

BRANKICA FILIPIĆ

Employment Information:

- 2009- Teaching assistant, Department of Microbiology and Immunology, University of Belgrade-Faculty of Pharmacy
- 2008-2009 Teaching associate, Department of Microbiology and Immunology, University of Belgrade-Faculty of Pharmacy

Education:

- 2013 *PhD*
PhD thesis: “Functional characterization of the CmbT transporter responsible for multidrug resistance on structurally different substrates of the strain *Lactococcus lactis* subsp. *cremoris* MG1363”, University of Belgrade-Faculty of Pharmacy
- 2007 *BS*
University of Belgrade-Faculty of Pharmacy
- 2001 Gymnasium

Training:

- November 2009-February 2010, guest researcher at the Department of Biological Sciences, University of Calgary, Alberta, Canada

Academic awards and distinctions:

- 2011 The Annual award of Faculty of Pharmacy for scientific work

Teaching activities:

- Integrated Academic Studies (Master of Pharmacy and Master of Pharmacy – Medical Biochemist study programs): Microbiology, Laboratory Microbiology and Selected Chapters of Microbiology

Activities within wider Academic Community:

- 2009- Member of the Serbian Society for Microbiology

Projects:

- 2011-2014 Genes and molecular mechanisms promoting probiotic activity of lactic acid bacteria from the Western Balkans (funded by Ministry of Education, Science and Technological Development of Republic of Serbia, No.:173019)

Publications:

- B. Filipic, K. Nikolic, S. Filipic, B. Jovic, D. Agbaba, J. Antic Stankovic, M. Kojic, N. Golic (2014): Identifying the CmbT substrates specificity by using a quantitative structure-activity relationship (QSAR) study. *Journal of the Taiwan Institute of Chemical Engineers*, 45(3): 764-771.
- B. Jovic, Z. Lepsanovic, J. Begovic, B. Filipic and M. Kojic (2014): Two copies of bla NDM-1 gene are present in NDM-1 producing *Pseudomonas aeruginosa* isolates from Serbia. *Antonie Van Leeuwenhoek*, 105(3): 613-618.
- B. Filipic, N. Golic, B. Jovic, M. Tolinacki, D. C. Bay, R. J. Turner, J. Antic-Stankovic, M. Kojic and L. Topisirovic (2013): The *cmbT* gene encodes a novel major facilitator multidrug resistance transporter in *Lactococcus lactis*. *Research in Microbiology*, 164(1): 46-54.
- B. Filipic, B. Jovic, G. Uzelac, M. Miljkovic, J. Antic-Stankovic, L. Topisirovic and N. Golic (2013): Over-expressed CmbT multidrug resistance transporter improves the fitness of *Lactococcus lactis*. *Genetika*, 45(1): 197-206.
- G. Veinovic, B. Filipic and J. Stankovic (2013): Isolation, cultivation, and in vitro susceptibility testing of *Borrelia burgdorferi* sensu lato: a review. *Archives of Biological Sciences*, 65(2): 533-547.
- J. Lukic, I. Strahinic, B. Jovic, B. Filipic, L. Topisirovic, M. Kojic and J. Begovic (2012): Different roles of lactococcal aggregation factor and mucin binding protein in adhesion to gastrointestinal mucosa. *Applied and environmental microbiology*, 78(22): 7993-8000.