

Algirdas Ivanauskas

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2014 **Ph.D.**, Biomedical Sciences, Biology, Vilnius University, Nature Research Centre, Institute of Botany, Vilnius, Lithuania.
Dissertation: “Phytoplasmas and their insect vectors in Lithuania”.

2009 **M.S.**, Biology, Vilnius University, Faculty of Natural Sciences, Vilnius, Lithuania.
Concentrations: Microbiology

2007 **B.S.**, Biology, Vilnius University, Faculty of Natural Sciences, Vilnius, Lithuania.
Concentrations: Molecular biology.

PROFESSIONAL EXPERIENCE

2020-now Senior researcher, Nature Research Centre, Laboratory of Plant Pathology, Vilnius, Lithuania.

2017-2020 Researcher, Nature Research Centre, Laboratory of Plant Pathology, Vilnius, Lithuania.

2018-02-20 – 2018-06-30 Lecturer, Vilnius University, Life Sciences Center, Vilnius, Lithuania.

2014–2017 Researcher, Nature Research Centre, Laboratory of Plant Viruses, Vilnius, Lithuania.

2013–2014 Biologist, Nature Research Centre, Laboratory of Plant Viruses, Vilnius, Lithuania

2008-2009 Technician, Institute of Botany, Laboratory of Plant Viruses, Vilnius, Lithuania.

RESEARCH INTERESTS

The research of plant pathogenic bacteria – phytoplasmas using molecular biology methods. The elucidation of their biodiversity, genetic features, pathogenicity, insect and plant hosts, impact on their hosts and environment.

PUBLICATIONS

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

1. Ivanauskas, Algirdas; Valiūnas, Deividas; Rimšaitė, Jolanta; Danilov, Jurij; Šneideris, Donatas; Žižytė-Eidetienė, Marija; Wei, Wei. New genetically distinct phytoplasmas and insect carriers

associated with pine tree disease revealed by a survey in the Curonian Spit, Lithuania // Canadian journal of forest research. Ottawa : Canadian Science Publishing. ISSN 0045-5067. eISSN 1208-6037. 2022, vol. 52, iss. 1, p. 1-8. DOI: 10.1139/cjfr-2021-0152.

2. Wei W, Trivellone V, Dietrich CH, Zhao Y, Bottner-Parker KD, Ivanauskas A. Identification of Phytoplasmas Representing Multiple New Genetic Lineages from Phloem-Feeding Leafhoppers Highlights the Diversity of Phytoplasmas and Their Potential Vectors. *Pathogens*. 2021; 10(3):352. <https://doi.org/10.3390/pathogens10030352>

3. Šneideris, Donatas; Ivanauskas, Algirdas; Žižytė-Eidetienė, Marija; Valiūnas, Deividas. secA gene suitability for fast and easy identification of Phytoplasmas by RFLP analysis // European journal of plant pathology. Dordrecht : Springer. ISSN 0929-1873. eISSN 1573-8469. 2021, vol. 160, iss. 3, p. 737-743. DOI: 10.1007/s10658-021-02262-3.

4. Šneideris, Donatas; Ivanauskas, Algirdas; Prakas, Petras; Butkauskas, Dalius; Treikale, Olga; Kadžienė, Gražina; Rasiukevičiūtė, Neringa; Kelpšienė, Jurgita; Supronienė, Skaidrė. Population Structure of *Fusarium graminearum* Isolated from Different Sources in One Area over the Course of Three Years // *Phytopathology*. 3340 Pilot Knob Road, St. Paul, MN 55121 USA : The American Phytopathological Society (APS). ISSN 0031-949X. eISSN 1943-7684. 2020, Vol. 110, No. 7, p. 1312-1318. DOI: 10.1094/PHYTO-08-19-0298-R.

5. Valiūnas, Deividas; Jomantienė, Rasa; Ivanauskas, Algirdas; Šneideris, Donatas; Žižytė-Eidetienė, Marija; Shao, Jonathan; Yan, Zhao; Costanzo, Stefano; Davis, Robert E. Rapid detection and identification of ‘Candidatus *Phytoplasma pini*’-related strains based on genomic markers present in 16S rRNA and tuf genes // *Forest pathology*. Hoboken : Blackwell Publishing Ltd. ISSN 1437-4781. eISSN 1439-0329. 2019, vol. 49, iss. 6, p. 1-10. DOI: 10.1111/efp.12553.

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

1. Ivanauskas A, Rimsaite J, Danilov J, Soderman G, Sneideris D, Zizyte-Eidetiene M, Wei W, Valiunas D. A Survey of Potential Insect Vectors of Mountain Pine Proliferation Decline Phytoplasma in Curonian Spit, Lithuania. *Environmental Sciences Proceedings*. 2021; 3(1):81. <https://doi.org/10.3390/IECF2020-07977>

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

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

Reviewed scientific articles, published in Lithuania:

1. Jomantiene R., Ivanauskas A., Valiunas D., Urbanaviciene L., Sneideris D. 2016. Epidemics of group 16SrI-A phytoplasmas in a garden of Vilnius region in Lithuania. *Bot. Lith.* 22(1): 16-22.
 2. Ivanauskas A., Valiunas D., Ivinskis P., Rimšaitė J. 2014. Some data on cicadomorpha and fulgoromorpha (insecta, hemiptera) of Lithuania. *New and Rare for Lithuania Insect Species* 26, 26-30.
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PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

- 2015 2018 Primary implementer. “Establishment and diversity of a newly emerging cereal pathogen in the agroecosystem under the influence of changing climate and farming practices” (EDNEPA) according to the National Science Program “Sustainability of agricultural, forest and water ecosystems”.
- 2013 2015 Primary implementer. Research Council of Lithuania funded project, MIP-13287, „Molecular identification of conifer pathogens from UNESCO-protected Curonian Spit“.
- 2011 2012 Primary implementer. Research Council of Lithuania funded project, MIP-11070, „Characterization of phospholipases as potential factors of phytoplasma pathogenicity “.

INTERNSHIP AND TRAINING

- 2020-02-01 – 2023-07-31 ▪ Visiting scientist at USDA-ARS-MPPL, Beltsville, 20705, MD, USA.
- 2010-11-08 – 2010-11-26 „COST Short Term Scientific Mission to Di.Va.P.R.A.-Entomologia e Zoologia applicate all`Ambiente Carlo Vidano, University of Turin,Turin, Italy. (COST Action FA0807 Integrated Management of Phytoplasma Epidemics in Different Crop Systems).

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Ivanauskas, J. Rimsaite, J. Danilovas, G. Soderman, D. Sneideris, M. Zizyte-eidetiene, W. Wei, D. Valiunas. The 1st International Electronic Conference on Forests - Forests for a Better Future: Sustainability, Innovation, Interdisciplinarity, 15-30 November 2020 (abstract "A survey of potential insect vectors of mountain pine proliferation decline phytoplasma in Curonian Spit, Lithuania" in press).
2. Suproniene S., Kadziene G., Sneideris D., Ivanauskas A., Sakalauskas S., Svegzda P., Kelpsiene J., Pranaitiene S. 2017. Diversity of FHB causing Fusarium species from weeds of non-cereal crops. NJF Seminar 494 // Nordic Baltic Fusarium seminar, March 9 - 10, Riga, Latvia. Book of abstracts, 51.
3. Suproniene S., Kadziene G., Versuliene A., Sneideris D., Ivanauskas A., Kelpsiene J., Rasiukeviciute N. 2017. The influence of soil tillage and crop management in the agroecosystems on soil fungistasis against Fusarium graminearum. 12th EFPP (European Foundation for Plant Pathology) and 10th SFP (French Society for Plant Pathology) Conference „Deepen knowledge in plant pathology for innovative agroecology“, May 29 - June 2, Dunkerque, France. Book of abstracts 105. <https://efpp12sfp10.univ-littoral.fr/wp-content/uploads/2017/07/2.-Book-of-abstracts.pdf>

National scientific conferences:

1. Ivanauskas A. 2013. Phytoplasmas and their insect vectors in Lithuania. Conference for the young scientists „BIOATEITIS“: perspectives of the nature and life sciences. Vilnius. 2013-12-11. Awarded for the one of the best presentations.

PARTICIPATION IN THE STUDY PROCESS

Supervision of bachelor and master students:

- Kotryna Čekuolytė B. S.: „Molecular characterization of 16SrI-S and 16SrI-C subgroup phytoplasmas using *rpoB* and *secA* genes as complementary markers.” 2015 – 2017
- Tadas Ryška B. S.: „Identification and classification of phytoplasmas detected in mountain pine (*Pinus mugo*) and blueberry (*Vaccinium corymbosum*) using genetic markers.” 2016 2018

OTHERS

1. Indrė Urbonaitė, Deividas Valiūnas, Algirdas Ivanauskas, Rasa Jomantienė 2012-12-05. Galime netekti tokios Kuršių nerijos, kokią esame įpratę matyti. - Vakarų ekspresas.
2. Indrė Urbonaitė, Deividas Valiūnas, Algirdas Ivanauskas, Rasa Jomantienė 2014-07. Fitoplazma – klatinga Kuršių nerijos pušų kenkėja. Mūsų Girios.