

dr Velimir Mladenov, vanredni profesor

Uža naučna oblast: Genetika, oplemenjivanje biljaka i semenarstvo

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Obrazovanje:

- Dipl.inž. (2008) – Poljoprivredni fakultet u Novom Sadu, smer ratarsko-povrtarski
- Master inž. poljoprivrede (2011) – Poljoprivredni fakultet u Novom Sadu, Genetika, oplemenjivanje biljaka i semenarstvo
- Doktor biotehničkih nauka (2017) – Poljoprivredni fakultet, Agronomija

Odabrane publikacije:

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.2022.102297>
4. Agius D, Kapazoglou A, Avramidou E, Baranek M, Carneros E, Caro E, Castiglione S, Ciatelli 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 (2023): Phenotypic marker study of worldwide wheat germplasm. *Italian Journal of Agronomy*. DOI 10.4081/ija.2023.2194

Odabrani projekti:

1. Developing Intercropping for agrifood value chains and ecosystem services delivery in Europe and Southern Countries – IntercropValuES. Horizon Europe
2. Bioeconomy excellence alliance for stimulating innovative and inclusive green technology-Beaming. Horizon Europe
3. Ecological and agronomic challenges in wheat production. Provincial Secretariat for Agriculture, Water Management and Forestry of Vojvodina, Serbia.
4. Cost action 19125: EPI CATCH – „EPIgenetic mechanisms of Crop Adaptation To Climate cHange“
5. Cost action 22157 ReCrop: Reproductive Enhancement of CROP resilience to extreme climate

Akadske aktivnosti

- Nastava iz uže naučne oblasti Genetika, oplemenjivanje biljaka i semenarstvo na svim nivoima studija

Članstvo u udruženjima

- član Semenarske asocijacije Srbije

Ostale aktivnosti

- učestvuje i koordinira u pripremi evropskih projekata
- obavlja funkciju naučnog koordinatora na kost akcijama CA19125 i CA22157

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.2022.102297>
4. Agius D, Kapazoglou A, Avramidou E, Baranek M, Carneros E, Caro E, Castiglione S, Cicutelli 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
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Selected projects

1. Developing Intercropping for agrifood value chains and ecosystem services delivery in Europe and Southern Countries – IntercropValuES. Horizon Europe

2. Bioeconomy excellence alliance for stimulating innovative and inclusive green technology-Beaming. Horizon Europe
3. Ecological and agronomic challenges in wheat production. Provincial Secretariat for Agriculture, Water Management and Forestry of Vojvodina, Serbia.
4. Cost action 19125: EPI CATCH – „EPIgenetic mechanisms of Crop Adaptation To Climate cHange“
5. Cost action 22157 ReCrop: Reproductive Enhancement of CROP resilience to extreme climate

Academic activities

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

Memberships

- Serbian Seed Association

Other activities

- Coordinate and write science project proposals
- Science Communication Coordinator on cost actions: CA19125 and CA22157