

Lukas Petrulaitis

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2015 – 2017 Vilnius University, Botany / Master studies.
Master thesis topic: “Diversity, distribution and population structure of the genus *Symphyotrichum* in Lithuania”.
Research was carried out at the Institute of Botany, Laboratory of Flora and Geobotany.
Research area: population structure, phytocenology, traits that lead to naturalization

2015 – 2017 Šiauliai University, Ecology and environmental sciences / Bachelor studies.
Darbo tema: “Diversity, ecology and distribution of the genus *Symphyotrichum* in Lithuania”.
Research was carried out at the Institute of Botany, Laboratory of Flora and Geobotany.
Research area: alien species, taxonomy; identification of critical taxa, morphometry.

PROFESSIONAL EXPERIENCE

2019 01 – 2022 12 **PhD student**
Laboratory of Flora and Geobotany, Institute of Botany

2016 05 – until now **Biologist**
Laboratory of Flora and Geobotany, Institute of Botany

RESEARCH INTERESTS

Population and distribution studies of native and alien species, experimental development work in the areas of invasive plant control and conservation of protected plant species. The object of research is alien and rare plant species, both in terrestrial and aquatic ecosystems. Also, taxonomically complex genera in Lithuania and neighbouring countries, characteristics of foreign and local woody plants determine their establishment in the southern part of the European hemiboreal.

PUBLICATIONS

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

1. Gudžinskas Z., **Petrulaitis L.**, Žalneravičius E. 2019. *Asclepias speciosa* (Apocynaceae, Asclepiadoideae): a rare or unrecognized alien species in Europe? – *PhytoKeys*, 121: 29–41. <https://doi.org/10.3897/phytokeys.121.33573>
2. Gudžinskas Z., **Petrulaitis L.**, Žalneravičius E. 2020. Emerging invasion threat of the liana *Celastrus orbiculatus* (Celastraceae) in Europe. – *NeoBiota*, 56: 1–26. <https://doi.org/10.3897/neobiota.56.34261>
3. **Petrulaitis L.**, Gudžinskas, Z. 2020. The first records of two alien woody species, *Cornus alternifolia* and *Cornus amomum*, in Lithuania. – *BioInvasions Records*, 9 (2): 384–392. <https://doi.org/10.3391/bir.2020.9.2.24>
4. Gudžinskas Z., **Petrulaitis L.**, Taura L. 2021. *Asclepias syriaca* (Apocynaceae) and its invasiveness in the southern part of the Boreal region of Europe – evidence from Lithuania. – *BioInvasions Records* (10) 2: 436–452. <https://doi.org/10.3391/bir.2021.10.2.22>
5. **Petrulaitis L.**, Rašomavičius V., Uogintas D., Gudžinskas Z. 2022. Soil Seed Bank of Alien and Native *Cornus* (Cornaceae) Taxa in Lithuania: What Determines Seed Density and Vertical Distribution in Soil? – *Diversity*, 14 (6): 488. <https://doi.org/10.3390/d14060488>

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

1. Gudžinskas Z., **Petrulaitis L.**, Žalneravičius E. 2017. New woody alien plant species recorded in Lithuania. – *Botanica Lithuanica*, 23 (2): 153–168. <https://doi.org/10.1515/botlit-2017-0017>
2. Gudžinskas Z., Žalneravičius E., **Petrulaitis L.** 2018. Assessment of the potential of introduction, establishment and further spread of invasive alien plant species of European Union concern in Lithuania. – *Botanica*, 24 (1): 37–48. <https://doi.org/10.2478/botlit-2018-0004>
3. **Petrulaitis L.**, Gudžinskas Z. 2018. What are we conserving? A case study of *Mentha longifolia* and allied species in Lithuania. – *Botanica*, 24 (1): 3–14. <https://doi.org/10.2478/botlit-2018-0001>
4. Gudžinskas Z., **Petrulaitis L.** 2021. New alien taxa of the genus *Cornus* (Cornaceae) recorded in Lithuania and Latvia. – *Botanica*, 28 (1): 100–108. <https://doi.org/10.35513/Botlit.2021.2.6>
5. **Petrulaitis L.** 2022. *Lotus maritimus* L. (Fabaceae), alien species new to Lithuania. – *Botanica*, 28 (1): 39–45. <https://doi.org/10.35513/Botlit.2022.1.5>

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2020–2022	biologist Investigations of the Status of Invasive and Alien Species in Lithuania.
2018–2020	habitats specialist Conservation of biodiversity in open wetland habitats of the LV-LT cross-border region applying urgent and long-term management measures.
2017–2018	assessor 2017–2018 Analysis of unintentional introduction and spread of the invasive alien species of the EU Concern in Lithuania and identification of the priority introduction pathways, implementing the Regulation of the European Parliament and of the Council (1143/2014) on the Prevention and management of the introduction and spread of invasive alien species.
2016–2018	co-author Preparation of the publication “Lithuanian Red Book”.

2016–2018 **assessor** Evaluation of protected animals, plants and mushrooms in Lithuania according to IUCN categories and preparation of species descriptions.

INTERNSHIP AND TRAINING

2022 07 „Forest genetic monitoring“, Lithuanian Research Centre for Agriculture and Forestry (LAMMC), Kaunas, Lithuania.

2022 03 „Integrative Taxonomy in the big Data Era“, Muséum national d'Histoire naturelle (MNHN), Paris, France.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. **Petrulaitis L.**, 2017. Ecology and invasiveness of *Symphyotrichum* species in Lithuania. – „9th International Conference on Biodiversity Research“, balandis 25–26, Daugavpils, Latvia. Book of Abstracts: 98. https://biodiversityconference.biology.lv/public/conferences/6/AB_2017.pdf
2. **Petrulaitis L.**, Gudžinskas Z. 2017. *Symphyotrichum* species possess potential threat to meadow habitats. – „14th Eurasian Grassland Conference: Semi-natural grasslands across borders“, liepa 4–11, Riga, Latvia. Book of Abstracts: 44. https://egc2017.namupro.de/sites/egc2017.namupro.de/files/images/Book_of_Abstracts_14_EGC.pdf
3. Gudžinskas Z., **Petrulaitis L.** 2018 Evaluation of *Celastrus orbiculatus* (Celastraceae) invasiveness: a case study. – „10th International Conference on Biological Invasions. New Directions in Invasion Biology“, rugsėjis 3–7, Dublin, Ireland. Book of Abstracts: 61. – https://na.eventscloud.com/file_uploads/db6fe9076cf680d794ca865581d89dd6_NEOBIOT_A_singlesV3_290818.pdf
4. **Petrulaitis L.**, Gudžinskas Z. 2021. The structure and density of *Cornus* seeds in the soil seed bank in Lithuania. – „The 63rd International Scientific Conference of Daugavpils University“, April 15–16, Daugavpils, Latvia. https://dukonference.lv/files/2021_978-9984-14-942-4_DU%2063%20starpt%20zinatn%20konf%20tezes.pdf
5. Kamaitytė-Bukelskienė L., **Petrulaitis L.**, Sinkevičienė Z. 2022. Recent distribution of *Najas minor* and *Najas flexilis* in Lithuania. – „The 64th International Scientific Conference of Daugavpils University“, April 21–22, Daugavpils, Latvia. Book of Abstracts: 11. https://dukonference.lv/files/Tezes_64.konf._labotas.pdf
6. **Petrulaitis L.**, Gudžinskas Z. 2022. Ecology and invasiveness of the genus *Cornus* in Lithuania. – „12th International Conference on Biological Invasions NEOBIOTA: Biological Invasions in a Changing World“, rugsėjis 12–16, Tartu, Estonia. Book of Abstracts: 118. https://www.elus.ee/wp-content/uploads/2022/09/NEOBIOTA-2022_Book-of-Abstracts.pdf
7. **Petrulaitis L.**, Gudžinskas Z. 2022. Silent invasion of *Cornus sanguinea* subsp. *australis* in Lithuania. – „2nd International Conference on Botany and Mycology“, rugsėjis 19–20, Sofia, Bulgaria. Book of Abstracts: 37 <https://icbotmyco.com/wp-content/uploads/2022/09/BOTMYCO-2022-Abstracts-Book.pdf>

National scientific conferences:

1. **Petrulaitis L.**, Gudžinskas Z., 2021. Biological traits of the genus *Cornus* that determine their naturalization in Lithuania. – 14th Conference of young researchers of Lithuania „Biofuture:

perspectives of nature and life sciences, November 24, Kaunas, Lithuania: 15.
https://www.lma.lt/uploads/files/2021-11-25%20BIOATEITIS%20prane%c5%a1im%c5%b3%20santraukos_internetui.pdf