

## CURRICULUM VITAE

Email: [valery@ptt.rs](mailto:valery@ptt.rs)  
[jasminka.mrdjanovic@gmail.com](mailto:jasminka.mrdjanovic@gmail.com)

Contact phone: + 381-21-480-55-88

Fax:+381-21-661-37-41



*Name:* Jasminka Mrdjanovic

*Date and place of birth:* 20<sup>th</sup> Februar 1971, Novi Sad, Serbia

*Education:* Ph.D. in Biology, Faculty of Sciences, University of Belgrade, 2012;  
Specialist in Medical Genetics, Faculty of Medicine, University of Novi Sad, 2009;  
Master of Science: Faculty of Biology, University of Belgrade, 2007.  
BSc: Faculty of Sciences, Biology, University of Novi Sad, 1997.

*Professional background:* 1997- : Oncology Institute of Vojvodina,

*Current Status:* Assistant Professor at the Faculty of Sciences, Department of Biology, University of Novi Sad

*Participation in projects:* 2000 – 2005: national grant “Protection of antitumor therapy and molecular diagnosis of malignant alteration”,  
2005 – 2008: national grant “ Biotransformed functional beverages made from medicinal herbs of *fam. Lamiaceae* “,  
2007 – 2010: national grant “ Synthesis of bioactive fullerene molecules and nano medical research ”,  
2011-2015: national grant “Functional, Functionalized and Advanced Nanomaterias””,  
2011-2015: national grant “Molecular, biochemical and immunological analysis in tumours diagnosis”

*Publications:* 18 scientific articles (12 in international scientific journals with Impact Factor), chapter in one national monography, chapter in one scientific book,

*Technical skills:*

- Micronucleus test on bone marow, peripheral blood lymphocytes, cell lines (laboratory performance, analysis, interpretation and evaluation of results),
- Chromosomal aberrations test on peripheral blood lymphocytes and cell lines (laboratory performance, analysis, interpretation and evaluation of results),
- Sister chromatide exchanges test on peripheral blood lymphocytes, cell lines (laboratory performance, analysis, interpretation and evaluation of results),
- Comet assay on peripheral blood lymphocytes, cell lines (laboratory performance, analysis, interpretation and evaluation of results),
- Karyotyping on peripheral blood lymphocytes and bone marow (laboratory performance, analysis, interpretation and evaluation of results),
- DNA Isolation from formalin fixed paraffin embedded tissues,
- Cytotoxicity tests: sulphorodamine B (SRB) test and Dye exclusion (DET) on cell lines
- Maintenance of cell lines

*Affiliations:* Pedagogical work: Invited lectures on Department of Biology, University of Novi Sad Department of Chemistry on Faculty of Sciences,

*Mentorship:* Contribution to the development of one doctoral thesis, one thesis and mentoring in one student essay.

*Other:* married, two male child

## References:

### Chapter in scientific books:

1. Aleksandar Djordjevic, Rade Injac, Danica Jović, **Jasminka Mrđanović**, Mariana Seke, Bioimpact of Carbon Nanomaterials in: Ashutosh Tiwari and S.K. Shukla (eds.) Advanced Carbon Materials and Technology, WILEY-Scrivener Publishing, USA 2014 Chapter 6 ISBN: 978-1-118-68623-2, Scrivener Publishing LL, pp. 193–272.
2. Bogdanović G, Jakimov D, **Mrđanović J**, Šolajić S. Biomarkers of genotoxicity in persons occupationally exposed to petroleum and petroleum products: Pejin D, Popović S. Life with carcinogens. *Ortomedics*. 2010:39-73.

### Original research papers:

1. **Mrđanović J**, Šolajić S., Dimitrijević S., Đan I., Nikolić I. and Jurišić V., Assessment of micronuclei and sister chromatid exchange in the petroleum industry workers in province of Vojvodina, Republic of Serbia, ***Food and Chemical Toxicology* 69 (2014) 63–68.**
2. V. Bogdanović, S. Spasić, L. Rutonjski, M. Đan, **J. Mrđanović**, Dose-dependent survival of K562 cells subjected to irradiation, time course of endogenous enzyme activity and protective effect of applied superoxide-dismutase (SOD), ***JBUON*, 2014.**
3. Branislava Srdjenovic, **Jasminka Mrđjanovic**, Aleksandra Jovanovic Galovic, Nebojsa Kladar, Biljana Božin, Vladimir Jurisic, Gordana Bogdanovic, Effect of ELF-EMF on antioxidant status and micronuclei in K562 cells and normal lymphocytes, ***Central European Journal of Biology*, 2014, pp: 931-940.**
4. Četojević-Simin D, Velićanski A, Cvetković D, Markov S, **Mrđanović J**, Bogdanović V and Šolajić S. (2010). Bioactivity of Lemon Balm Kombucha. ***Food and Bioprocess Technology*, 5:1756–1765.**
5. Jasmina Obradovic, Vladimir Jurisic, Natasa Tomic, **Jasminka Mrđjanovic**, Branislav Perin, Sonja Pavlovic, and Natasa Djordjevic Optimization of PCR Conditions for Amplification of GC-Rich EGFR Promoter Sequence, ***Journal of Clinical Laboratory Analysis* 27: 487–493 (2013)**
6. **Mrđanović J**, Šolajić S, Bogdanović V, Djordjevic A, Bogdanović G, Injac R, Rakočević Z, (2012). Effects of Fullerenol Nano Particles C60(OH)24 on Micronuclei and Chromosomal Aberrations' Frequency on Peripheral Blood Lymphocytes. ***Digest Journal of Nanomaterials and Biostructures*. 7: 673 - 686.**
7. **Mrđanović J**, Jungić S, Šolajić S, Bogdanović V, Jurisic V, (2012). Effects of orally administered antioxidants on micronuclei and sister chromatid exchange frequency in workers professionally exposed to antineoplastic agents Original Research Article *Food and Chemical Toxicology*, 50:2937-44.

8. **Mrđjanovic J**, Solajic S, Bogdanovic V, V Stankov K, Bogdanovic G, Djordjevic A, N.(2009). Effects of fullereneol C-60(OH)<sub>24</sub> on the frequency of micronuclei and chromosome aberrations in CHO-K1 cells, Mutation Research-Genetic Toxicology and Environmental Mutagenesis. 680:25-30.
9. Bogdanović G, Jurišić V, Kraguljac N, **Mrđanović J**, Jakimov D, Krtolica K et al. (2007). Characteristics of novel myeloid precursor cell line, pc-mds, established from a bone marrow of the patient with therapy-related myelodysplastic syndrome, Leukemia Research, 31:1105-1113.
10. Jurišić V, Bogdanović G, Srdić T, Jakimov D, **Mrđanović J**, Baltić M, Balltić V.V. (2004). Modulation of tnf- $\alpha$  activity in tumor pc cells using anti-cd45 and anti-cd95 monoclonal antibodies. Cancer Letters. 214:55-61.
11. Bogdanović V, Slavić M, **Mrđanović J**, Šolajić S, Đorđević A. (2009). Aktivnost superoksid-dizmutaze u animalnoj ćelijskoj kulturi CHO-K1 nakon tretmana fulerenolom i mitomicinom. Hemijska industrija. 63:143-149.
12. **Mrđanović J**, Jakimov D, Turšijan S, Bogdanović G. Evaluation of sister chromatide exchanges , micronuclei, and proliferate index in hospital workers chronically exposed to ionizing radiation. (2005). Journal of BUON.10:99-105.
13. Jakimov D, Bogdanović G, Baltić M, Turšijan S, Aleksić L, Đorđević A, **Mrđanović J**, Vojinović-Miloradov M. Water -soluble fullerene C60(OH)<sub>24</sub> modulates growth and proliferation of K562 human erythroleukemia cell line. 2nd International Conference of the World Scientific and Engineering Academy and Society (WSEAS) on Nanoelectronic and Electromagnetic Compatibility (ICONE 2002), Skiathos Island, Greece September 25-28 2002. Book of abstract: Mastorakis EN, Kluev VV, Koruga Dj.Eds. Advances in simulation, systems theory and systems engineering. WSEAS Press, <http://www.wseas.org> 2002:117-22.
14. Jakimov D, Četojević- Simin D, Kojić V, **Mrđanović J**: Peptide nucleic acid (PNA) - more than anyone could imagine at the first sight. Archive of Oncology 2000; 8 (1): 11-4.
15. Četojević Simin D, Jakimov D, **Mrđanović J**, Bogdanović V, Kojić V, Andrijević Lj, Bogdanović G. Peptide nucleic acid - sequence specific recognition in cancer diagnostics and gene therapy Archive of Oncology 2001; 9(1):33-7.
16. **Mrđanović J**, Bogdanović G., Cvetković D., Velićanski D and Četojević-Simin D. The frequency of sister chromatide exchange and micronuclei in evaluation of cytogenetic activity of Kombucha on human peripheral blood lymphocytes. Archive of Oncology 2007; 15 (3-4):85-8.
17. Bogdanović V, Slavica Šolajić S., Djordjević M, Nikolić A, **Mrđanović J**, Jakimov D Trajković V , Bogdanović G, Ivković-Kapicl T, and Dugandžija T. The level of lactate dehydrogenase and superoxide dismutase in the circulation of patients with breast carcinoma Arhive Oncology 2009 : 16. 3-4.