GODA MIZERIENĖ

PERSONAL INFORMATION

Name, surname:	Goda Mizerienė
Phone no:	+370 5 272 9838
E-mail:	goda.mizeriene@gamtc.lt
	https://orcid.org/0000-0002-9548-5164
	https://www.researchgate.net/profile/Goda-Mizeriene
	https://www.linkedin.com/in/goda-mizerien%C4%97-5b2a1782

EDUCATION AND ACADEMIC DEGREE

- 2018-10-04 – PhD in Ecology and Environmental Science at Vilnius University, Vilnius (Lithuania). Topic of the thesis: "Characterization of populations of invasive pathogens – causal agents of three major forest tree diseases: alder decline, Dutch elm disease and ash dieback". Supervisor: dr. Vaidotas Lygis.
- 2011-2013 m. – Master degree in Microbiology and Biotechnology at Vilnius University, Vilnius (Lithuania)
  Topic: „Investigation into genetic population structure of Dutch elm disease agent *Ophiostoma novo-ulmi"*.
  Research was done at Nature Research Centre, Institute of Botany, Laboratory of phytopathogenic microorganisms.
  Research field: phytopathology, micology, microbiology, population structure of *Ophiostoma novo-ulmi*.
- 2007 – 2011 m. – Bachelor degree in Biology at Vilnius University, Vilnius (Lithuania)
  Topic: Fungal diversity found in damaged *Ulmus* sp. Wood.
  Research was done at Nature Research Centre, Institute of Botany, Laboratory of phytopathogenic microorganisms.
  Research field: phytopathology, micology, microbiology, isolation and identification of microorganisms found in damaged elm trees.

PROFESIONAL EXPERIENCE

- 2018 November – Present Researcher (Laboratory of Plant Pathology, Nature Research Centre, Vilnius, Lithuania)
- 2017 – 2018 October Junior researcher (Laboratory of Plant Pathology, Nature Research Centre, Vilnius, Lithuania)
- 2017 February – 2017 November Biologist Laboratory of Plant Pathology, Nature Research Centre, Vilnius, Lithuania)
- 2015 November – 2017 February Laboratory technician (Laboratory of Plant Pathogenic Microorganisms, Nature Research Centre, Vilnius, Lithuania)

RESEARCH INTERESTS

Isolation and identification of invasive fungal microorganisms. Research on theirs population genetic structures using molecular and bioinformatic analyses: MEGA11: Molecular Evolution Genetic Analysis (Tamura, Stecher and Kumar, ver.11), GeneMapper (AppliedBiosystems ver. 3.7), CLC Main workbench (QIAGEN), Geneious (Biomatters Limited, ver. R9), Unipro UGENE: a unified bioinformatics toolkit (Okonechnikov, K, Golosova O, Fursov M, the UGENE team ver. 44.0), GENODIVE (v. 2.0b27) software R softaware packages: poppR (v. 2.9.3), adegenet (v. 2.1.7), vegan (v. 2.6-2), ggplot2 (v. 2.2.1), ggtree (v. 3.6.2), phytools (v. 1.2-0), iNEXT (v. 3.0.0).

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science" database (with citation index):

- **Mizeriene, G**., Cerny, K., Zyka, V., Bakonyi, J., Nagy, ZA., Oliva, J., Redondo, MA., Corcobado, T., Martin-Garcia, J., Prospero, S. 2020. Patterns of Genetic Diversification in the Invasive Hybrid Plant Pathogen *Phytophthora* x *alni* and Its Parental Species *P. uniformis*. *Phytopathology* 110 (12) 1959-1969 , doi**:** 10.1094/PHYTO-12-19-0475-R

- Lygis, V., Prospero, S., Burokiene, D., Schoebel, CN., Marciulyniene, D., **Norkute, G**., Rigling, D. 2017. Virulence of the invasive ash pathogen *Hymenoscyphus fraxineus* in old and recently established populations. *Plant Pathology* 66 (5) **:** 783-791 doi**:**10.1111/ppa.12635

- Motiejunaite, J., Kutorga, E., Kasparavicius, J., Lygis, V., **Norkute, G**. 2016. New records from Lithuania of fungi alien to Europe. *Mycotaxon* 131 (1) 49-60, doi 10.5248/131.49

- Burokiene, D., Prospero, S., Jung, E., Marciulyniene, D., Moosbrugger, K., **Norkute, G**., Rigling, D., Lygis, V., Schoebel, CN. 2015. Genetic population of the invasive ash dieback pathogen *Hymenoscyphus fraxineus* in its expanding range. *Biological invasions* 17 (9) 2743-2756, doi: 10.1007/s10530-015-0911-6.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

- 2018–2019 **Researcher in Project**: "Biological control of forest invasive pathogens to preserve biodiversity in European noble forest and woodland ecosystems" (INVAZBIO). Lithuanian-Ukrainian bilateral cooperation science and technology program; project coordinator in Lithuania: Dr. Daiva Burokienė, Nature Research Centre Laboratory of Plant Pathology, Vilnius, Lithuania.
- 2021-2025 **Working Group Member** in COST Action CA20132: „Urban Tree Guard – Safeguarding European urban trees and forests through improved biosecurity" (UB3Guard); coordinator: dr. Johanna Witzell, Linnaeus University, Sweden.
- 2016–2018 **Working Group Member** in project: "Assessing the role of climate factors in association with spread of invasive *Phytophthora* species in forests and from urban landscapes. Nordic Forest Research SNS-121; coordinator: Dr. Michelle Cleary, SLU, Sweden.

- 2014–2018 **Working Group Member** in COST Action FP1401: "A global network of nurseries as early warning system against alien tree pests" (GLOBAL WARNING); coordinator: Dr. René Eschen, CABI, Switzerland.

INTERNSHIP AND TRAINING

- 2017.11.13 – 2017.12.01 Short-Term Scientific Mission COST action No. FP1401 "Global Warning – A global network of nurseries as early warning system against alien tree pests". In Swiss Federal Research Institute WSL, Birmensdorf, Switzerland
- 2014.10.20 – 2015.10.31 SCIEX project: „ALDERDECLINE - Occurrence and genetic diversity of the invasive alder pathogen Phytophthora alni s. l. in Switzerland and Lithuania". SCIEX NMSch - Scientific Exchange Programme NMS.CH (part of the Swiss Contribution to the New Member States of the EU). In Swiss Federal Research Institute WSL, Birmensdorf, Switzerland
- 2014.04.01–30 Short-Term Scientific Mission COST action No. FP1002 "PERMIT – Pathway Evaluation and pest Risk Management in Transport". In Julius Kühn Institut (JKI), Brunswiek, Germany.
- 2013.07.01–05 COST action No. FP 1002 "PERMIT – Pathway Evaluation and pest Risk Management In Transport" EU COST Training School 2013: Field and laboratory methods for detection of invasive pests and pathogens. Sarajevo, Bosnia and Herzegovina.

PARTICIPICATION IN SCIENTIFIC CONFERENCES

International Scientific Conferences

- **Norkutė, G.**, Jarašiūtė, A.**,** Sivickis, K., Burokienė, D. In vitro antagonistic dual-culture assays against causal agent of ash dieback *Hymenoscyphus fraxineus*, International conference "Smart Bio". 2019 may 2-4th., 2019, Kaunas, Lithuania.
- Čepukoit, D., **Norkutė, G.,** Sivickis, K., Burokienė, D. 2017: *Phytophthora* spp. on *Rhododendron* in Lithuania. 125th Anniversary Congress 2017 „IUFRO", September 18–22nd, 2017, Freiburg, Germany.
- Sivickis, K., Cepukoit, D., **Norkute, G.**, Burokiene, D. An importance of *Phytophthora* species of oak decline in Lithuania. 60th International conference for students of physics and natural sciences "Open Readings 2017". March 14–17th, 2017, Vilnius, Lithuania.
- Sivickis, K., Čepukoit, D., **Norkutė, G.**, Burokienė, D. An investigation of pathogenic fungi in *Quercus robur* L. in Lithuania. 23rd International scientific-practical conference "Human and nature safety". May 3–5th, 2017, Kaunas, Lithuania.
- **Norkutė, G.**, Čepukoit, D., Lygis, V., Prospero, S. *Phytophthora alni* s. l. and *Phytophthora plurivora* species complex virulence test on *Alnus glutinosa* seedlings, - International Conference of Young Scientists for Advance of Agriculture. November 11th, 2016, Lithuanian Academy of Science, Vilnius, Lithuania.
- Čepukoit, D., **Norkutė, G.**, Burokienė, D. 2016: A survey of *Phytophthora* species on *Rhododendron* plants. – International workshop "Current Issues of Plant Conservation". August 16–18th, 2016, Kaunas, Lithuania.
- Lygis, V., Rigling, D., Burokienė, D., Marčiulynienė, D., Schoebel, C.N., **Norkutė, G**. Virulence of *Hymenoscyphus fraxineus* isolates from Lithuanian (post-epidemic) and Swiss (epidemic) populations, - Joint IUFRO Working Party Meetings: 7.02.02 "Foliage, shoot and

stem diseases of forest trees" and 7.03.04 "Diseases and insects in forest nurseries". June 7-12th, 2015, SLU, Uppsala, Sweden.

- **Norkutė, G.**, Lygis, V., Prospero, S. *Phytophthora* diversity in declining alder stands in Lithuania and Switzerland, - Joint IUFRO Working Party Meetings: 7.02.02 "Foliage, shoot and stem diseases of forest trees" and 7.03.04 "Diseases and insects in forest nurseries". June 7-12th, 2015, SLU, Uppsala, Sweden.
- Lygis, V., Rigling, D., Burokienė, D., Marčiulynienė, D., Schoebel, C.N., **Norkutė G**. Virulence of *Hymenoscyphus fraxineus* isolates from Lithuanian (post-epidemic) and Swiss (epidemic) populations, - COST Action Nr. FP1103 FRAXBACK participants meeting-symposium, March 12-16th, 2015, University of Zagreb, Dubrownik, Croatia.

National Scientific Conferences

- Burokienė, D., Lygis, V., Matelis, A., **Mizerienė, G.,** Čepukoit, D., Sivickis, K. *Invaziniai fitopatogeniniai mikroorganizmai miškų ekosistemose. Gamtos tyrimų centro* mokslinė ataskaitinė konferencija „Naujos įžvalgos gamtos tyrimuose: nuo molekulės iki inovatyvių gamtonaudos sprendimų“. April 22nd, 2022, Vilnius Lietuva.
- Čepukoit, D., **Norkutė, G.**, Burokienė, D. Rododendrų (*Rhododendron* L.) fitoftorozė VU Botanikos sode. Tarptautinė mokslinė-praktinė konferencija „Gėlininkystės pokyčiai ir naujos technologijos“. April 28th, 2017, Vilnius, Lietuva.

PARTICIPATION IN STUDY PROCESS

Supervision of Bachelor Students

- Asta Jarašiūtė. Bachelor Thesis: „Study of the causal agento f ash dieback *Hymenoscyphus fraxineus* properties and search for antagonistic microorganisms“. 2018-2019.

(Vilnius University, Life Sciences Centre, Institute of Biosciences, Department of Microbiology and Biotechnology in Microbiology in Biotechnology studies)

- Agnė Kriaučiūnaitė. Bachelor Thesis: “Studies on the diversity of Phytophthora species causing alder decline” 2016-2017.

(Vilnius Tech, Faculty of Fundamental Sciences, Department of Chemistry and Bioengineering in Bioengineering studies).

OTHERS

Presentations for General Public (non-scientific presentations)

- **International microorganism day 2018.** „Slapti gamtos valdovai” (2018-09-17)
- **Researchers Night 2017.** In Nature Research Centre, Institute of Botany, Laboratory of Plant Pathology “Tapk mokslininko asistentu augalų patologijos laboratorijoje” (2017-09-29)
- **Researchers Night 2017**. In Nature Research Centre, Institute of Botany, Laboratory of Phytopathogenic Microorganisms “Pažvelkime į augalų ligų pasaulį iš arčiau” (2016-09-30)
- **Life Science Baltics 2016.** Litexpo, Vilnius (2016-09-14–15)