

Dr. Borislav Banjac, Associate Professor

I. BASIC INFORMATION

Surname Banjac
Name Borislav
Affiliation University of Novi Sad, Faculty of Agriculture
Address Sq. Dositeja Obradovića 8
21000 Novi Sad, Republic of Serbia
Phone - office +381/21 485 32 99
e-mail borislav.banjac@polj.edu.rs

II. ACADEMIC RECORDS

Professional experience

2009– University of Novi Sad, Faculty of Agriculture

Progress in Higher Education & Professional Specialisation

2007 Bachelor of Science (B.Sc.), Field and Vegetable Crops, University of Novi Sad, Faculty of Agriculture
2008 Master of Science (M.Sc.), Agronomy – Genetics, Plant Breeding and Seed Science, University of Novi Sad, Faculty of Agriculture
2015 Doctor of Philosophy (Ph.D.), Agronomy (Genetics, Plant Breeding and Seed Science), University of Novi Sad, Faculty of Agriculture

Main research areas

- Crop responses to abiotic stresses
- Plant Phenotypisation
- Agrobiodiversity and genetics resources

Academic activities

- teaching and mentoring of undergraduate, master's, and Ph. D. students

Engagements in Scientific Project (Selected)

- 1** ClimaPannonia- Building climate resilience via large scale uptake of systemic solutions in agricultural ecosystems in the Pannonian region (2025-2029). *Horizon Europe*. Participant.
- 2** Cost action 22157: ReCrop: Reproductive Enhancement of CROP resilience to extreme climate (2023-2027) – Member
- 3** Cost action 19125: EPI CATCH: EPIgenetic mechanisms of Crop Adaptation To Climate cHange (2020-2024) – Member

III. ADDITIONAL ACADEMIC RECORDS

Progress in Academic/Research position

2009-2011 Researcher, University of Novi Sad, Faculty of Agriculture
2011-2016 Teaching Assistant, University of Novi Sad, Faculty of Agriculture
2016-2021 Assistant Professor, University of Novi Sad, Faculty of Agriculture
2021- Associate Professor, University of Novi Sad, Faculty of Agriculture

Language skills

English

IV. LIST OF PUBLICATIONS (most significant in the past 3 years)

Matković Stojšin, Mirela, Petrović, Sofija, **Banjac, B.**, Zečević, Veselinka, Roljević Nikolić Svetlana, Majstorović, Helena, Đorđević, R., Knežević, D. (2022): Assessment of genotype stress tolerance as an effective way to sustain wheat production under salinity stress conditions. *Sustainability*, 14 (12), 6973. <https://doi.org/10.3390/su14126973>.

Matković Stojšin, Mirela, Petrović, Sofija, Dimitrijević, M., Šućur Elez, Jovana, Malenčić, Đ., Zečević, Veselinka, **Banjac, B.**, Knežević, D. (2022): Effect of salinity stress on antioxidant activity and grainm yield of different wheat genotypes, *Turkish Journal of Field Crops*, 27 (1): 33-40.

Banjac, B., Mladenov, V., Petrović, Sofija, Matković Stojšin, Mirela, Krstić, Đ., Vujić, Svetlana, Mačkić, Ksenija, Kuzmanović, B., Banjac, Dušana, Jakšić, Snežana, Begić, D., Šućur, Rada (2022): Phenotypic variability of wheat and environmental share in soil salinity stress [3S] conditions. *Sustainability*, 14 (14): 8598. [10.3390/su14148598](https://doi.org/10.3390/su14148598)

Šućur, Rada, Mladenov, V., **Banjac, B.**, Trkulja, Dragana, Mikić, Sanja, Šumaruna, Maja, Borner, A. (2023): Phenotypic marker study of worldwide wheat germplasm. *Italian Journal of Agronomy*. doi: 10.4081/ija.2023.2194

Krstić M, Mladenov V, **Banjac B.**, Babec B, Dunderski D, Ćuk N, Gvozdenac S, Cvejić S, Miklič V, Jocić S, Ovuka J (2023). Can a modification of sowing date and genotype selection reduce the impact of climate changes in seed sunflower production? *Agriculture*. doi.org/10.3390/agriculture13112149

Mladenov, V., **Banjac, B.***, Petrović, Sofija, Šućur, Rada, Jocković, B. (2023): Miotigating abiotic stresses: study on Panonnian Basin wheat. *Genetika*, 55 (3), 951-961 <https://doi.org/10.2298/GENSR2303951M>

Krstić, N., Jaćimović, G., Ljevnaić-Mašić, B., Petrović, S., Prijić, Ž., Krstić, Đ., **Banjac, B.** (2024): Morphological Trait Variations and Flower Color Differences in Wild Crocus Species. *Horticulturae* 2024, 10, 1214. <https://doi.org/10.3390/horticulturae10111214>

Zec, S., Tamindžić, G., Azizbekian, S., Ignjatov, M., Danojević, D., Červenski, J., Vlajić, S., Vojnović, Đ., **Banjac, B.** (2025). Foliar Application of Ca-Based Fertilizers (Conventional vs. Nanofertilizers): Effects on Fruit Traits, Seed Quality Parameters and Initial Plant Growth of Tomato Genotypes. *Horticulturae*, 11(11), 1303. <https://doi.org/10.3390/horticulturae11111303>

V. BOOKS

1. Banjac B (2020) Collection of Questions and Exercises in Genetics- Handbook. University of Novi Sad, Faculty of Agriculture. ISBN 9788675205050
2. Mladenov V, Boćanski J, Banjac B (2021) Plant Breeding - Handbook. University of Novi Sad, Faculty of Agriculture. ISBN 9788675205227
3. Mladenov V, Banjac B, Šućur R (2023) Ecological and agronomical challenges in wheat production in Vojvodina. ISBN 9788675205951
4. Petrović S, Banjac B (2025) Principles of Experimental Work-Book. University of Novi Sad, Faculty of Agriculture. ISBN 9788675206354