

Dipl. inž. master Marta Loc, asistent
Uža naučna oblast: Fitopatologija
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Obrazovanje

Dipl. inž. (2017) – Univerzitet u Novom Sadu, Poljoprivredni fakultet, studijski program – Fitomedicina

Dipl. inž. master (2018) – Univerzitet u Novom Sadu, Poljoprivredni fakultet, studijski program – Fitomedicina

Odabrane publikacije

1. **Loc, M.**, Milošević, D., Ignjatov, M., Ivanović, Ž., Budakov, D., Grahovac, J., Vlajkov, V., Pajčin, I., Grahovac, M. (2021): First Report of *Pectobacterium punjabense* causing potato soft rot and blackleg in Serbia. *Plant Disease*, 106(5), p.1513, <https://doi.org/10.1094/PDIS-06-21-1199-PDN>
2. Vlajkov, V., Grahovac, M., Budakov, D., **Loc, M.**, Pajčin, I., Milić, D., Novaković, T., Grahovac, J. (2021): Distribution, Genetic Diversity and Biocontrol of Aflatoxigenic *Aspergillus flavus* in Serbian Maize Fields. *Toxins*, 13, 687. <https://doi.org/10.3390/toxins13100687>
3. Liu N., Liu Ch., Dudaš T., **Loc M.**, Bagi F., Van Der Fels-Klerx H.J. (2021): Improved aflatoxin and fumonisin forecasting models for maize (PREMA and PREFUM), using combined mechanistic and Bayesian network modelling – Serbia as a case study, *Front. Microbiol.*, doi: 10.3389/fmicb.2021.643604
4. 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
5. Grahovac M., Grahovac J., Ignjatov M., Vlajkov V., Pajčin I., Dodić J., **Loc M.** (2019): Effects of cultivation conditions on *Bacillus amyloliquefaciens* activity against *Pectobacterium carotovorum* subsp. *brasiliense*. Book of abstracts, 4th International Symposium on Biological Control of Bacterial Plant Diseases, Viterbo, Italy. *J Plant Pathol*, Issue 4, Vol. 101: 849. DOI: <https://doi.org/10.1007/s42161-019-00395-3>.
6. **Loc M.**, Milošević D., Ignjatov M., Budakov D., Petreš M., Stojšin V., Grahovac M. (2020): The susceptibility of different potato cultivars to blackleg and soft rot caused by *Pectobacterium* spp. 1. Conference on Microbiology (FEMS), Belgrade, Serbia, 28-31 October, 2020, pp. 203-203.
7. Vlajkov V., Grahovac J., Pajčin I., Grahovac M., **Loc M.**, Ignjatov M., Jokić A. (2020): Potential of *Bacillus amyloliquefaciens* as a biocontrol agent produced on different carbon source-based cultivation media. 1. Conference on Microbiology (FEMS), Belgrade, Serbia, 28-31 October, 2020, pp. 209-209.
8. **Loc M.**, Rikanović T., Petreš M., Ignjatov M., Budakov D., Bagi F., Grahovac M. (2019): Effect of high temperatures on growth and pathogenicity of *Pectobacterium carotovorum* subsp. *brasiliense* on potato. Book of Abstracts VIII Congress on Plant Protection: Integrated Plant Protection for Sustainable Crop Production and Forestry, Zlatibor, Serbia, 178.
9. **Loc M.**, Petrović G., Ignjatov M., Budakov D., Petreš M., Stojšin V., Grahovac M. (2020): Vrste rodova *Pectobacterium* i *Dickeya* – prouzrokovaci crne truleži prizemnog dela stabla i vlažne truleži krtola krompira, *Biljni lekar*, 48, 1, 52-66.

Odabrani projekti

1. EU4TECH PoC - 'Valorization of waste' (Valorization of waste through production of microbial biocontrol agents), Project funded by the European Union, 2020-2021, učesnik
2. Harmonizacija i inoviranje doktorskih studijskih programa u oblasti zaštite biljaka u održivoj poljoprivredi, No. 598444-EPP-1-2018-1- HR-EPPKA2-CBHE-JP, Erasmus+ Joint Projects, 2019-2021, učesnik
3. „Razvoj integriranih 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. 2019-2020, učesnik
4. Projekat po programu saradnje nauke i privrede „Increased sustainability of plant protection by innovative approaches in *Bacillus*-based biological plant disease and pest control“, (IF ID projekta 50487), Fond za inovacionu delatnost, 2022-2024, učesnik

Akadske aktivnosti

Izvođenje nastave iz uže naučne oblasti Fitopatologija na osnovnim studijama

Članstvo u udruženjima

Društvo za zaštitu bilja Srbije
Udruženje naučnica Srbije "SRNA"

Nagrade i priznanja

- Prva nagrada - Takmičenje za najbolju poslovnu ideju Univerziteta u Novom Sadu, ikNNow projekat prekogranične saradnje Mađarske i Srbije HUSRB/1602/41/0158, 2020.
- Prva nagrada - Takmičenje za najbolju studentsku ideju Univerziteta u Novom Sadu Erasmus+ projekat IF4TM, 2019.
- Treća nagrada – Nacionalno finale takmičenja za najbolju studentsku ideju, Erasmus+ projekta IF4TM, Naučno-tehnološki park Beograd, 2019.
- Druga nagrada - takmičenje "Space4Women: Zakoračimo u svet novih ideja", Univerzitet u Novom Sadu, 2019.
- Prva nagrada - Međunarodno takmičenje studentskih projekata u oblasti biologije i poljoprivrednih nauka, Banatski univerzitet poljoprivrednih nauka i veterinarske medicine Kralj Mihael I Rumunski, Temišvar, Rumunija, 2018.
- Prva nagrada - X Smotra naučnih radova studenata agronomije sa međunarodnim učešćem, Agronomski fakultet u Čačku, Univerzitet u Kragujevcu, 2017.

Ostale aktivnosti

- Član organizacionog odbora 43, 44. i 45. Smotre studenata poljoprivrede i veterinarske medicine sa međunarodnim učešćem, 2019-2021.

MSc Marta Loc, Teaching Assistant

Field of research: Phytopathology

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Academic qualifications

B.Sc. (2017) - University of Novi Sad, Faculty of Agriculture

M.Sc. (2018) - University of Novi Sad, Faculty of Agriculture

Selected publications

1. **Loc, M.**, Milošević, D., Ignjatov, M., Ivanović, Ž., Budakov, D., Grahovac, J., Vlajkov, V., Pajčin, I., Grahovac, M. (2021): First Report of *Pectobacterium punjabense* causing potato soft rot and blackleg in Serbia. *Plant Disease*, 106(5), p.1513, <https://doi.org/10.1094/PDIS-06-21-1199-PDN>
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4. 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
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8. **Loc M.**, Rikanović T., Petreš M., Ignjatov M., Budakov D., Bagi F., Grahovac M. (2019): Effect of high temperatures on growth and pathogenicity of *Pectobacterium carotovorum* subsp. *brasiliense* on potato. Book of Abstracts VIII Congress on Plant Protection: Integrated Plant Protection for Sustainable Crop Production and Forestry, Zlatibor, Serbia, 178.
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Selected projects

1. EU4TECH PoC - 'Valorization of waste' (Valorization of waste through production of microbial biocontrol agents), Project funded by the European Union, 2020-2021, participant
2. Harmonization and Innovation in PhD Study Programs for Plant Health in Sustainable Agriculture, No. 598444-EPP-1-2018-1- HR-EPPKA2-CBHE-JP, Erasmus+ Joint Projects, 2019-2021, participant
3. Development of integrated management of harmful organisms in plant production in order to overcome resistance and to improve food quality and safety, III46008, Ministry of Education, Science and Technological Development of the Republic of Serbia, 2019-2020, participant
4. „Increased sustainability of plant protection by innovative approaches in *Bacillus*-based biological plant disease and pest control“, (IF ID 50487), Collaborative Grant Scheme Program, Innovation Fund, 2022-2024, participant

Academic activities

Teaching various subjects from the area of Plant pathology at undergraduate studies

Memberships

Serbian Plant Protection Society
Serbian Association of Women in Science "DOE"

Honors & Awards

- First Award at the Competition for the best business idea of the University of Novi Sad in 2020
- First Award at the Competition for the best student idea in 2019 co-funded by the Erasmus + IF4TM project
- Second Award at the Competition for the best business idea – project financed by the Ministry of Innovation and Technological Development of the Republic of Serbia
- Third Award at the National Competition for the Best Student Idea co-funded by the Erasmus+ IF4TM (Institutional framework for development of the third mission of universities in Serbia) Project
- First Award at the International student project contest in the field of Biology and Agricultural Sciences, Timisoara, Romania, 2018.
- First Award at the 10th Conference of Agronomy Students with international participation, Faculty of Agronomy Čačak, University of Kragujevac, 2017.

Other activities

- Organizing committee member of the 43rd, 44th and 45th Conference for Students of Agriculture and Veterinary Medicine with international participation, 2019-2021.