

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**, 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
2. Kokoulidou I, Avramidou E, Baranek M, Brunel-Muguet S, Farrona S, Johannes F, Kaiserli E, Lieberman-Lazarovich M, Martinelli F, **Mladenov V**, Testillano P, Vassileva V, Maury S. (2021): Epigenetics for Crop Improvement in Times of Global Change. *Biology Journal*. 10(8), 766. DOI 10.3390/biology10080766
3. 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. <https://doi.org/10.1016/j.pbi.2022.10229>
4. Agius D, Kapazoglou A, Avramidou E, Baranek M, Carneros E, Caro E, Castiglione S, Cicatelli A, Radanovic A, Ebejer JP, Gackowski D, Guarino F, Gulyás A, Hidvégi N, Hoenicka H, Inácio V, Johannes F, Karalija E, Lieberman-Lazarovich M, Martinelli F, Maury S, **Mladenov V**, Morais-

Cecilio L, Pecinka A, Tani E, Testillano P, Todorov D, Valledor L and Vassileva V (2023): Exploring the crop epigenome: a comparison of DNA methylation profiling techniques. *Frontiers in Plant Science*. 14:1181039. DOI 10.3389/fpls.2023.1181039

5. Šučur R, **Mladenov V***, Banjac B, Trkulja D, Mikić S, Šumaruna M, Börner A (2024): Phenotypic marker study of worldwide wheat germplasm. *Italian Journal of Agronomy*. DOI 10.4081/ija.2023.2194

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 19125: EPI CATCH – „EPIgenetic mechanisms of Crop Adaptation To Climate cHange“ (2020-2024) – Science Communication Coordinator
5. Cost action 22157 ReCrop: Reproductive Enhancement of CROP resilience to extreme climate (2023-2027) – Science Communication Coordinator

Academic activities

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

Memberships

- Serbian Seed Association