

Dr Mila Grahovac, Vanredni profesor

Uža naučna oblast: Fitopatologija

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Obrazovanje

- **Dipl. inž. (2008)** – Univerzitet u Novom Sadu, Poljoprivredni fakultet, studijski program – Zaštita bilja
- **Master (2009)** - Univerzitet u Novom Sadu, Poljoprivredni fakultet, studijski program – Fitomedicina
- **Doktor nauka (2014)** - Univerzitet u Novom Sadu, Poljoprivredni fakultet, studijski program – Agronomija

Odabrane publikacije

1. Ivanović Ž., Milošević D., Ignjatov M., Marjanović Jeromela A., Karaman M., **Grahovac M.** (2020): First report of *Fusarium equiseti* as the causal agent of seed rot of *Matthiola longipetala* in Serbia. Plant Disease, <https://doi.org/10.1094/PDIS-03-20-0602-PDN>.
2. Savić Z., Dudaš T., Loc M., **Grahovac M.**, Budakov D., Jajić I., Barošević T., Krska R., Sulyok M., Stojšin V., Petreš M., Stankov A., Vukotić J., Bagi F. (2020): Biological Control of Aflatoxin in Maize Grown in Serbia. Toxins, 12(3): 162. DOI: [10.3390/toxins12030162](https://doi.org/10.3390/toxins12030162)
3. Petreš M., Kalajdžić J., Milić B., Magazin N., Stankov A., Vukotić J., **Grahovac M.** (2020): Effect of hot water treatments on apple fruit rot caused by *Fusarium* spp. Journal of Plant Diseases and Protection, <https://doi.org/10.1007/s41348-020-00302-4>.
4. Hrustić J., Mihajlović M., **Grahovac M.**, Delibašić G., Tanović B. (2017): Fungicide sensitivity, growth rate, aggressiveness and frost hardiness of *Monilinia fructicola* and *Monilinia laxa* isolates. European Journal of Plant Pathology, DOI: 10.1007/s10658-017-1380-9.
5. Tarlanović J., **Grahovac M.**, Milić B., Keserović Z., Magazin N., Petreš M., Miodragović M. (2017): Effect of storage conditions on virulence of *Fusarium avenaceum* and *Alternaria alternata* on apple fruits. Journal of Phytopathology, 165: 595-601.
6. Radunović, D., Gavrilović, V., Gašić, K., Paunović, M., Stojšin, V., **Grahovac, M.** (2017): Molecular characterization of *Erwinia amylovora* strains originated from pome fruits and indigenous plant in Montenegro. Journal of Plant Pathology, Vol. 99, No. 1: 197-203
7. **Grahovac, M.**, Balaž, J., Tanović, B., Hrustić, J., Vučinić, N., Delibašić, G., Maširević, S. (2016): Effect of different storage conditions of apple fruits on *Colletotrichum* species virulence. Romanian Biotechnological Letters, 21 (1): 11225-11231.
8. Aćimović, M., **Grahovac, M.**, Stanković, J., Cvetković, M., Maširević S. (2016): Essential oil composition of different coriander (*Coriandrum sativum* L.) accessions and their influence on mycelial growth of *Colletotrichum* spp. Acta. Sci. Pol. Hortorum Cultus, 15 (4): 35-44.
9. Tadijan, I., Grahovac, J., Dodić, J., **Grahovac, M.**, Dodić, S. (2016): Effect of Cultivation Time on Production of Antifungal Metabolite(s) by *Streptomyces*

- hygroscopicus* in Laboratory-Scale Bioreactor. Journal of Phytopathology, 164, 310-317.
10. **Grahovac, M.**, Grahovac, J., Dodić, J., Tadijan, I., Balaž, J., Tanović, B., Hrustić, J. (2015): Mode of antifungal activity of *Streptomyces hygroscopicus* against *Colletotrichum* spp. In: Emerging inovations in agriculture: From theory to practice. Ed. by Amitava Rakshit. ATINER, 67-75.
 11. Hrustić, J., Delibašić, G., Stanković, I., **Grahovac, M.**, Krstić, B., Bulajić, A., Tanović, B. (2015): *Monilinia* species causing brown rot of pome fruit in Serbia. Plant Disease, 99: 709-717.
 12. Grahovac, J., **Grahovac, M.**, Dodić, J., Bajić, B., Balaž, J. (2014): Optimization of cultivation medium for enhanced production of antifungal metabolites by *Streptomyces hygroscopicus*. Crop Protection, 65, 143-152.
 13. **Grahovac, M.**, Balaž, J., Grahovac, J., Dodić, J., Tanović, B., Hrustić, J., Tadijan, I. (2014): Screening of antagonistic activity of selected microorganisms against apple rot pathogens. Romanian Biotechnological Letters, 19(1): 8959-8965.
 14. **Grahovac M.**, Indić D., Vuković S., Hrustić J., Gvozdenac S., Mihajlović M., Tanović B. (2012): Morphological and ecological features as differentiation criteria for *Colletotrichum* species. Žemdirbyste=Agriculture, 99 (2), 189-196.

Odabrani projekti

1. „Bioprocess solution for the production of biocontrol agent against aflatoxigenic *Aspergillus* species” BioSolAfla, projekat broj 6064541, PROMIS, Fond za nauku R. Srbije, 2020-2021. (Učesnik)
2. „Co-Create Change in Research Funding and Performing” (Co-Change), broj 873112, Horizon 2020, Evropska Unija, 2020-2023. (Učesnik)
3. „Safe food and feed through an integrated Toolbox for Mycotoxin Management“ (MyToolBox), broj 678012, Horizon 2020, Evropska Unija, 2016-2020. (Učesnik)
4. „Strategies to predict, prevent and reduce the effect of fungal contamination on cereals quality, production and food safety” SAFETYCER, broj 2017-1-RO01-KA202-037215, Evropska Unija, 2017-2019.
5. „Razvoj integrisanih sistema upravljanja štetnim organizmima u biljnoj proizvodnji sa ciljem prevazilaženja rezistentnosti i unapređenja kvaliteta i bezbednosti hrane“ broj III46008. Ministarstvo prosvete, nauke i tehnološkog razvoja R. Srbije. 2010 – 2018. (Učesnik)
6. „Sprovođenje posebnog nadzora u kukuruzu na prisustvo *Pantoea stewartii*”, broj 321-01-01227/2017-11, Ministarstvo poljoprivrede i zaštite životne sredine. 2017. (Rukovodilac)
7. „Klonska selekcija šljiva i karakterizacija autohtonih i odomaćenih sorti u region srednjeg Banata”, Pokrajinski sekretarijat za nauku i tehnološki razvoj. 2015-2016. (Učesnik)
8. „Ispitivanje naučne osnove biološke zaštite jabuke od prozrokovača truleži plodova”. Projekat bilateralne saradnje sa Belorusijom. Broj 69-00-035/2011-14/9. Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije. 2011-2012. (Učesnik)

9. „Razvoj biotehnološkog postupka proizvodnje antagonista skladišnih patogena jabuke u uvećanim razmerama“. Broj 114-451-5041/2013-01. Pokrajinski sekretarijat za nauku i tehnološki razvoj. 2013-2014. (Učesnik)
10. „Optimizacija biotehnološkog postupka proizvodnje antagonista skladišnih patogena jabuke“. Broj 114-451-3669/2012-02. Pokrajinski sekretarijat za nauku i tehnološki razvoj. 2012-2013. (Učesnik)
11. „Optimizacija primene aktuelnih istraživanja novih fungicida i zoocida u funkciji njihove efikasnosti i bezbednosti hrane“. Broj TR20060. Ministarstvo za nauku i tehnološki razvoj Republike Srbije. 2010-2011. (Učesnik)

Akadske aktivnosti

- **Nastava** iz uže naučne oblasti Fitopatologija na osnovnim, master i doktorskim studijama.

Članstvo u udruženjima

- Društvo za zaštitu bilja Srbije

Ostale aktivnosti

- Član Saveta fakulteta.
- Urednik oblasti Bolesti i suzbijanje časopisa Biljni lekar 2017 – do danas.
- Predsednik organizacionog odbora smotre studenata poljoprivrede i veterinarske medicine sa međunarodnim učešćem, Univerzitet u Novom Sadu, Poljoprivredni fakultet.
- Lektor za engleski jezik časopisa „Pesticidi i fitomedicina“ 2011 - 2012. godine.

Associate professor Mila Grahovac, PhD

Field of research: Phytopathology

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Telephone: +381 21 4853 347

Academic qualifications

- **B.Sc. (2008)** - University of Novi Sad, Faculty of Agriculture
- **M.Sc. (2009)** - University of Novi Sad, Faculty of Agriculture
- **PhD (2014)** - University of Novi Sad, Faculty of Agriculture

Selected publications

1. Ivanović Ž., Milošević D., Ignjatov M., Marjanović Jeromela A., Karaman M., **Grahovac M.** (2020): First report of *Fusarium equiseti* as the causal agent of seed rot of *Matthiola longipetala* in Serbia. Plant Disease, <https://doi.org/10.1094/PDIS-03-20-0602-PDN>.
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Selected projects

1. „Bioprocess solution for the production of biocontrol agent against aflatoxigenic *Aspergillus* species” BioSolAfla, project No. 6064541, PROMIS, Science Fund Serbia, 2020-2021. (Participant)
2. „Co-Create Change in Research Funding and Performing” (Co-Change), project No. 873112, Horizon 2020, European Union, 2020-2023. (Participant)
3. „Safe food and feed through an integrated Toolbox for Mycotoxin Management, MyToolBox“, No. 678012, Horizon 2020, European Union, 2016-2020. (Participant)
4. „Strategies to predict, prevent and reduce the effect of fungal contamination on cereals quality, production and food safety” SAFETYCER, project No. 2017-1-RO01-KA202-037215, European Union, 2017-2019.
5. “Development of integrated systems for pest management in plant production with an aim to overcome resistance and improve food quality and safety”. No. III46008. Serbian Ministry of Education, Science and Technological development. 2010-2016. (Participant)
6. „Monitoring of corn on presence of *Pantoea stewartii*”, No. 321-01-01227/2017-11, Serbian Ministry for Agriculture and environmental protection. 2017. (Manager)
7. “Investigation of scientific basis for biological protection of apple fruits from causal agents of rot”. Bilateral cooperation with Belarus. No. 69-00-035/2011-14/9. Serbian Ministry of Education, Science and Technological development. 2011-2012. (Participant)
8. “Clonal selection of plums and characterization of indigenous and domesticated varieties in the region of middle Banat”, Provincial Secretariat for Science and Technological Development. 2015-2016. (Participant)

9. "Development and scale-up of biotechnological process for production of antagonists of apple fruit rot pathogens". No. 114-451-5041/2013-01. Provincial Secretariat for Science and Technological Development. 2013-2014. (Participant)
10. „Optimization of biotechnological production of bioagents - antagonists of stored apple pathogens“. No. 114-451-3669/2012-02. Provincial Secretariat for Science and Technological Development. 2012-2013. (Participant)
11. "Optimization of current research of new fungicides and zoocides in function of their effectiveness and food safety". No. TD20060. Serbian Ministry of Science and Technological development. 2010-2011. (Participant)

Academic activities

- Teaching position at undergraduate and postgraduate studies (Phytobacteriology, Mycosis of fruits, vines and ornamental plants, Biological control)

Memberships

- Serbian Plant Protection Society

Other activities

- Faculty Council member
- Consulting editor for Diseases and control in the journal Plant doctor 2017 – today.
- President of organizing committee of conference for students of agriculture and veterinary medicine with international participation, University of Novi Sad, Faculty of Agriculture.
- Lector of English language in the journal "Pesticides and Phytomedicine", 2011-2012.