

Dr. Velimir Mladenov, Associate Professor

Field of research: Genetics, Plant Breeding and Seed Production

E-mail: velimir.mladenov@polj.edu.rs

Telephone: +381 21 4853 236

Academic qualifications

- B.Sc. (2008) - University of Novi Sad, Faculty of Agriculture
- M.Sc. (2011) - University of Novi Sad, Faculty of Agriculture
- PhD (2017) - University of Novi Sad, Faculty of Agriculture

Selected publications

1. Abdelrady W, Mostafa K; Elshawy E, **Mladenov V**; Bacu A; Zeng F, Kavas M (2025): [NHX Transporters: Molecular Mechanisms and Applications for Enhancing Crop Resilience to Soil Salinity in Changing Environments.](#) *Plant Physiology and Biochemistry*.
2. Drašković B, Mitrović B, **Mladenov V**, Mitrović I, Janković M, Zorić M, Đurić N (2025): [Genotype by environment dynamics in maize: unrevealing the impact of plant density on yield productivity through inclusion of environmental variables.](#) *Turkish Journal of Agriculture and Forestry*.
3. Šućur R, Ali A, Mortazavi P, Jocković B, **Mladenov V**, Nadeem MA, Baloch FS (2025): [Molecular screening of stripe rust and powdery mildew resistance genes using the validated gene specific SSR markers.](#) *Physiological and molecular plant pathology*. 139.
4. Liebermann-Lazarovich M, Kaiserli E, Bucher E, **Mladenov V** (2022): [Natural and induced epigenetic variation for crop improvement.](#) *Current Opinion in Plant Biology*. 70:102297.
5. **Mladenov V**, Fotopoulos V, Kaiserli E, Karalija E, Maury S, Baranek M, Segal N, Testillano P, Vassileva V, Pinto G, Nagel M, Hoenicka H, Miladinović D, Gallusci P, Vergata C, Kapazoglou A, Abraham E, Tani E, Gerakari M, Sarri E, Avramidou E, Gašparović M, Martinelli F (2021): [Deciphering the epigenetic alphabet involved in stress transgenerational](#)

[memory in crops](#). *International Journal of Molecular Sciences*. 22(13), 7118. DOI 10.3390/ijms22137118

Selected projects

1. ClimaPannonia- Building climate resilience via large scale uptake of systemic solutions in agricultural ecosystems in the Pannonian region (2025-2029). *Horizon Europe*. Coordinator of the project
2. Developing Intercropping for agrifood value chains and ecosystem services delivery in Europe and Southern Countries – IntercropValuES (2022-2026) *Horizon Europe*
3. Bioeconomy excellence alliance for stimulating innovative and inclusive green technology-Beaming 2024-2027). *Horizon Europe*
4. Cost action 22157 ReCrop: Reproductive Enhancement of CROP resilience to extreme climate (2023-2027) – Science Communication Coordinator
5. Cost action 24156 Seed Priming Solutions: Boosting Crop Resilience for a sustainable Future (PrimSeedPower)

Academic activities

- teaching in research field of Genetics, Plant Breeding and Seed Science at all levels of studies

Memberships

- Serbian Seed Association