

Dr. Velimir Mladenov, Associate Professor

Field of research: Genetics, Plant Breeding and Seed Production

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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. **Mladenov V**, Vujić S, Krstović S, Čabilovski R, Banjac B, Šućur R, Čurčić M, Feher T, Radišić M, Iličić B, Halupka G, Jancso M, Gelybo G, Varga J, Vityi A, Nadeem MA, Baloch FS (2025): [Challenges in building Pannonian climate resilience across agriculture: something old, something new, something borrowed, something blue?](https://doi.org/10.12688/openreseurope.21666.2) *Open Research Europe* 5:342. <https://doi.org/10.12688/openreseurope.21666.2>
2. 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*.
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. Building climate resilience via large scale uptake of systemic solutions in agricultural ecosystems in the Pannonian region - ClimaPannonia (2025-2029). *Horizon Europe*. Coordinator of the project
2. Interreg IPA Croatia-Serbia: Enhancing wheat genetical resistance to FHB and grain yield in the era of precision agriculture - RES Wheat (2026-2028)
3. Analysis of Drought Development and Support for Drought Adaptation in Serbia through Slovak Expertise, *Slovak Aid* (2025-2027)
4. Developing Intercropping for agrifood value chains and ecosystem services delivery in Europe and Southern Countries – IntercropValuES (2022-2026) *Horizon Europe*
5. Bioeconomy excellence alliance for stimulating innovative and inclusive green technology - Beaming (2024-2027). *Horizon Europe*

Academic activities

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