

Dr Dragana Budakov, vanredni profesor

Uža naučna oblast: fitopatologija

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Obrazovanje:

- **Dipl. inž.** (2005) - Poljoprivredni fakultet u Novom Sadu, smer – Zaštita bilja.
- **Magistar nauka** (2008) - Poljoprivredni fakultet u Novom Sadu, smer - fitopatologija
- **Doktor nauka** (2014) - Poljoprivredni fakultet u Novom Sadu, u.n.o. - fitopatologija

Odabrane publikacije

1. Savic, Z., Dudas T., Loc M., Grahovac M., Budakov D., Jajic I., Krstovic S., Barosevic T., Krska R., Sulyok M., Stojšin V., Petres M., Stankov A., Vukotic J., Bagi F. (2020): Biological Control of Aflatoxin in Maize Grown in Serbia. *Toxins*, 12, 162.
2. Puvaca N., Ljubojevic Pelic D., Tomic V., Radsic R., Milanovic S., Solesa D., Budakov D., Cara M., Bursic V., Petrovic A., Vukovic G., Pelic M., Konstantinovic B., Caric M. (2020): Antimicrobial efficiency of medicinal plants and their influence on cheeses quality. *Mljekarstvo*. 70 (1), 3-12.
3. Janic-Hajnal Elizabet, Mastilovic Jasna, Bagi Ferenc, Orcic Dejan, Budakov Dragana, Kos Jovana, Savic Zagorka (2019): Effect of Wheat Milling Process on the Distribution of *Altenaria* Toxins. *Toxins*, 11(3): 139.
4. Szabo, B., Toth, B., Toldine, ET, Varga, M., Kovacs, N., Varga, J., Kocsube, S., Palagyi, A., Bagi, F., Budakov, D., Stojšin, V., Lazic, S., Bodroza-Solarov, M., Colovic, R., Bekavac, G., Purar, B., Jockovic, D., Mesterhazy, A. (2018): A New Concept to Secure Food Safety Standards against *Fusarium* Species and *Aspergillus Flavus* and Their Toxins in Maize. *Toxins*, 10 (9), 372.
5. Balazs, S., Toth, B., Toth, E., Varga, M., Kovacs, N., Varga, J., Kocsube, S., Palagyi, A., Bagi, F., Budakov, D., Stojšin, V., Lazić, S., Bodroža-Solarov, M., Čolović, R., Bekavac, G., Purar, B., Jocković, Đ., Mesterházy, A. (2018): A new concept to secure food safety standards against *Fusarium* species and *Aspergillus flavus* and their toxins in maize. *Toxins*.p.p. 1-25.
6. Janić-Hajnal, E.P., Belović, M.M., Plavšić, D.V., Mastilović, J.S., Bagi, F.F., Budakov, D.B., Jovana, J.J. (2015). Visual, instrumental and mycotoxicogal characterisation of wheat icoculated with and protected against *Altenaria* spp. *Hemijska industrija* 70 (3): 257-264.
7. Stojšin, V., Balaž, J., Budakov, D., Stanković, S., Nikolić, I., Ivanović, Ž. and Popović, T. (2015): First Report of *Pseudomonas syringae* pv. *aptata* Causing Bacterial Leaf Spot on Sugar Beet in Serbia. *Plant disease* 99 (2), 281.
8. Budakov, D., Nagl, N., Stojšin, V., Bagi, F., Danojević, D., Neher, O., Taški-Ajduković, K. (2014): Sensitivity of *Cercospora beticola* isolates from Serbia to carbendazim and flutriafol. *Crop Protection* 66, 120-126.
9. Bagi, F., Budakov, D., Bursić, V., Stojšin, V., Lazić, S., Vuković, S. (2014): Efficacy of azoxystrobin for the control of cucumber downy mildew (*Pseudoperonospora cubensis*) and fungicide residue analysis. *Crop protection*, 61, 74-78.
10. B. Kiprovski, Dj. Malenčić, M. Popović, V. Stojšin, D. Budakov, Ž. Ćurčić, D. Danojević (2014): Correlation between lipid peroxidation and phenolics content in leaves and roots of sugar beet infected with *Rhizoctonia solani*. *Phytoparasitica* 42: 199-203.
11. Kiprovski, B., Malenčić, Đ., Popović, M., Budakov, D., Stojšin, V. and Balešević-Tubić, S. (2012): Antioxidant systems in soybean and maize seedlings infected with *Rhizoctonia solani*. *Journal of Plant Pathology*, 94 (2), 313-324.
12. Stojšin, V., Budakov, D., Jacobsen, B., Bagi, F., Grimme, E., Neher, O. (2011): Analysis of *Rhizoctonia solani* isolates associated with sugar beet crown and root rot from Serbia. *African Journal of Biotechnology* Vol. 10(82), pp. 19049-19055.

Odabrani projekti

1. Biološka zaštita biljaka u cilju proizvodnje zdravstveno bezbedne hrane - mogućnosti za hrvatsku zajednicu u Vojvodini. Pokrajinski sekretarijat za obrazovanje i naučnoistraživačku delatnost, 2020 (rukovodilac).
2. BioSolAfla - Bioprocess solution for the production of biocontrol agent against aflatoxigenic *Aspergillus* species. Fond za nauku Republike Srbije, 2020-2022 (učesnik).
3. SAFETYCER - Strategies To Predict, Prevent And Reduce The Effect Of Fungal Contamination On Cereals Quality, Production And Food Safety, Project No: 2017-1-RO01-KA202-037215, Erasmus Plus, (učesnik).
4. Safe Food and Feed through an Integrated Toolbox for Mycotoxin Management, MyToolBox, Horizon 2020, 2016-2018 (učesnik).
5. Sprovođenje posebnog nadzora u orahu nad prisustvom novog štetnog organizma *Geosmithia morbida*, i vektora *Pityophthorus junlandis* u skladu sa Pravilnikom o utvrđivanju Programa mera zaštite zdravlja bilja za 2015. godinu, Ministarstvo poljoprivrede i zaštite životna sredine - Uprava za zaštitu bilja, Projekti specijalnog nadzora u 2015 (učesnik).
6. IPA Cross-border Co-operation Programme, HUSRB/1002/122/062, Improvement of safety of corn-based feedstuffs through using more resistant hybrids and management of corn processing, ToxFreeFeed 2012-2013 (učesnik).
7. Trulež korena šećerne repe u Vojvodini. PSNTR 114-451-2518 (učesnik).
8. Poboljšanje linija, hibrida i tehnologije gajenja šećerne repe. TR-31015, 2011-2016, Ministarstvo prosvete, nauke i tehnološkog razvoja (učesnik).
9. Stvaranje slabobujnih podloga za trešnju i višnju i razvijanje intenzivne tehnologije gajenja na principima održive poljoprivrede, TP31038, 2011-2016, Ministarstvo prosvete, nauke i tehnološkog razvoja (učesnik).

Akadske aktivnosti

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

Članstvo u udruženjima

- Društvo za zaštitu bilja Srbije

Ostale aktivnosti

- Govori, čita i piše engleski i služi se nemačkim jezikom.
- Evaluator za procenu biološke efikasnosti sredstava za zaštitu bilja (fungicida) ovlašćena od strane Ministarstva poljoprivrede, šumarstva i vodoprivrede, Uprave za zaštitu bilja.
- Šef Katedre za fitomedcinu i zaštitu životne sredine (od 2018 i trenutno).

Dr. Dragana Budakov, Assistant Professor

Field of research: phytopathology

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Telephone: +381 21 4853 314

Academic qualifications

- **B.Sc. (2005)** - University of Novi Sad, Faculty of Agriculture
- **M.Sc. (2008)** - University of Novi Sad, Faculty of Agriculture
- **PhD (2014)** - University of Novi Sad, Faculty of Agriculture

Selected publications

1. Savic, Z., Dudas T., Loc M., Grahovac M., Budakov D., Jajic I., Krstovic S., Barosevic T., Krska R., Sulyok M., Stojšin V., Petres M., Stankov A., Vukotic J., Bagi F. (2020): Biological Control of Aflatoxin in Maize Grown in Serbia. *Toxins*, 12, 162.
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4. Szabo, B., Toth, B., Toldine, ET, Varga, M., Kovacs, N., Varga, J., Kocsube, S., Palagyi, A., Bagi, F., Budakov, D., Stojšin, V., Lazic, S., Bodroza-Solarov, M., Colovic, R., Bekavac, G., Purar, B., Jockovic, D., Mesterhazy, A. (2018): A New Concept to Secure Food Safety Standards against *Fusarium* Species and *Aspergillus Flavus* and Their Toxins in Maize. *Toxins*, 10 (9), 372.
5. Balazs, S., Toth, B., Toth, E., Varga, M., Kovacs, N., Varga, J., Kocsube, S., Palagyi, A., Bagi, F., Budakov, D., Stojšin, V., Lazić, S., Bodroža-Solarov, M., Čolović, R., Bekavac, G., Purar, B., Jocković, Đ., Mesterházy, A. (2018): A new concept to secure food safety standards against *Fusarium* species and *Aspergillus flavus* and their toxins in maize. *Toxins*.p.p. 1-25.
6. Janić-Hajnal, E.P., Belović, M.M., Plavšić, D.V., Mastilović, J.S., Bagi, F.F., Budakov, D.B., Jovana, J.J. (2015). Visual, instrumental and mycotoxicogal characterisation of wheat icocolated with and protected against *Altenaria* spp. *Hemijska industrija* 70 (3): 257-264.
7. Stojšin, V., Balaž, J., Budakov, D., Stanković, S., Nikolić, I., Ivanović, Ž. and Popović, T. (2015): First Report of *Pseudomonas syringae* pv. *aptata* Causing Bacterial Leaf Spot on Sugar Beet in Serbia. *Plant disease* 99 (2), 281.
8. Budakov, D., Nagl, N., Stojšin, V., Bagi, F., Danojević, D., Neher, O., Taški-Ajduković, K. (2014): Sensitivity of *Cercospora beticola* isolates from Serbia to carbendazim and flutriafol. *Crop Protection* 66, 120-126.
9. Bagi, F., Budakov, D., Bursić, V., Stojšin, V., Lazić, S., Vuković, S. (2014): Efficacy of azoxystrobin for the control of cucumber downy mildew (*Pseudoperonospora cubensis*) and fungicide residue analysis. *Crop protection*, 61, 74-78.
10. B. Kiprovski, Dj. Malenčić, M. Popović, V. Stojšin, D. Budakov, Ž. Čurčić, D. Danojević (2014): Correlation between lipid peroxidation and phenolics content in leaves and roots of sugar beet infected with *Rhizoctonia solani*. *Phytoparasitica* 42: 199-203.
11. Kiprovski, B., Malenčić, Đ., Popović, M., Budakov, D., Stojšin, V. and Balešević-Tubić, S. (2012): Antioxidant systems in soybean and maize seedlings infected with *Rhizoctonia solani*. *Journal of Plant Pathology*, 94 (2), 313-324.
12. Stojšin, V., Budakov, D., Jacobsen, B., Bagi, F., Grimme, E., Neher, O. (2011): Analysis of *Rhizoctonia solani* isolates associated with sugar beet crown and root rot from Serbia. *African Journal of Biotechnology* Vol. 10(82), pp. 19049-19055.

Selected projects

1. Biological control for safe food production – possibilities for Croatian community in Vojvodina. Provincial secretariat for higher education and scientific research, 2020 (leader).
2. BioSolAfla - Bioprocess solution for the production of biocontrol agent against aflatoxigenic *Aspergillus* species. The Science Fund of the Republic of Serbia, 2020-2022 (participant).
3. SAFETYCER - Strategies To Predict, Prevent And Reduce The Effect Of Fungal Contamination On Cereals Quality, Production And Food Safety, Project No: 2017-1-RO01-KA202-037215, Erasmus Plus, (participant).
4. Safe Food and Feed through an Integrated Toolbox for Mycotoxin Management, MyToolBox, Horizon 2020, 2016-2018 (participant)
5. Special supervision of new disease *Geosmithia morbida*, and its vector *Pityophthorus junlandis* according to Regulation on Program for plant protection measures in 2015., Ministry of Agriculture and environmental protection – Plant Protection Directorate, Projects for special supervision in 2015 (participant).
6. IPA Cross-border Co-operation Programme, HUSRB/1002/122/062, Improvement of safety of corn-based feedstuffs through using more resistant hybrids and management of corn processing, Toxfreefeed 2012-2013 (participant)
7. IPA Cross-border Co-operation Programme, HU-SRB/0901/2.2.1/045- SHAPE, Serbian-Hungarian Co-operation on Agrochemistry and Pest-control Education, (participant)
8. Sugar beet root rot in Vojvodina. PSNTR 114-451-2518 (participant)
9. Improvement of sugar beet lines, hybrids and production technology. TR-31015, 2011-2014, (participant).

Academic activities

- Teaching various subjects from the area of plant pathology at the undergraduate and postgraduate academic studies.

Memberships

- Plant Protection Society of Serbia

Other activities

- Language skills: English, German.
- Evaluator for assessment of biological efficacy of plant protection products (fungicides) authorized by the Ministry of agriculture, forestry and water management, Plant protection directorate.
- Head of Sub-Department for plant and environmental protection (from 2018).