

Nataša Duduk, Full professor

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Education

2008. Ph.D. Biotechnology	University of Belgrade, Faculty of Agriculture
2004. M.S. Biotechnology	University of Belgrade, Faculty of Agriculture
1998. B.S. Plant and food protection	University of Belgrade, Faculty of Agriculture

Academic career

2020 Full professor University of Belgrade, Faculty of Agriculture

Scientific field Plant pathology
<https://orcid.org/0000-0002-7490-1034>

Publications

Published 165 articles in national and international Journals and Symposium and Congress Proceedings (presented some selected references) –h index Scopus – 13.

Selected references:

1. Duduk, B., Stepanović, J., Franova, J., Zwolińska, A., Rekanović, E., Stepanović, M., Vučković, N., **Duduk, N.**, Vico, I. (2024): Geographical variations, prevalence, and molecular dynamics of fastidious phloem-limited pathogens infecting sugar beet across Central Europe. PLoS ONE 19(7): e0306136.
2. **Duduk, N.**, Vico, I., Kosovac, A., Stepanović, J., Ćurčić, Ž., Vučković, N., Rekanović, E. and Duduk, B. (2023): A biotroph sets the stage for a necrotroph to play: ‘*Candidatus* Phytoplasma solani’ infection of sugar beet facilitated *Macrophomina phaseolina* root rot. Frontiers in Microbiology 14:1164035.
3. Vučković, N., Vico, I., Duduk, B., **Duduk, N.** (2022): Diversity of Botryosphaeriaceae and *Diaporthe* species associated with postharvest apple fruit decay in Serbia. Phytopathology 112: 929-943.
4. Vasić, M., Vico, I., Jurick, W. M., Duduk, B., **Duduk, N.** (2022): The dual nature of *Lambertella corni-marisi* as an apple fruit pathogen and antagonist of *Monilinia* spp. Mycological Progress 21: 1-11.
5. Stojanović, S., Stepanović, J., Špirović Trifunović, B., **Duduk, N.**, Dojnov, B., Duduk, B., Vujčić, Z. (2022): Selection of non-mycotoxigenic inulinase producers in the group of black aspergilli for use in food processing. Food Technology and Biotechnology, 60: 421-433.
6. Žebeljan A., Vico I., **Duduk N.**, Žibera B., Urbanek Krajnc A. (2021): Profiling changes in primary metabolites and antioxidants during apple fruit decay caused by *Penicillium crustosum*. Physiological and Molecular Plant Pathology 113: 101586.
7. Žebeljan, A., **Duduk, N.**, Vučković, N., Jurick, W.M. II, Vico, I. (2021): Incidence, speciation, and morpho-genetic diversity of *Penicillium* spp. causing blue mold of stored pome fruits in Serbia. Journal of Fungi 7(12):1019.

8. Savić, I., Nikolić, M., Vico, I., Mladenović Drinić, S., **Duduk, N.**, Stanković, S. (2021): The morfological and molecular identification of *Fusarium verticillioides* causing fusariosis on wheat grain. *Genetika*, 53: 641-649.
9. Luković, J., Milijašević-Marčić, S., Hatvani, L., Kredics, L., Szűcs, A., Vágvölgyi, C., **Duduk, N.**, Vico, I., Potočnik, I. (2020): Sensitivity of *Trichoderma* strains from edible mushrooms to the fungicides prochloraz and metrafenone. *Journal of Environmental Science and Health, Part B*, 56: 54-63.
10. Duduk B., **Duduk N.**, Vico I., Stepanović J., Marković T., Rekanović E., Kube M., Radanović D. (2019): Chamomile floricolous downy mildew caused by *Peronospora radii*. *Phytopathology* 109: 1900-1907.
11. Žebeljan, A., Vico I., **Duduk N.**, Žiberna B., Urbanek Krajnc, A. (2019): Dynamic changes in common metabolites and antioxidants during *Penicillium expansum*-apple fruit interactions. *Physiological and Molecular Plant Pathology* 106:166-194.
12. Vasić, M., Vico, I., Jurick, W. M. II, **Duduk, N.** (2018): Distribution and characterization of *Monilinia* spp. causing apple fruit decay in Serbia. *Plant Disease* 102: 359-369.
13. **Duduk, N.**, Lazarević, M., Žebeljan, A., Vasić, M., Vico, I. (2017): Blue mould decay of stored onion bulbs caused by *Penicillium polonicum*, *P. glabrum* and *P. expansum*. *Journal of Phytopathology*, 165: 662-669.
14. **Duduk N.**, Markovic T., Vasic M., Duduk B., Vico I., Obradovic A. (2015): Antifungal activity of three essential oils against *Colletotrichum acutatum*, the causal agent of strawberry anthracnose. *Journal of Essential Oil Bearing Plants*, 18: 529-537.

Books

1. Vico I., **Duduk N.** (2020): Postžetvena patologija, Univerzitet u Beogradu – Poljoprivredni fakultet, Beograd. (Post-harvest Pathology, University of Belgrade - Faculty of Agriculture, Belgrade).

Patents

- 2022 Duduk B., Duduk N., Vico I., Stepanović J., Marković T., Rekanović E., Radanović D. (2022): Nova tehnologija zaštite kamilice od novog ekonomski značajnog patogena *Peronospora radii*. (New technology in control of *Peronospora radii* in chamomile)

Specialization and trainings

- 2001 - Training Course for Sustainable Agriculture Development Technicians in the Mediterranean Region and in the Balkan, Bari, Italy.
- 2002 - Dipartimento di Protezione delle Piante e Microbiologia Applicata, Università di Bari, Italy. 2005 - Department of Plant Pathology, Iowa State University, USA.
- 2012 – Genetic Improvement for Plant Resistance, Belgrade. 2012 –Physiopathology, Corce, Albania.
- 2013 - Clinical Field and Lab Plant Disease Diagnosis, Biological Control and Specimen Collection, Novi Sad.
- 2015 - Mycotoxins in Various Food Matrix, Belgrade. 2015. and 2016 - Building capacity of Serbian agricultural education to link with society - Tempus, CaSA.

Mentoring

- 2016 Miljan Vasić, defended PhD thesis: Characterization of *Monilinia* spp. pathogens of apple fruit in Serbia and different aspects of their control;
- 2023 Iva Savić, defended PhD thesis: Characterization of *Fusarium fujikuroi* species complex pathogens of small grain kernels in Serbia;
- 2020 Marina Lazarević, submitted PhD thesis: Species of the genera *Penicillium* and *Aspergillus* – causal agents of postharvest rot of onion bulbs;
- 2018 Nina Vučković, submitted PhD thesis: Phytopathogenic fungi from the families Botryosphaeriaceae and Diaporthaceae as causal agents of apple fruit rot in Serbia.
- 2022 Filip Bekčić, submitted PhD thesis: Fusarium wilt of red clover - characterization of the causal agents and cultivar susceptibility.

Research Projects (Grants)

- 2011 - Ministry of education, science and technological development: Razvoj integrisanih sistema upravljanja štetnim organizmima u biljnoj proizvodnji sa ciljem prevazilaženja rezistentnosti i unapređenja kvaliteta i bezbednosti hrane
- 2012 Identification of fungi causing postharvest decay of apple fruit during storage in Pennsylvania with implications for decay management. State Horticultural Association of Pennsylvania. (PAMP-13) - SHAP Research Committee funding
- 2013 – 2016 Building capacity of Serbian Agricultural Education to link with Society, (CaSa). TEMPUS 544072-TEMPUS-1-2013-1-RS-TEMPUS –SHEMES 4604
- 2021-2024 Rubbery Taproot Disease of Sugar Beet: Etiology, Epidemiology, and Control - SUGARBETY, IDEAS,7753882, Science fund of Republic of Serbia.

Membership Member of Plant Protection Society of Serbia, American Phytopathological Society.