

Curriculum Vitae

Marina Z. Radović Jakovljević

Date of birth: 11.03.1988.

Address University of Kragujevac, Faculty of Science, Department of Biology and Ecology, Radoja Domanovića 12, 34000 Kragujevac, Serbia

Contact +381 34 336 223 ext .261
marina.jakovljevic@pmf.kg.ac.rs

Education

- **BSc studies in Biology:** University of Kragujevac, Faculty of Science, Department of Biology and Ecology, 2007.-2010.
- **MSc studies in Biology:** University of Kragujevac, Faculty of Science, Department of Biology and Ecology, 2010.-2012.
- **PhD studies in Biology:** University of Kragujevac, Faculty of Science, Department of Biology and Ecology, 2024.

Thesis title:

„Investigation of the genotoxic and cytotoxic effects of Artemisia vulgaris and Artemisia alba species on human lymphocytes in vitro and SW-480 colon cancer cell line“

Professional Career

- Junior Research Assistant: Department of Biology and Ecology, Faculty of Science, University of Kragujevac, Serbia, 2013.-2016
- Research Assistant: Department of Biology and Ecology, Faculty of Science, University of Kragujevac, Serbia, 2016.-2024.
- Research Associate: Department of Biology and Ecology, Faculty of Science, University of Kragujevac, Serbia, 2024.-currently.

Scientific field Biology

Research interests: The investigation of the genotoxic and antimutagenic potential of bioactive substances on the genetic material of human lymphocytes.

Research Projects: (2013-2019) „Preclinical testing of bioactive substances“, 41010 funded by the Ministry of Education, Science and Technological Development of Republic of Serbia.

Membership in scientific societies: Genetic Society of Serbia
Biological Society of Serbia

Articles published in journals with impact factor (M20 category):

Mihaljević O, Živančević-Simonović S, Milošević-Djordjević O, Djurdjević P, Jovanović D, Todorović Ž, Grujičić D, **Radović Jakovljević M**, Tubić J, Marković A, Paunović M, Stanojević-Pirković M, Marković S (2018). Apoptosis and genome instability in children with autoimmune diseases. *Mutagenesis*, 33, (5-6) 351-357. M22; IF₂₀₁₈: 2,898; DOI: [10.1093/mutage/gy037](https://doi.org/10.1093/mutage/gy037); ISSN: 0267-8357

Radović Jakovljević M, Grujičić D, Tubić Vukajlović J, Marković A, Milutinović M, Stanković M, Vuković N, Vukić M, Milošević-Djordjević O (2020). *In vitro* study of genotoxic and cytotoxic activities of methanol extracts of *Artemisia vulgaris* L. and *Artemisia alba* Turra. *South African Journal of Botany*, 132, 117-126. M22; IF₂₀₂₀: 2,315; DOI: [10.1016/j.sajb.2020.04.016](https://doi.org/10.1016/j.sajb.2020.04.016); ISSN: 0254-6299

Grujičić D, Marković A, Tubić Vukajlović J, Stanković M, **Radović Jakovljević M**, Ćirić A, Djurdjević K, Planojević N, Milutinović M, Milošević-Djordjević O (2020). Genotoxic and cytotoxic properties of two medical plants (*Teucrium arduini* L. and *Teucrium flavum* L.) in relation to their polyphenolic contents. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*, 852, 503168. M22; IF₂₀₂₀: 2,873; DOI: [10.1016/j.mrgentox.2020.503168](https://doi.org/10.1016/j.mrgentox.2020.503168); ISSN 1383-5718

Radović Jakovljević M, Stanković M, Vuković N, Vukić M, Grujičić D, Milošević-Djordjević O (2022). Comparative study of the genotoxic activity of *Artemisia vulgaris* L. and *Artemisia alba* Turra extracts *in vitro*. *Drug and Chemical Toxicology*, 45 (4), 1915-1922. M22; IF₂₀₂₀: 3,356; DOI: [10.1080/01480545.2021.2007025](https://doi.org/10.1080/01480545.2021.2007025); ISSN: 0148-0545

Marković A, Tubić Vukajlović J, Grujičić D, **Radović Jakovljević M**, Stanković M, Djurdjević K, Djelić N, Radaković M, Milošević-Djordjević O (2022). Methanol extracts of *Teucrium arduini* L. and *Teucrium flavum* L. induce protective effect against mitomycin C in human lymphocytes *in vitro*. *Drug and Chemical Toxicology*, 45 (2), 940-946. M22; IF₂₀₂₀: 3,356; DOI: [10.1080/01480545.2020.1802477](https://doi.org/10.1080/01480545.2020.1802477); ISSN: 0148-0545

Milošević-Đorđević O, Grujičić D, **Radović M**, Vuković N, Žižić J, Marković S (2015). *In vitro* chemoprotective and anticancer activities of propolis in human lymphocytes and breast cancer cells. *Archives of Biological Sciences*, 67 (2), 571-581. M23; IF₂₀₁₄: 0,718; DOI: [10.2298/ABS141013019M](https://doi.org/10.2298/ABS141013019M); ISSN: 0354-4664,

Grujičić D, **Radović M**, Arsenijević S, Milošević-Djordjević O (2016). Cytogenetic biomarkers in detection of genotoxic effects of gestagens in peripheral blood lymphocytes *in vitro* and *in*

vivo. *European Journal of Medical Genetics*, 59 (12), 624-633. M23; IF₂₀₁₆: 2,137; DOI: [10.1016/j.ejmg.2016.10.009](https://doi.org/10.1016/j.ejmg.2016.10.009); ISSN: 1769-7212

Milošević-Djordjević O, Grujičić D, **Radović Jakovljević M**, Marinković D, Dimitrijević S, Mihaljević O, Mijatović-Teodorović L, Živančević-Simonović S (2017). Influence of GSTT1 and GSTM1 null genotypes on differentiated thyroid cancer risk and baseline and radioiodine induced cytogenetic damage in peripheral blood lymphocytes of patients. *Genetika*, 49 (2), 599-611. M23; IF₂₀₁₇: 0,392; DOI: [10.2298/GENSR1702599M](https://doi.org/10.2298/GENSR1702599M); ISSN: 0534-0012

Milošević-Djordjević O, **Radović Jakovljević M**, Marković A, Stanković M, Ćirić A, Marinković D, Grujičić D (2018). Polyphenolic contents of *Teucrium polium* L. and *Teucrium scordium* L. associated with their protective effects against MMC-induced chromosomal damage in cultured human peripheral blood lymphocytes. *Turkish Journal of Biology*, 42 (2), 152-162. M23; IF₂₀₁₆: 1,038; DOI: [10.3906/biy-1707-36](https://doi.org/10.3906/biy-1707-36); ISSN: 1300-0152

Tubić J, Grujičić D, **Radović Jakovljević M**, Ranković B, Kosanić M, Stanojković T, Ćirić A, Milošević-Djordjević O (2019). Investigation of biological activities and secondary metabolites of *Hydnum repandum* acetone extract. *Farmacina*, 67, 174-183. M23; IF₂₀₁₉: 1,607; DOI: [10.31925/farmacina.2019.1.24](https://doi.org/10.31925/farmacina.2019.1.24); ISSN: 0014-8237

Kosanić M, Ranković B, Stanojković T, **Radović Jakovljević M**, Ćirić A, Grujičić D, Milošević-Djordjević O (2019). *Craterellus cornucopioides* edible mushroom as source of biologically active compounds. *Natural Product Communications*, 14 (5). M23; IF₂₀₁₇: 0,809; DOI: [10.1177/1934578X19843610](https://doi.org/10.1177/1934578X19843610); ISSN: 1934-578X

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Radović Jakovljević M, Milutinović M, Djurdjević P, Todorović Ž, Stanković M, Milošević-Djordjević O (2023). Cytotoxic and apoptotic activity of acetone and aqueous *Artemisia vulgaris* L. and *Artemisia alba* Turra extracts in colorectal cancer cells. *European Journal of Integrative medicine*, 57, 102204. M23; IF₂₀₂₂: 2.5; DOI: [10.1016/j.eujim.2022.102204](https://doi.org/10.1016/j.eujim.2022.102204); ISSN: 1876-3820

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to autoimmune diseases: a preliminary study. *Kragujevac Journal of Science*, 40, 153-161. M24;
DOI: [0.5937/KgJSci1840153G](https://doi.org/10.5937/KgJSci1840153G); ISSN: 1450-9636