

Daiva Burokienė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2001 – 2007 Doctoral degree in Biomedical sciences, biology (01 B), microbiology, bacteriology, virology, mycology (B 230) / Vilnius University and the Institute of Botany, Lithuania.
“Virulence and genetic polymorphism of *Clavibacter michiganensis* subsp. *michiganensis*”, supervisor – dr. M. Vasinauskienė.

1997 – 1999 Master’s degree in Plant Physiology and Microbiology / Vilnius University, Lithuania.
“*Pseudomonas syringae* pv. *tomato* – a causal agent of bacterial speck in tomato plants in Lithuania”.
The work was accomplished in the Laboratory of Phytopathogenic Microorganisms of the Institute of Botany.

1993 – 1997 Bachelor’s degree in Biology / Vilnius University, Lithuania.
“Bacterial resistance to nickel and other heavy metals”.
The work was carried out at the Institute of Biochemistry, Laboratory of Genetic Engineering.

PROFESSIONAL EXPERIENCE

2017 07 – until now **Head of Laboratory of Plant Pathology**
Nature Research Centre

2017 04 – until now **Senior researcher**
(since 2017 07 01 – Laboratory of Plant Pathology)

2007 11 – 2017 04 **Researcher**
(since 2010 01 01 – Institute of Botany at the Nature Research Centre)

2006 03 – 2007 11 **Junior researcher**
Laboratory of Phytopathogenic Microorganisms, Institute of Botany

2001 03 – 2006 03 **PhD student**
Laboratory of Phytopathogenic Microorganisms, Institute of Botany

1999 09 – 2001 03 **Assistant**
Laboratory of Phytopathogenic Microorganisms, Institute of Botany

1997 08 – 1999 09 **Senior laboratory assistant**
Laboratory of Phytopathogenic Microorganisms, Institute of Botany

RESEARCH INTERESTS

Research area: detection and identification of bacterial and fungal plant pathogens as well as other endophytic and saprotrophic microorganisms using microscopic, biochemical and molecular analysis, isolation of pathogens in pure cultures, pathogenicity and virulence studies; isolation of DNA from different substrates (different types of soil, plant material, etc.), application of different PCR methods (MLST, rep-PCR, MP PCR, microsatellite analysis, etc.), sequencing, DNA fingerprinting, genomic and metagenomic analysis; population structure studies; search for chemical and biological control measures and research *in vivo* and *in vitro*.

PUBLICATIONS

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

1. Franic I., Prospero S., Adamson K., Allan E., Attorre F., Auger-Rozenberg M.A., Augustin S., Avtzis D., Baert W., Barta M., Bauters K., Bellahirech A., Boron P., Braganca H., Brestovanska T., Brurberg M.B., Burgess T., **Burokienė D.**, Cleary M., Corley J., Coyle D.R., Csoka G., Cerny K., Davydenko K., de Groot M., Diez J.J., Lehtijarvi H.T.D., Drenkhan R., Edwards J., Elsafy M., Eotvos C.B., Falko R., Fan J.T., Feddern N., Furjes-Miko A., Gossner M.M., Grad B., Hartmann M., Havrdova L., Horakova M.K., Hrabetova M., Justesen M.J., Kacprzyk M., Kenis M., Kirichenko N., Kovac M., Kramarets V., Lackovic N., Lantschner M.V., Lazarevic J., Leskiv M., Li H.M., Madsen C.L., Malumphy C., Matosevic D., Matsiakh I., May T.W., Meffert J., Migliorini D., Nikolov C., O'Hanlon R., Oskay F., Paap T., Parpan T., Piskur B., Ravn H.P., Richard J., Ronse A., Roques A., Ruffner B., Sivickis K., Soliani C., Talgo V., Tomoshevich M., Uimari A., Ulyshen M., Vettraino A.M., Villari C., Wang Y.J., Witzell J., Zlatkovic M., Eschen R. 2022. Worldwide diversity of endophytic fungi and insects associated with dormant tree twigs. – *Scientific Data*, 9 (1): art. no. 62. <https://doi.org/10.1038/s41597-022-01162-3>.
2. Mačionienė I., Čepukoit D., Šalomskienė J., Černauskas D., **Burokienė D.**, Šalaševičienė A., 2022: Effects of natural antimicrobials on *Xanthomonas* strains growth. – *Horticulturae*, 8(1): art. no. 7. <https://doi.org/10.3390/horticulturae8010007>.
3. Koebnik R., **Burokiene D.**, Bragard C., Chang C., Fischer-Le Saux M., Kölliker R., Lang J.M., Leach J.E., Luna E.K., Portier P., Sagia A., Ziegler J., Cohen S.P., Jacobs J.M., 2021: The complete genome sequence of *Xanthomonas theicola*, the causal agent of canker on tea plants, reveals novel secretion systems in clade-1 xanthomonads. – *Phytopathology*, 111(4): 611–616. <https://doi.org/10.1094/PHYTO-07-20-0273-SC>.
4. Mažeikienė I., Frercks B., **Burokienė D.**, Mačionienė I., Šalaševičienė A., 2021: Endophytic community composition and genetic-enzymatic features of cultivable bacteria in *Vaccinium myrtillus* L. in forests of the Baltic-Nordic region. – *Forests*, 12(12): art. no. 1647. <https://doi.org/10.3390/f12121647>.
5. Kelpšienė J., Šneideris D., **Burokienė D.**, Supronienė S., 2021: The presence of pathogenic bacteria *Pseudomonas syringae* in cereals in Lithuania. – *Zemdirbyste-Agriculture*, 108(4): 291–296. doi: 10.13080/z-a.2021.108.037.
6. Morales-Rodríguez C., Anslan Sten, Auger-Rozenberg M.A., Augustin S., Baranchikov Y., Bellahirech A., **Burokiene D.**, Cepukoit D., Cota E., Davydenko K., Doğmuş-Lehtijärvi H.T., Drenkhan R., Drenkhan T., Eschen R., Franić I., Glavendekic M., de Groot M., Kacprzyk M., Kenis M., Kirichenko N., Matsiakh I., Musolin D.L., Nowakowska J.A., O'Hanlon R., Prospero S., Roques A., Santini A., Talgø V., Tedersoo L., Uimari A., Vannini A., Witzell J., Woodward S., Zambounis A., Cleary M., 2019: Forewarned is forearmed: harmonized approaches for early detection of potentially invasive pests and pathogens in sentinel plantings. – *NeoBiota*, 47: 95–123. doi: 10.3897/neobiota.47.34276.

7. Lygis V., Rigling D., **Burokiene D.**, Prospero S., Marciulyniene D., Schoebel C. N., Norkute G., 2017: Virulence of the invasive ash pathogen *Hymenoscyphus fraxineus* in old and newly established populations. – *Plant Pathology*, 66: 783–791. doi:10.1111/ppa.12635.
8. Menkis A., **Burokienė D.**, Stenlid J., Stenström E., 2016: High-throughput sequencing shows high fungal diversity and community segregation in the rhizospheres of container-grown conifer seedlings. – *Forests*, 7: 44. doi: 10.3390/f7020044.
9. **Burokiene D.**, Prospero S., Jung E., Marciulyniene D., Moosbrugger K., Norkute G., Rigling D., Lygis V., Schoebel C.N., 2015: Genetic population structure 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.
10. Lygis V., Bakys R., Gustiene A., **Burokiene D.**, Matelis A., Vasaitis R., 2014: Forest self-regeneration following clear-felling of dieback-affected *Fraxinus excelsior*: focus on ash. – *European Journal of Forest Research*, 133: 501–510. doi: 10.1007/s10342-014-0780-z.
11. Menkis A., **Burokienė D.**, Gaitnieks T., Uotila A., Johannesson H., Rosling A., Finlay R.D., Stenlid J., Vasaitis R., 2012: Occurrence and impact of the root-rot biocontrol agent *Phlebiopsis gigantea* on soil fungal communities in *Picea abies* forests of northern Europe. – *FEMS Microbiology Ecology*, 81(2): 438–445. Online ISSN: 1574-6941. doi: 10.1111/j.1574-6941.2012.01366.x
12. **Burokienė D.**, Puławska J., 2012: Characterization of *Xanthomonas arboricola* pv. *juglandis* isolated from walnuts in Lithuania. – *Journal of Plant Pathology*, 94 (1, Supplement): S1.23–S1.27. ISSN: 1125–4653. doi: 10.4454/jpp.v94i1sup.005
13. Menkis A., **Burokienė D.**, 2012: Distribution and genetic diversity of the root-rot pathogen *Neonectria macrodidyma* in a forest nursery. – *Forest pathology*, 42: 79–83. Online ISSN: 1439–0329. doi: 10.1111/j.1439-0329.2011.00712.x
14. Menkis A., Lygis V., **Burokienė D.**, Vasaitis R., 2012: Establishment of ectomycorrhiza-inoculated *Pinus sylvestris* seedlings on coastal dunes following a forest fire. – *Baltic Forestry*, 18(1): 33–40. ISSN 1392–1355.
15. Lygis V., Bakys R., **Burokienė D.**, Vasiliauskaitė I., 2012: *Chondrostereum purpureum*-based control of stump sprouting of seven hardwood species in Lithuania. – *Baltic Forestry*, 18(1): 41–55. ISSN 1392–1355.

Scientific articles published in conference proceedings, indexed in „Clarivate Analytics Web of Science“ database:

1. Morkeliūnė A., Rasiukevičiūtė N., **Burokienė D.**, Valiuškaitė A. 2020. Application of *Salvia officinalis* and *Picea abies* essential oils for controlling *Colletotrichum* spp. – *The Proceeding of International Scientific Conference “Rural Development 2019”*: Research and Innovation for Bioeconomy: p. 46-50. doi: 10.15544/RD.2019.002. Vytautas Magnus University Agriculture Academy, ISSN 1822-3230. eISSN 2345-0916.

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (without citation index):

1. Grigaliūnaitė B., **Burokienė D.**, Matelis A., Stackevičienė E. 2010. Cancer diseases on birch (*Betula L.*) in Vilnius city green plantations. – *Acta Biologica Universitatis Daugavpiliensis*, Suppl. 2: 133–136. Daugavpils, Latvia, ISSN 1407-8953.
2. **Burokienė D.**, 2006: Early detection of *Clavibacter michiganensis* subsp. *michiganensis* in tomato seedlings. – *Agronomy Research*, 4: 151–154. ISSN 1406–894X.
3. **Burokienė D.**, Vasinauskienė M., Lukšienė Ž., 2006: Biophotonic technology for inactivation of tomato pathogen *Clavibacter michiganensis* subsp. *michiganensis*: preliminary results. – *Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft Berlin-Dahlem*.

– *Proceedings of the 1st International Symposium on Biological Control of Bacterial Diseases*, 23rd–26th October 2005, Darmstadt, Germany, 408: 182–184. ISSN 0067–5849.

4. **Burokienė D.**, Puławska J., Sobiczewski P., 2005: Genetic diversity of *Clavibacter michiganensis* subsp. *michiganensis* isolates from Lithuania. – *Phytopathologia Polonica*, 38: 79–90. ISSN 1230–0462.
5. **Burokienė D.**, Sobiczewski P., Berczyński S., 2005: Phenotypic characterization of *Clavibacter michiganensis* subsp. *michiganensis* isolates from Lithuania. – *Phytopathologia Polonica*, 38: 63–77. ISSN 1230–0462.

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks and etc.):

1. Kacprzyk M., Matsiakh I., Musolin D. L., Selikhovkin A. V., Baranchikov Y.N., **Burokiene D.**, Cech T., Talgø V., Vettraino A.M., Vannini A., Zambounis A., Prospero S. 2017. Damage to stems, branches and twigs of broadleaf woody plants. – In: Roques A., Cleary M., Matsiakh I., Eschen R. (eds). *Field guide for the identification of damage on woody sentinel plants*. Chapter 8: 104–134. ISBN 9781786394415. doi: 10.1079/9781786394415.0000.

Reviewed scientific articles, published in Lithuania:

1. **Burokienė D.**, Grigaliūnaitė B., Matelis A. 2010. Vyšnios (*Cerasus* Mill.) ligų sukėlėjai Lietuvoje. – *Dekoratyviųjų ir sodo augalų sortimento, technologijų ir aplinkos optimizavimas. Mokslo darbai*, 1(6): 31–35. ISSN 2029–1906.
2. Matsiakh I., Kacprzyk M., Musolin D.L., Selikhovkin A.V., Baranchikov Y.N., **Burokiene D.**, Vannini A., Talgø V., Prospero S., 2017: Damage to stems, branches and twigs of coniferous woody plants. – In: Roques A., Cleary M., Matsiakh I., Eschen R. (eds). *Field guide for the identification of damage on woody sentinel plants*. Chapter 13: 224–247. ISBN 9781786394415. doi: 10.1079/9781786394415.0224.
3. Vasinauskienė M., **Burokienė D.**, Snieškienė V., 2007: Lietuvoje augančių riešutmedžių (*Juglans* spp.) bakterinės ligos. – In: *Žvilgsnis į mikroorganizmų pasaulį: gamtamokslinio ugdymo priemonė* [sudarytojai: L. Kalėdienė, A. Lugauskas, O. Motiejūnaitė, J. Šalomskienė, J. Šyvokienė, A. Šuminienė]. – Vilnius, Lietuvos Respublikos švietimo ir mokslo ministerijos Švietimo aprūpinimo centras: 133–136. ISBN 978-9986-03-611-1.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

- | | |
|-------------|--|
| 2020 – 2022 | project leader in the Lithuanian-Slovenian bilateral cooperation in the field of science and technology. Project „Examination of fungal oxidases potential for lignin valorisation“ (project leader in Slovenia: Dr. Blaž Likozar, Department of Catalysis and Chemical Reaction Engineering, National Institute of Chemistry, Ljubljana. Slovenia). |
| 2019 – 2021 | co-investigator in the project of Nordic Forest Research Co-operation Committee (SNS) „Preventing the spread of new pathogens in Nordic forests to secure sustainable forestry in growing bioeconomy“. Project No. SNS-123. |
| 2020 | working group member in the project of North European Forest Mycologists (NEFOM, www.nefom.dk) „Headline for 2020: “Back to the roots” (https://nordicforestresearch.org/blog/2020/01/14/eight-networks-granted/). |
| 2019 | project leader in the Baltic-German University Liaison Office project „Consolidating approaches to mitigate the ash dieback disease in the Baltic States and Germany“. Project No. 2019/11. |

- 2018 – 2022 **management committee member** in **COST Action CA17128**: “Establishment of a Pan-European network on the sustainable valorisation of lignin (LignoCOST)”. Coordinator of the Action: Stichting Wageningen Search, Netherlands.
- 2018 – 2019 **project leader** in **Ukrainian-Lithuanian** Research and Development Joint Project “Biological control of forest invasive pathogens to preserve biodiversity in European noble forest and woodland ecosystems (InvazBio)”. Project No. S-LU-18-10.
- 2017 – 2021 **management committee member** in **COST Action CA16107**: “EuroXanth: Integrating science on *Xanthomonadaceae* for integrated plant disease management in Europe”. Coordinator of the Action: Institut de Recherche pour le Développement, France.
- 2017 – 2018 **working group member** in **EUPHRESCO** “*Chalara*, current situation”, representative from Lithuania. Project: 2016-C-227. Project coordinator: dr. Glyn Jones (FERA Science Ltd., UK).
- 2016 – 2019 **co-investigator** in the project of **Nordic Forest Research** Co-operation Committee (SNS) “Assessing the role of climate factors in association with spread of invasive *Phytophthora* species in forests and from urban landscapes”. Project No. SNS-121.
- 2014 – 2018 **management committee member** in **COST Action FP1401**: “A global network of nurseries as early warning system against alien tree pests (Global Warning)”. Coordinator of the Action: CABI (Centre for Agriculture and Biosciences International), Switzerland; participants from 32 COST countries.
- 2012 – 2016 **principal investigator** in the project of the **Lithuanian-Swiss** programme „Research and Development“. Join research project „Incidence of mycoviruses in epidemic and post-epidemic populations of the ash dieback pathogen *Chalara fraxinea* and evaluation of their potential for biological control of the disease (CONTROLDIEBACK)“. Project No. CH-3-ŠMM-01/12.
- 2012 **co-investigator** in the project of the **Nordic Forest Research** Co-operation Committee (SNS) “Risk assessment and establishment of a system to address potential pathogens in Nordic forestry as a result of climate change“. Project No. SNS-113.
- 2011 – 2016 **working group member** in **COST Action FP1103**: “*Fraxinus* dieback in Europe: elaborating guidelines and strategies for sustainable management (FRAXBACK)”. Coordinator of the Action: Swedish University of Agricultural Sciences (SLU), Sweden.
- 2010 – 2012 **co-investigator** in the project of **Nordic Forest Research** Co-operation Committee (SNS) ”Decline of *Fraxinus excelsior* in northern Europe” (subprogramme: “Uosis”). Project No. SNS-109.
- 2010 – 2011 **principal investigator** of the in the project financed by Research Council of Lithuania: ”Application of parasitic fungus *Chondrostereum purpureum* for stump sprouting control in hardwoods (BIOCHON)”. Project No. MIP-133.
- 2009 – 2011 **principal investigator** in the project of the **Programme “Ukraine”** „Forest regeneration and sustainability at the forest/steppe border, aimed to control desertification in Ukraine“. Subprogram: Svenska Institutets Visbyprogrammet (Visby programme of Swedish University). Project No. 00572/2009. Project coordinator: Swedish University of Agricultural Sciences (SLU), Sweden.
- 2008 – 2010 **principal investigator** in the **Lithuanian State Science and Studies Foundation** Priority program and experimental development program „Prokaryotes used for effective agriculture and their development for safe food production (PROKTECHAS)“. Project No. C-08018.
- 2007 – 2011 **co-investigator** in the project of the **Nordic Forest Research** Co-operation Committee (SNS) “Nordic co-operation in Forest Pathology organised as a virtual

Centre of Advanced Research (PATHCAR)”. Project No. CAR 1-2006.

- 2007 – 2009 **co-investigator** in the project of **European Community Coordination Action, FP6** “European Network on emerging diseases and threats through invasive alien species in forest ecosystems (FORTHREATS)”. European Commission FP6, Project No. 044436.
- 2006 – 2011 **management committee substitute member** in **COST Action 873**: „Bacterial diseases of stone fruits and nuts”. Coordinator of the Action: Agroscope, Wädenswil, Switzerland.
- 2006 – 2010 **co-investigator** in the project “Management of coastal forests of Lithuania: sustaining and enhancing forest health through silviculture (LITCOAST)”. European Commission, European Community Marie Curie Actions. Project No. MTKI-CT-2006–042622.

INTERNSHIP AND TRAINING

- 2019 - 08 / 09 At Institut de Recherche pour le Développement/Institute of Research for Development (IRD) (Montpellier, France)
- 2019 - 07 „Molecular typing of bacteria (MLST, NGS, 16S, etc.)“ at Zurich University of Applied Sciences (ZHAW) (Wädenswil, Switzerland).
- 2013 – 2015 At Swiss Federal Institute for Forest, Snow and Landscape Research (WSL) (Birmensdorf, Switzerland).
- 2009 – 2012 At Swedish University of Agricultural Sciences in Uppsala (Sweden).
- 2004 to 2010 At Research Institute of Pomology and Floriculture (Skierniewice, Poland)
- 2000 to 2001 At in the Laboratory of Gene Engineering of the Institute of Biotechnology (Vilnius, Lithuania).

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Čepukoit D., **Burokienė D.** 2022. Survey of pathogenic microorganisms on woody *Fabaceae* plants in Lithuania. – *IUFRO Conference Division 7 „Forest Health Pathology and Entomology“*, rugsėjis 6–9, Lisbon, Portugal. Book of Abstracts: 282. https://iufro-lisbon2022.com/images/abstracts/book-of-abstracts_iufro_forest-health_6_9-sept_2022.pdf
2. Čepukoit D., Kalužna M., **Burokienė D.** 2022. Screening of microorganisms for antagonistic activity against pathogenic bacteria *Xanthomonas* spp. – *14th International Conference on Plant Pathogenic Bacteria (ICPPB) “The Impact of Plant Pathogenic Bacteria on Global Plant Health”*, liepa 3–8, Assisi, Italy. Book of Abstracts: 144.
3. Bragard C., **Burokiene D.**, Chang C., Cohen S., Cunnac S., Le Saux M.F., Nagy I.K., Kölliker R., Lang J.M., Leach J.E., Luna E.K., Peduzzi C., Portier P., Sagia A., Ziegler J., Jacobs J.M., Koebnik R., 2021: Complete genome sequences of clade-1 xanthomonads reveal novel genetic traits in the genus *Xanthomonas*. – *In: 4th Annual Conference of the EuroXanth COST Action Integrating Science on Xanthomonadaceae for integrated plant disease management in Europe (EuroXanth 2021)*, June 28–30, Belgrade, Serbia. Book of Abstracts: 33. [DOI: 10.3929/ethz-b-000497647](https://doi.org/10.3929/ethz-b-000497647) [<https://doi.org/10.3929/ethz-b-000497647>]
4. Šalomskienė J., Čepukoit D., Mačionienė I., **Burokienė D.**, 2021: Influence of natural antimicrobials on *Xanthomonas* strains growth. – *4th Annual Conference of the EuroXanth COST Action, Integrating Science on Xanthomonadaceae for integrated plant disease*

management in Europe, June 28–30. Virtual conference.

5. Morales-Rodríguez C., Anslan S., Auger-Rozenberg M.-A., Augustin S., Baranchikov Yu., Bellahirech A., **Burokiene D.**, Cepukoit D., Çota E., Davydenko K., Doğmuş-Lehtijärvi H.T., Drenkhan R., Drenkhan T., Eschen R., Franić I., Glavendekić M., de Groot M., Kacprzyk M., Kenis M., Kirichenko N., Matsiakh I., Musolin D.L., Nowakowska J.A., O'Hanlon R., Prospero S., Roques A., Santini A., Talgø V., Tedersoo L., Uimari A., Vannini A., Witzell J., Woodward S., Zambounis A., Cleary M., 2020: Preventive detection of potentially invasive pests and pathogens in sentinel plantings. – *In: Dendrobiotic Invertebrates and Fungi and their Role in Forest Ecosystems. The Kataev Memorial Readings – XI. Proceedings of the All-Russia Conference with International Participation* (ed. by D.L. Musolin, N.I. Kirichenko, A.V. Selikhovkin). St. Petersburg (Russia): St. Petersburg State Forest Technical University, 2020. P. 225–226 (in Russian) and 227–228 (in English) [DOI: 10.21266/SPBFTU.2020.KATAEV]
6. Čepukoit D., Kałużna M., **Burokienė D.**, 2019: Molecular characterization of *Xanthomonas* spp. isolates detected in *Fabaceae* plants. – 3rd Annual Conference of the EuroXanth COST Action, Faculty of Horticulture, September 9–11, Lednice, Czech Republic.
7. Sivickis K., Raudonienė V., Matelis A., **Burokienė D.**, 2019: Study of enzymatic activity of wood-inhabiting fungi involved in lignin degradation. 3rd joined Working Groups and MC Meeting related to the CA17128 LignoCOST, November 13–14, Régua, Portugal.
8. Franić I., Prospero S., Adamson K., Allan E., Attorre F., Auger-Rozenberg M.-A., Augustin S., Avtzis D., Baert W., Barta M., Bauters K., Bellahirech A., Boroń P., Bragança H., Brestovanská T., Brurberg M.B., Burgess T., **Burokienė D.**, Černý K., Cleary M., Corley J., Coyle D.R., Csóka G., Davydenko K., Elsafy M.A.O., Eötvös C., de Groot M., Diez J.J., Doğmuş-Lehtijärvi H.T., Drenkhan R., Fan J.-T., Grad B., Hartmann M., Havrdova L., Hrabetova M., Justesen M.J., Kacprzyk M., Kenis M., Kirichenko N., Kramarets V., Lacković N., Lazarević J., Leskiv M., Li H., Madsen C.L., Malumphy C., Corrie L., Matošević D., Matsiakh I., Meffert J., Migliorini D., Mikó Á., Nikolov C., O'Hanlon R., Oskay F., Paap T., Parpan T., Petrakis P.V., Piškur B., Ravn H.P., Ronse A., Roques A., Sivickis K., Talgø V., Tomoshevich M., Uimari A., Ulyshen M., Vettraino A.M., Villari C., Wang Y., Witzell J., Zlatković M., Eschen R. 2018: Global patterns in insects and fungi of dormant twigs of native and exotic congeneric tree species. – 3rd Croatian Symposium on invasive species (with international participation), November 26–27, Zagreb, Croatia: 53–55. <http://www.ekolosko-drustvo.hr/3CSIS-book-of-abstracts.pdf>
9. Čepukoit, D., **Burokienė D.**, 2018: Survey of *Diaporthe* species on invasive *Fabaceae* plants in Lithuania. – Sentinel plantings for detecting alien, potentially damaging tree pests: State of the art 2018. COST FA1401 “Global Warning” conference, October 9–12, Swiss Federal Institute for Forest, Snow and Landscape Research, WSL, Sursee, Switzerland: 48. <http://www.ibles.pl/documents/3324416/10939391/Abstractband.pdf>
10. Franić I., Prospero S., Adamson K., Allan E., Attorre F., Auger-Rozenberg M.A., Augustin S., Avtzis D., Baert W., Barta M., Bauters K., Bellahirech A., Boroń P., Bragança H., Brestovanská T., Brurberg M.B., Burgess T., **Burokienė D.**, Černý K., Cleary M., Corley J., Coyle D.R., Csóka G., Davydenko K., Elsafy M.A. O., Eötvös C., de Groot M., Diez J.J., Doğmuş-Lehtijärvi H.T., Drenkhan R., Fan J.-T., Grad B., Hartmann M., Havrdova L., Hrabetova M., Justesen M.J., Kacprzyk M., Kenis M., Kirichenko N., Kramarets V., Lacković N., Lazarević J., Leskiv M., Li H., Madsen C.L., Malumphy C., Corrie L., Matošević D., Matsiakh I., Meffert J., Migliorini D., Mikó Á., Nikolov C., O'Hanlon R., Oskay F., Paap T., Parpan T., Petrakis P.V., Piškur B., Ravn H.P., Ronse A., Roques A., Sivickis K., Talgø V., Tomoshevich M., Uimari A., Ulyshen M., Vettraino A.M., Villari C., Wang Y., Witzell J., Zlatković M., Eschen R., 2018: Global patterns in insects and fungi of dormant twigs of native and exotic congeneric tree species. – Sentinel plantings for detecting alien, potentially damaging tree pests: State of the art 2018. COST FA1401 “Global Warning” conference, October 9–12, Swiss Federal Institute for Forest, Snow and Landscape Research, WSL, Sursee, Switzerland: 49. [https://www.friscris.be/en/publications/global-patterns-in-insects-and-fungi-of-dormant-twigs-of-native-and-exotic-congeneric-treespecies\(b9e97c59-2127-4beb-9ed3-4f02fe64dda0\).html](https://www.friscris.be/en/publications/global-patterns-in-insects-and-fungi-of-dormant-twigs-of-native-and-exotic-congeneric-treespecies(b9e97c59-2127-4beb-9ed3-4f02fe64dda0).html); <http://www.ibles.pl/documents/3324416/10939391/Abstractband.pdf>

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15. **Burokienė D.**, 2018: 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 Workshop, April 23–24, Tallin, Estonia.
16. **Burokienė D.**, 2018: The present situation and progress in the research of *Hymenoscyphus fraxineus* in Lithuania. – EUPHRESKO Chalara Workshop, February 26–27, Dublin, Ireland. https://www.euphresco.net/media/topic_descriptions/euphresco_topic_2016_c227.pdf
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National scientific conferences:

1. Dunovska J., Rinkevičiūtė I., Čepukoit D., **Burokienė D.**, 2022: Invazinių *Robinia pseudoacacia* ir *Cytisus scoparius* augalų endofitinių grybų įvairovė. Lietuvos mikrobiologų konferencija – „Mikrobiologija 2022“, Balandžio 28–29, Birštonas, Lietuva.
2. Juočytė L., Sivickis K., Čepukoit D., Matelis A., **Burokienė D.**, 2022: lietuvoje augančių *Quercus robur* mikroskopinių grybų įvairovė. Lietuvos mikrobiologų konferencija – „Mikrobiologija 2022“, Balandžio 28–29, Bironas, Lietuva.
3. Mačionienė I., Šalomskienė J., Čepukoit D., **Burokienė D.**, 2022: Antibacterial Activity of Some Lactic Acid Bacteria and Essential Oils on *Xanthomonas* Spp. Growth. Lietuvos mikrobiologų konferencija – „Mikrobiologija 2022“, Balandžio 28–29, Birštonas, Lietuva.
4. Čepukoit D., Gudžinskas Z., **Burokienė D.**, 2021: Invazinio augalo *Cytisus scoparius* (*Fabaceae*) mikrobiotos tyrimai. – 14-oji Lietuvos jaunujų mokslininkų konferencija „Bioateitis: gamtos ir gyvybės mokslų perspektyvos“, Lapkričio 25, Kaunas, Lietuva. https://www.lma.lt/uploads/files/2021-11-25%20BIOATEITIS%20prane%c5%a1im%c5%b3%20santraukos_internetui.pdf

PARTICIPATION IN THE STUDY PROCESS

Supervision of PhD students:

Science area: *Natural Sciences (N000)*. Science field: *Biology (N010)*

Dovilė	Research theme: “Invasive alien organisms: interaction between	2017-10-02 –
Čepukoit	host-plant (<i>Fabaceae</i>) and phytopathogenic microorganisms in	2023-09-30
	wildlife”	
Karolis	Research theme: „The role of <i>Phytophthora</i> genus oomycetes in	2016-12-01 –
Sivickis	the declining oak stands (<i>Quercus robur</i> L.) and ecology of these	2024-11-30
	pathogens“	
Matas	Research theme: „Evaluation of microorganisms as a biological	2019-12-23 –
Gavenauskas	agents against fungal pathogens of forest trees“	2021-03-31

Scientific consultant:

Mokslo sritis: *Žemės ūkio mokslai (A000)*. Mokslo kryptis: *Agromija (A001)*

Simona	Research theme: “The prevalence and development	2019-10-01 –
Chrapačienė	<i>Rhexocercosporidium carotae</i> (Årsvoll) U. Braun in field and	2023-09-30
	occurrence on stored carrot roots”. Supervisor dr. Neringa	
	Rasiukevičiūtė, scientific advisor dr. Daiva Burokienė	

Supervision of bachelor and master students:

Julija	Master thesis: “Endophytic fungi of the <i>Pinus</i> sp.” (Vilnius	2017 – 2018
Šepetovskaja	University; study program: Microbiology and Biotechnology)	

OTHERS

1. Grigaliūnaitė B., Matelis A., **Burokienė D.** 2021. Paprastojo ažuolo grybinių ligų sukėlėjai. *Mūsų girios*, 2(874): 14-15.
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3. GTC Augalų patologijos laboratorijos inf. 2019. Apginta disertacija – apie alksnių, uosių džiūtį ir guobų marą. *Mūsų girios*, 1: 19.