NAME Lada Živković

Employment Information:

- *2021- Full Professor of Biology and Human Genetics at the University of Belgrade, Faculty of Pharmacy*
- *2016-2021 Associate Professor of Biology and Human Genetics at the University of Belgrade, Faculty of Pharmacy*
- *2011-2016 Assistant Professor of Biology and Human Genetics at the University of Belgrade, Faculty of Pharmacy*
- *2005-2011 Teaching and Research Assistant of Biology and Human Genetics at the University of Belgrade, Faculty of Pharmacy*
- *2000-2005 Junior Teaching and Research Assistant of Biology and Human Genetics at the University of Belgrade, Faculty of Pharmacy*

Education:

- *2010 D.Sc. (Ph.D.) (Genetics), University of Belgrade, Faculty of Biology, Belgrade*
- *2004 M. Sc. (Genetics and Molecular Biology), University of Belgrade, Faculty of Biology, Belgrade*
- *1996 B.Sc. - Magna cum laude (Biology), University of Belgrade, Faculty of Biology, Molecular Biology and Physiology*
- *1989 Mathematical Grammar School"Velko Vlahović"*

Training:

- *2019 Training course "The use of non-invasive sampled matrixes in the comet assay as well as different types of white blood cells" University of Latvia, Riga, Latvia*
- *2019 Education for improving the competencies of teachers and associates, improving the appropriate relationship with students and the rules of business communication*
- *2019 Education"Improving the Quality of Education by Introducing Examinations at the End of Secondary Education"*
- *1998 Training course „Molecular and Biotechnological Aspect of Sexual Reproduction in Higher Plants" (UNESCO) Martonvasar, Hungary*
- *1997 Training course „Plant Biotechnology and Application" The Mediterranean Agronomic Institute of Chania (MAICh), Chania, Greece*

Academic awards and distinctions:

- *2017 (two weeks) Short Term Scientific Mission (STSM) grant COST Action CA15132- hCOMET, Institute of Basic Medical Sciences, University of Oslo, Norway*
- *2014 (six months) Fulbright Visiting Scolar progaram, Illinois Institute of Technology (IIT), Chicago IL, SAD*
- *1995 (two months) The Training and Work Experience Scheme)Horticulture Research Institute East Malling, Kent, UK*

Teaching activities:

- Integrated academic studies
- *Biology and Human Genetics (Study program Pharmacy and Study program Pharmacy - Medical Biochemistry)*
- *Basics of Molecular Genetics (Study program Pharmacy)*
- *Fundamentals of pharmaceutical biotechnology (Study program Pharmacy)*
- *Specialist academic studies-Biological medicines*
- *Biotechnological medicine*
- Doctoral academic studies

- Mentoring and/or membership in Committees for doctoral theses and final works
- *Mentoring in Committees for doctoral theses-one*
- *Mentoring in Committees for final work-nine*
- *Membership in Committees for doctoral theses-four*
- *Membership in Committees for final works-four*
- *Membership in Committees for master work-one*

Textbooks:

Lada Živković (2021) Selected chapters in molecular genetics. University of Belgrde-Faculty of Pharmacy (Serbian language): 978-86-6273-073-2

Biljana Potparević, Lada Živković (2011) Biology and Human Genetics-Practicum. University of Belgrde-Faculty of Pharmacy (Serbian language). Second edition 2014. ISBN: 978-86-80263-80-9

Activities within the Faculty:

- *One of the professors responsible for preparation of Biology questions at the entrance exam*
- *Membership in the Library Committee*
- *Membership in the Committees for chemicals and biological material*
- *Membership in the Committee for Inventory assets*

Activities within wider Academic Community:

- *Scientific societies*
- Serbian Genetical Society
- *European Environmental Mutagen and Genomics Society*
- *Journal reviewing*
- *PLOS ONE*
- *Food and Chemical Toxicology*
- *Toxicilogy in Vitro*
- *Molecular Biology Reports*
- *PeerJ*
- *Drug and Chemical Toxicology*
- *Free Radical Biology and Medicine*
- *Letters in Drug Design and Discovery (LDDD)*
- *Other activities*
- *Member of the team for preparation of test questions in Biology at the state-level High School exit exam (State Matura)*

- Projects:

- *2021 "Evaluation of antigenotoxic activity of Biodihydroquercetin (Taxifolin) in the presence of hydrogen peroxide on human peripheral lymphocytes in vitro" leader, the Serbian Innovation Fund grantas an Innovation voucher No 855 for use by "Azeco"Belgrade*
- *2019- Stem cells of marine/aquatic invertebrates: from basic research to innovative applications CA16203, COST akcija MS substitute*
- *2018- Cancer nanomedicine - from the bench to the bedside, CA17140 COST akcija*
- *2016-2020 The comet assay as a human biomonitoring tool (hCOMET), CA15132 COST akcija MC substitute*

- *2016-2018 "Anti-atherosclerotic effects of dry olive life extract" Leader of the Scientific project bilateral cooperation between R Serbia and R Slovenia*
- *2013-2015 "Cell cycle aberrations and oxidative stress in age related neuro-degenerative diseases: The role of food antioxidants" Researcher in Scientific project bilateral cooperation between Italy and Serbia*
- *2011-2019 "Aberrations of the cell cycle and influence of the oxidative stress on neurodegenerative processes and malignant transformation of the cell" Researcher in the project funded by Serbian Ministry for Science and Education OI 173034,*
- *2006-2010 "Evaluation of the effects of hormones and cytostatics using cytogenetic analysis and the Comet assay")Researcher in the project funded by Serbian Ministry of Science and Environmental Protection 143018B*
- *2005-2006 "Influence of microcystines, oestrogens and thyroid hormones on cytogenetic changes and DNA damage in cultured human lymphocytes and HepG2 cells" Researcher in Scientific project bilateral cooperation between Slovenia and Serbia*
- *2002-2005"Evaluation of cytogenetic effects of some hormones, cytostatics and*
- *antibiotics") Researcher in the project funded by Serbian Ministry of Science, Technology and Development 10-1873*

Publications:

- Zivkovic L, Bajic V, Topalovic D, Bruic M, Spremo-Potparevic B. Antigenotoxic Effects of Biochaga and Dihydroquercetin (Taxifolin) on H2O2-Induced DNA Damage in Human Whole Blood Cells. Oxidative Medicine and Cellular Longevity, (2019), vol. 2019
- Zivkovic L, Bajic V, Dekanski D, Cabarkapa-Pirkovic A, Giampieri F, Gasparrini M, Mazzoni L, Spremo-Potparevic B. Manuka honey attenuates oxidative damage induced by H2O2 in human whole blood in vitro. Food and Chemical Toxicology, (2018), vol. 119 br. , str. 61-65
- Zivkovic L, Borozan S, Cabarkapa A, Topalovic D, Ciptasari U, Bajic V, Spremo-Potparevic B. Antigenotoxic Properties of Agaricus blazei against Hydrogen Peroxide in Human Peripheral Blood Cells. Oxidative Medicine and Cellular Longevity, (2017), vol. 2017
- Zivkovic L, Akar B, Roux B, Spremo-Potparevic B, Bajic V, Brey E. Investigation of DNA damage in cells exposed to poly (lactic-co-glycolic acid) microspheres. Journal of Biomedical Materials Research Part A, (2017), vol. 105 br. 1, str. 284-291

- Gandhi JK, **Zivkovic L**, Fisher JP, Yoder MC, Brey EM. Enhanced Viability of Endothelial Colony Forming Cells in Fibrin Microbeads for Sensor Vascularization.Sensors (Basel). 2015;18;15(9):23886-902
- Spremo-Potparevic B, Bajic V, Perry G, **Zivkovic L**. Alterations of the X Chromosome in Lymphocytes of Alzheimer's Disease Patients. Current Alzheimer Research, 2015;12(10):990-6
- **Zivković L**, Spremo-Potparević B, Siedlak SL, Perry G, Plećaš-Solarović B, Milićević Z, Bajić VP. DNA Damage in Alzheimer Disease Lymphocytes and Its Relation to Premature Centromere Division.Neurodegener Dis. 2013;12(3):156-63. I
- **Zivković L**, Spremo-Potparević B, Plecas-Solarović B, Djelić N, Ocić G, Smiljković P, Siedlak SL, Smith MA, Bajić V. Premature centromere division of metaphase chromosomes in peripheral blood lymphocytes of Alzheimer's disease patients: relation to gender and age. J Gerontol A Biol Sci Med Sci. 2010; 65(12):1269-74. IF 3.988
- Spremo-Potparević B, **Zivković L**, Djelić N, Plećas-Solarović B, Smith MA, Bajić V. Premature centromere division of the X chromosome in neurons in Alzheimer'sdisease. J Neurochem. 2008;106(5):2218-23.
- **Zivković L**, Spremo-Potparević B, Djelić N, Bajić V. (2006) Analysis of prematurecentromere division (PCD) of the chromosome 18 in peripheral blood lymphocytes in Alzheimer disease patients. Mech Ageing Dev. 127(12):892-6.