

Dijana Topalović

Employment Information:

- 2020 – teaching assistant with PhD
Department of Pathobiology, University of Belgrade - Faculty of Pharmacy
- 2012 - 2020 teaching assistant
Department of Physiology, University of Belgrade - Faculty of Pharmacy
- 2007 - 2008 teaching associate
Department of Ecology and Geography of Plants, University of Belgrade - Faculty of Biology
- 2006 - 2012 teaching associate
Department of Physiology, Department of Botany, University of Belgrade - Faculty of Pharmacy
- 2004 - 2006 part-time project associate
Department of Ecology and Geography of Plants, University of Belgrade - Faculty of Biology

Education:

- 2019 Doctor of Biological Sciences, program Biology, module Genetics
University of Belgrade - Faculty of Biology
- 2004 graduate biologist (master equivalent)
University of Belgrade - Faculty of Biology

Training:

- 2019. Workshop “COMET workshop - Basic Comet Assay Techniques”, organized by GENuB & H and hCOMET (COST Action, CA15132), University of Sarajevo - Institute for Genetic Engineering and Biotechnology, Sarajevo.
- 2019 Workshop "What are the most common challenges in working with students and how can they be overcome?", Organized by the Center for Continuing Education, University of Belgrade, Rectorate of the University of Belgrade, Belgrade.
- 2017 Research stay in the Laboratory for Immunology of Rheumatism, University Clinical Center in Ljubljana, under the Joint Research Project within the Executive Program of Scientific and Technological Cooperation granted by the Republic of Slovenia and the Republic of Serbia
- 2016 Research stay in the Laboratory for Immunology of Rheumatism, University Medical Center in Ljubljana, under the Joint Research Project within the

Executive Program of Scientific and Technological Cooperation granted by the Republic of Slovenia and the Republic of Serbia

- 2015 Workshop "Designing a doctoral dissertation", organized by the University of Belgrade, University Library "Svetozar Markovic", Belgrade
- 2012 Workshop "How to publish a scientific paper in an international journal (Publishing in international journals)", Dr. Milka Kostić (Senior Editor, Cell Press) organized by the University of Belgrade, Faculty of Chemistry, Belgrade
- 2012. "Education for the use of leading world journals and databases in electronic form on the academic network" organized by the University of Belgrade, University Library "Svetozar Markovic", Belgrade
- 2012. 6th Golden Helix Pharmacogenomics Day, Certificate of Attendance, Belgrade
- 2006. Natura 2000, Training Workshop Certificate, part of the "Development of an Ecological Network along the Sava River" project, IUCN SEE and Wageningen International, Belgrade
- 2003. Training for leaders of international work camps, Young Researchers of Serbia, Rajac

Academic awards and distinctions:

- 2019 hCOMET travel grant, COST Action 15132, „COMET workshop - Basic comet assay techniques“, Sarajevo, Bosnia and Herzegovina.
- 2018 ITC Conference Grant, COST Action 15132, participation in ICOETox 2018, Porto, Portugal.

Teaching activities:

Participates in practical classes at mandatory course in Biology with Human Genetics and in the elective course Fundamentals of Molecular Genetics.

Member of the committee for the defense of 13 graduate and final theses.

Co-mentor of 5 student research work within the activities of the Center for Scientific Research of Students of the Faculty of Pharmacy in Belgrade.

Activities within the Faculty:

- 2021 Member of the Inventory and Liabilities Inventory Commission - Inventory Commission.

- 2021 Member of the Working Group for Rationalization of Infrastructure for Practical Teaching.
- 2019- Member of the team for compiling a biology test for the entrance exam.
- 2019- Lecturer in preparatory classes in biology.
- 2017 Member of the Commission for the inventory of assets and liabilities - Commission for the inventory of real estate and equipment.
- 2016 Member of the Commission for the inventory of assets and liabilities - Commission for the inventory of real estate and equipment.
- 2012- Member of the Council of the first year
- 2007/08 Member of the working group for processing the results of the survey of student evaluation of pedagogical work of teachers and associates.

Activities within wider Academic Community:

Support for extracurricular academic activities of students at the Faculty of Pharmacy

- 2018. Eleventh Student Mini-Congress, Center for Scientific Research of Students of the Faculty of Pharmacy, Belgrade - 1 paper
- 2017. Tenth Student Mini-Congress, Center for Scientific Research Work of Students of the Faculty of Pharmacy, Belgrade - 1 paper
- 2016 Ninth Student Mini-Congress, Center for Scientific Research of Students of the Faculty of Pharmacy, Belgrade - 3 papers

Reviewer in journals of category M20

Environmental Engineering and Management Journal, BMC complementary medicine and therapies, Genetics, Journal of Food Process Engineering, Journal of Medicinal Plant Research

Projects:

- 2021 "Examination of antigenotoxic activity of Biodihydroquercetin in the presence of hydrogen peroxide on human blood cells" innovation voucher, Center for Biological Research, University of Belgrade - Faculty of Pharmacy, Fund for Innovation of the Republic of Serbia.
- 2018-2022 "Cancer nanomedicine - from the bench to the bedside." European Cooperation in Science and Technology (COST): action No. CA17140.

- 2017-2021 “Stem cells of marine / aquatic invertebrates: from basic research to innovative applications.” European Cooperation in Science and Technology (COST): action No. CA16203.
- 2016-2020 “The comet assay as a human biomonitoring tool (hCOMET).” European Cooperation in Science and Technology (COST): action No. CA15132.
- 2016-2017 “Protective effects of olive leaf extract in the development of atherosclerosis.” Joint Research Project within the Executive Program of Scientific and Technological Cooperation granted by the Republic of Slovenia and the Republic of Serbia.
- 2013- "Cell cycle aberrations and the impact of oxidative stress on neurodegenerative processes and malignant cell transformation", Faculty of Pharmacy, University of Belgrade, Ministry of Education, Science and Technological Development of the Republic of Serbia.
- 2005-2006 Establishing Emerald network in Serbia and Montenegro - Emerald network in Serbia. - COUNCIL OF EUROPE - Convention on the Conservation of European Wildlife and Natural Habitats - Ecological Networks, Ministry of Environmental Protection and Physical Planning, Podgorica, Montenegro.
- 2003-2005 “Harmonization of National Nomenclature in Habitat Classification with International Community Standards”, Institute of Botany and Botanical Garden Jevremovac, Faculty of Biology, University of Belgrade, Ministry of Science and Environmental Protection of the Republic of Serbia.
- 2003-2004 “Taxonomic, ecological and horological research of local endemics of Kopaonik” - Pilot project: Taxonomic, ecological and horological research of *Sempervivum kopaonikense* Pančić, *Cardamine pancicii* Hayek and *Encalypta serbica* Katić (Phase I) and *Viola kopaonikensis* marme Zahn (Phase II), as a basis for the development of specific action programs for their protection. - Ministry of Science and Environmental Protection of the Republic of Serbia, Kopaonik National Park.

Publications:

A total of 22 published scientific papers, 16 in leading international and international journals (M21a - 2 papers, M21 - 6 papers, M22 - 4 papers and M23 - 4 papers), 4 in domestic journals, 1 monographic study/chapter in book M13 and 1 monographic bibliographic publication or monographic study M43. 22 papers printed in the excerpt, 16 at conferences of international importance and 6 at conferences of national importance.

- Čabarkapa-Pirković, A., Živković, L., Dekanski, D., **Topalović, D.**, Spremo-Potparević, B. Olive leaf, DNA damage and chelation therapy, in (Eds): Preedy, V.R., Watson R.R., *Olives and Olive Oil in Health and Disease Prevention*

(Second Edition), ISBN 9780128195284, Academic Press, 2021, Pages 457-469.

M13

- Mićović, T., **Topalović, D.**, Živković, L., Spremo-Potparević, B., Jakovljević, V., Matić, S., Popović, S., Baskić, D., Stešević, D., Samardžić, S., Stojanović, D., Maksimović, Z. (2021): Antioxidant, Antigenotoxic and Cytotoxic Activity of Essential Oils and Methanol Extracts of *Hyssopus officinalis* L. Subsp. *aristatus* (Godr.) Nyman (Lamiaceae). *Plants*, 10(4), 711. **M21**
- **Topalović, D.**, Dekanski, D., Spremo-Potparević, B., Pirković, A., Borozan, S., Bajić, V., Stojanović, D., Giampieri, F., Gasparrini, M., Živković, L. (2019): Dry olive leaf extract attenuates DNA damage induced by estradiol and diethylstilbestrol in human peripheral blood cells in vitro. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, 845:402993. **M22**
- Burja, B., Kuret, T., Janko, T., **Topalović, D.**, Živković, L., Mrak-Poljšak, K., Spremo-Potparević, B., Žigon, P., Distler, O., Cucnik, S., Sodin-Semrl, S., Lakota, K., Frank-Bertoncelj, M. (2019): Olive Leaf Extract Attenuates Inflammatory Activation and DNA Damage in Human Arterial Endothelial Cells. *Front Cardiovasc Med*, 6:56. **M22**
- **Topalović, D.**, Dekanski, D., Spremo-Potparević, B., Djelić, N., Bajić, V., Živković, L. (2018): Assessment of adrenaline-induced DNA damage in whole blood cells with the comet assay. *Arh Hig Rada Toksikol*, 69(4), 304-308. **M22**
- Nikolic, I., Jasmin Lunter, D., Randjelovic, D., Zugic, A., Tadic, V., Markovic, B., Cekic, N., Zivkovic, L., **Topalovic, D.**, Spremo-Potparevic, B., Daniels, R., Savic, S. (2018): Curcumin-loaded low-energy nanoemulsions as a prototype of multifunctional vehicles for different administration routes: physicochemical and in vitro peculiarities important for dermal application. *International Journal of Pharmaceutics*, 550(1-2), 333-346. **M21**
- Dekanski, D., Spremo-Potparević, B., Bajić, V., Živković, L., **Topalović, D.**, Sredojević, D.N., Lazić, V., Nedeljković, J.M. (2018): Acute toxicity study in mice of orally administrated TiO₂ nanoparticles functionalized with caffeic acid. *Food and Chemical Toxicology*, 115, 42-48. **M21a**
- Živković, L., Borozan, S., Čabarkapa, A., **Topalović, D.**, Ciptasari, U., Bajić, V., Spremo-Potparević, B. (2017): Antigenotoxic Properties of *Agaricus blazei* against Hydrogen Peroxide in Human Peripheral Blood Cells. *Oxidative Medicine and Cellular Longevity*, 2017, Article ID 8759764, 9 pages. **M21**
- Cabarkapa, A., Dekanski, D., Zivkovic, L., Milanovic-Cabarkapa, M., Bajic, V., **Topalovic, D.**, Giampieri, F., Gasparrini, M., Battino, M., Spremo-Potparevic, B. (2017): Unexpected effect of dry olive leaf extract on the level of DNA damage in lymphocytes of lead intoxicated workers, before and after CaNa₂EDTA chelation therapy. *Food and Chemical Toxicology*, 106, 616-623. **M21a**

- **Žukovec Topalović, D.**, Živković, L., Čabarkapa, A., Djelić, N., Bajić, V., Dekanski, D., Spremo-Potparević, B. (2015): Dry olive leaf extract counteracts L-thyroxine-induced genotoxicity in human peripheral blood leukocytes in vitro. *Oxidative Medicine and Cellular Longevity*, Article ID 762192, 8 pages. **M21**