

BRANKICA FILIPIĆ

Employment Information:

- 2021- Associate Professor, Department of Microbiology and Immunology, University of Belgrade-Faculty of Pharmacy
- 2016-2021. Assistant Professor, Department of Microbiology and Immunology, University of Belgrade-Faculty of Pharmacy
- 2015-2016. Teaching Assistant, Department of Microbiology and Immunology, University of Belgrade-Faculty of Pharmacy
- 2009-2015. Teaching Associate, Department of Microbiology and Immunology, University of Belgrade-Faculty of Pharmacy
- 2008-2009. Teaching Assistant, Department of Microbiology and Immunology, University of Belgrade-Faculty of Pharmacy

Education:

- 2013. Doctor of Philosophy (Ph. D.)-Microbiology, University of Belgrade-Faculty of Pharmacy
- 2016. Specialist in Biological medicines, University of Belgrade-Faculty of Pharmacy
- 2007. Bachelor of Pharmacy, University of Belgrade-Faculty of Pharmacy

Training:

- 1st Preclinical Models Imaging Workshop, COMULIS/COST training school organized by BIOEMTECH Laboratories during October 18-22, 2021, Athens, Greece
- 10/2018-12/2018 Jenner Institut, University of Oxford, Oxford UK „The impact of BCG immunisation on immune response to non-specific pathogens“
- Metagenomics Bioinformatic Course. 17-20 July 2018, European Bioinformatics Institute (EMBL-EBI), Hinxton, UK;
- Bioinformatics for Quantitative Genomics, Summer training school BM1406, 3-6 July, 2018, CNB-CSIS, Madrid, Spain.
- 10/2017-12/2017 University of Exeter, Exeter, UK, FEMS research Grant “Mining metagenome data from Western Balkans glacial lakes sediments”
- 11/2009 – 02/2010. Department of Biological Sciences, University of Calgary, Calgary, Alberta, Canada

Academic awards and distinctions:

- 2017. FEMS Research Grant- “Mining metagenome data from Western Balkans glacial lakes sediments” <https://fems-microbiology.org/wp-content/uploads/2019/04/FEMS-Research-Training-Grants-2017.pdf>
- 2011. Annual Award of Faculty of Pharmacy for research activities

Teaching activities:

Teaching subjects:

- *Microbiology (postgraduate studies)*
- *Critical review of the literature (postgraduate studies)*
- *Biological medicines in tumor treatment (postgraduate studies);*
- *Microbiology (integrated academic studies);*

Practical courses (2008-2021)

- *Microbiology (integrated academic studies);*
- *Selected topics in Microbiology (integrated academic studies);*
- *Laboratory Microbiology (integrated academic studies)*

Brankica Filipić was Committee Member of one specialization (Biological Medicines)

Textbooks:

- *Marina Milenković, Jelena Antić Stanković, Dragana Božić, Brankica Filipić: Praktikum iz mikrobiologije za studente Farmacije. Univerzitet u Beogradu-Farmaceutski fakultet, 2017. ISBN broj: 978-86-6273-036-7.*

Activities within the Faculty:

Activities within wider Academic Community:

- 2021. *Pharmaceutical Association of Serbia*
- 2019. *Short Term Scientific Mission (STSM) coordinator and Core Group Member of COST Action CA16231 „European Network of Vaccine Adjuvants”*
- 2009. *Serbian Society for Microbiology*

Projects:

- 2021. *PI “Vaccines from A to Z”, The Center for the Promotion of Science (CPN), Republic of Serbia*

- 2021. MC member of Cost Action CA17121-Correlated Multimodal Imaging in Life Sciences (COMULIS), <https://www.cost.eu/actions/CA17121/>
- 2021. PI Science Fund of Republic of Serbia-The Serbian Science and Diaspora Collaboration Program: „Understanding large structural variations in bacterial chromosomes to mitigate against antimicrobial resistance“, ChromVarAMR, number: 639010.
- 2017. MC member of COST Action CA 16231; „European Network on Vaccine Adjuvants“; <https://www.cost.eu/actions/CA16231/#tabs|Name:management-committee>
- 2019-2023 Cost Action CA18217 „European Network for Optimization of Veterinary Antimicrobial Treatment“ (ENOVAT), ECI, WG member
- 2016-2019 “Survey for antimicrobials effective against carbapenem-resistant Gram-negative bacteria“, International Centre for Genetic Engineering and Biotechnology (ICGEB), Italy, Collaborative Research Programme (CRP), CRP/SRB15-02; PI Prof. Branko Jovčić, Biološki fakultet, University of Belgrade, Faculty of Biology
- 2016-2018 bilateral project between Republic of Serbia and Montenegro“ Investigation of chemopreventive potential of medicinal and aromatic plants from rural regions of Montenegro“;
- 2014-2015 bilateral project between Republic of Serbia and Republic of Slovenia „Validation of 6-mercaptopurine therapeutic algorithm in pediatric population with acute lymphoblastic leukemia-II ”

Publications:

1. Malešević M, Stanisavljević N, Miljković M, Jovčić B, Filipić B, Studholme DJ, Kojić M. The large plasmidome of *Lactococcus lactis* subsp. *lactis* bv. *diacetylactis* S50 confers its biotechnological properties. *Int J Food Microbiol* 2021 Jan 16;337:108935.
2. Jovčić B, Novović K, Filipić B, Velhner M, Todorović D, Matović K, Rašić Z, Nikolić S, Kiškarolj F, Kojić M. Genomic Characteristics of Colistin-Resistant *Salmonella enterica* subsp. *enterica* Serovar *Infantis* from Poultry Farms in the Republic of Serbia. *Antibiotics (Basel)* 2020 Dec 10;9(12):886.
3. Malešević M, Di Lorenzo F, Filipić B, Stanisavljević N, Novović K, Senerović L, Polović N, Molinaro A, Kojić M, Jovčić B. *Pseudomonas aeruginosa* quorum sensing inhibition by clinical isolate *Delftia tsuruhatensis* 11304: involvement of *N*-octadecanoylhomoserine lactones. *Sci Rep* 9, 16465 (2019)
4. Miljković M, Jovanović S, O'Connor PM, Mirković N, Jovčić B, Filipić B, Dinic M, Studholme DJ, Fira D, Cotter PD, Kojić M. *Brevibacillus laterosporus* strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials. *PLoS One*. 2019 May 10;14(5):e0216773

5. Malešević M, Vasiljević Z, Sovtić A, Filipić B, Novović K, Kojić M, Jovčić B. Virulence traits associated with *Burkholderia cenocepacia* ST856 epidemic strain isolated from cystic fibrosis patients. *Antimicrob Resist Infect Control*. 2017 Jun 6;6:57.
6. Filipic B, Malesevic M, Vasiljevic Z, Lukic J, Novovic K, Kojic M, Jovcic B. Uncovering Differences in Virulence Markers Associated with *Achromobacter* Species of CF and Non-CF Origin. *Front Cell Infect Microbiol*. 2017 May 29;7:224.
7. Filipic B, Novovic K, Studholme DJ, Malesevic M, Mirkovic N, Kojic M, Jovcic B. Shotgun metagenomics reveals differences in antibiotic resistance genes among bacterial communities in Western Balkans glacial lakes sediments. *J Water Health* 2020 Jun;18(3):383-397
8. Novovic KD., Malesevic MJ., Filipic BV, Mirkovic LN, Miljkovic SM, Kojic OM, Jovčić UB. *PsrA* Regulator Connects Cell Physiology and Class 1 Integron Integrase Gene Expression Through the Regulation of *lexA* Gene Expression in *Pseudomonas* spp. *Curr Microbiol* 2019 76:320–328
9. Novovic K, Mihajlovic S, Vasiljevic Z, Filipic B, Begovic J, Jovcic B. Carbapenem-resistant *Acinetobacter baumannii* from Serbia: revision of *CarO* classification. *Plos One*. 2015 Mar;10(3):e0122793. doi: 10.1371/journal.pone.0122793
10. Filipic B, Nikolic K, Filipic S, Jovcic B, Agbaba D, Antic Stankovic J, Kojic M, Golic N. Identifying the *CmbT* substrates specificity by using a quantitative structure-activity relationship (QSAR) study. *J Taiwan Inst Chem Eng*. 2014 May;45(3):764-71.