral presentation at the First international environmental science conference for students, Novi Sad
-Oral presentation at Student Research Day, Faculty of Biology, University of Belgrade, Belgrade

Scientific resume

My research project is about the adsorption of DNA on zeolite powder and beads of zeolite and organic binders using 6 different ionic forms of zeolite: silver, potassium, calcium, magnesium, nickel ion-exchanged zeolite-4A and zeolite 4A. Research has examined the effects of DNA concentration, temperature, and contact time on adsorption process. Adsorption isotherms, kinetics and thermodynamic parameters are also characterized. Therefore, the first real application of zeolite 4A for DNA isolation from buckwheat was performed.