

Karolis Sivickis

CONTACT INFORMATION

Address Akademijos Str. 2, Vilnius LT-08412, Lithuania
Tel. no.:
E-mail: karolis.sivickis@gamtc.lt

EDUCATION AND ACADEMIC DEGREE

2016 – till now PhD student in the field of Biomedical Sciences, Biology (01B) at University of Vytautas Magnus and the Institute of Botany at the Nature Research Centre (Vilnius, Lithuania). Title of PhD thesis: „The role of Phytophthora genus oomycetes in the declining oak stands (*Quercus robur* L.) and ecology of these pathogens”. Supervisor: dr. Daiva Burokienė. Field of research: phytopatology.

2013 – 2015 Master’s degree of Molecular biology and biotechnology, Vytautas Magnus University, Lithuania. Title of Master thesis: „The prevalence of tick born pathogens in small mammals in Lithuania”. Field of research: biology; molecular biology, tick born pathogens identification using molecular biology methods.

2009 – 2013 Bachelor’s degree in Biology, Vytautas Magnus University, Lithuania. Title of Bachelor thesis: “Genetic diversity of yellow necked mouse (*Apodemus flavicollis*) and wood mouse (*Apodemus sylvaticus*)”. Field of research: biology; molecular biology.

PROFESSIONAL EXPERIENCE

2021 06 – 2021 11 **Biologist**

2020 09 – 2021 06 **Junior scientist**

2017 12 – 2018 12 **laboratory technician**
(Plant pathology laboratory, Nature research Centre)

RESEARCH INTERESTS

Identification of fungi pathogens (also identifications of endophytic and saprotrophic microorganisms) using microscope, biochemist and molecular analysis, pathogen extraction and cultivation in the pure cultures; pathogenicity and virulence studies; DNA extraction from various substrates; sequence analysis; research of microorganisms population structural; search of biological control agents; *in vivo* and *in vitro* studies.

PUBLICATIONS

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

1. Kaya M, Bulut E, Mujtaba M, Sivickis K, Sargin I, Akyuz B, Erdogan S. 2016 Gender influences differentiation of chitin among body parts. Archives of Insect Biochemistry and Physiology, 93(2): 96-109

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

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:

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

- 2020 – 2022 **Work group member** COST Veiklos CA17128: “Establishment of a Pan-European Network on the Sustainable Valorisation of Lignin (LignoCOST)”. Action coordinator: dr. Stichting Wageningen Search, Netherlands.
- 2019 – 2021 **Work group member** Projekte “Preventing the spread of new pathogens in Nordic forests to secure sustainable forestry in growing bioeconomy”. Nordic Forest Research SNS-123; koordinatorius: Dr. Johanna Witzell, SLU, Sweden.

INTERNSHIP AND TRAINING

- 2020 m. 02 / 03 CA17128 - Establishment of a Pan-European Network on the Sustainable Valorisation of Lignin
- 2019 m. 02/03 „STSM-FP1406-180219-105648. Detection and identification of *F. circinatum* and other fungal pathogens on introduced *Pinus* spp.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. 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, 13-14th November, Régua, Portugal (submitted).
2. Čepukoit D., Šepetovskaja J., **Sivickis K.**, Burokienė D. 2019. Antagonistic microorganisms efficient for biological control of fungal pathogen of *Pinus* spp. 62nd International conference for students of physics and natural sciences “Open Readings 2019”, 19–22nd March, Vilnius, Lithuania: 438.

National scientific conferences:

1. Čepukoit D., Sivickis K., Kaluzna M., Burokienė D. 2019. Characterization *Xanthomonas* spp. isolates obtained from *Fabaceae* plants. – 62nd International conference for students of physics and natural sciences “Open Readings 2019”, kovas 19–22, Vilnius, Lietuva: 438. <http://www.openreadings.eu/wp-content/uploads/2019/03/abstractbook19.pdf>

PARTICIPATION IN THE STUDY PROCESS

Supervision of bachelor and master students:

Aostė Bachelor's degree; Detection and identification of pathogens 2017 – 2018
Čenkutė in tomato (*Solanum Lycopersicum* L.) leaves. (VGTU FMF,
Bioengineering study program)

OTHERS
