

Liucija Kamaitytė-Bukelskienė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2020 until now Vilnius University and Nature Research Centre, doctoral studies in Natural Sciences, Ecology and environmental science (N012)
Studies theme: “Assessment of the population status of rare annual aquatic plants in the Baltic Upland and justification of their conservation measures”, scientific supervisor – dr. Z. Sinkevičienė, scientific consultant – dr. J. Butkuvienė.
Research area: Evaluation of population status of rare freshwater macrophytes using traditional and molecular methods.

2016–2020 Vilnius University, Biological diversity/ Masters.
Thesis: “Comparison of *Chara contraria* and *C.filiformis* oospore morphometry“
Research conducted: Nature Research Centre, Laboratory of Flora and Geobotany
Research area: Morphology of freshwater macrophytic algae.

2012–2016 Vilnius University, Biology / Bachelors.
Thesis: “Dynamics of essential oil content and percentage composition of pinene isomers in Norway spruce (*Picea abies*) needles during the growing season”
Research conducted: Nature Research Centre, Laboratory of Economic Botany
Research area: essential oils, gas chromatography, variation in the amount and composition of volatile substances during the vegetation period.

PROFESSIONAL EXPERIENCE

2020 12 until now **PhD student**
Nature Research Centre, Laboratory of Flora and Geobotany

2020 02 until now **Biologist**
Nature Research Centre, Laboratory of Flora and Geobotany

2015 12–2018 12 **Senior laboratory technician**
Nature Research Centre, Laboratory of Economic Botany

RESEARCH INTERESTS

Seed bank studies. Evaluating environmental factors influence on phenotypic properties using morphometric data. Geobotanical studies of plant communities. Studies on population ecology. Hybridization. Molecular methods: DNA extraction, PCR, qPCR, eDNA.

PUBLICATIONS

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

1. Kamaitytė-Bukelskienė L., Ložienė K., Labokas J. 2021. Dynamics of isomeric and enantiomeric fractions of Pinene in essential oil of *Picea abies* annual needles during growing season. – *Molecules*. 26 (8): art. no. 2138. <https://doi.org/10.3390/molecules26082138>.
2. Taura L., Kamaitytė-Bukelskienė L., Sinkevičienė Z., Gudžinskas Z. 2022. Study on the rare semiaquatic plant *Elatine hydropiper* (Elatinaceae) in Lithuania: Population density, seed Bank and conservation challenges. – *Frontiers in bioscience - Landmark*. 27 (5): art. no. 162, <https://doi.org/10.31083/j.fbl2705162>.
3. Butkuvienė J., Kamaitytė-Bukelskienė L., Naugžemys D.; Patamsytė J.; Sinkevičienė Z. 2022. First records and molecular confirmation of invasive species *Elodea nuttallii* (Planch.) H.St.John, 1920 in Lithuania. – *BioInvasions records*. 11 (4) <https://doi.org/10.3391/bir.2022.11.4.20>.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2020–2021 Impact of climate change on sustainability of aquatic vegetation in water courses with Ranunculion vegetation (habitat of European importance 3260) (No. S-SIT-20-1) **Work group member**

INTERNSHIP AND TRAINING

2020–2021 Open water diver (PADI) course with specialization in dry suit.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. **Kamaitytė-Bukelskienė L.**, Butkuvienė J., Naugžemys D. 2021. Impact of water transport on water courses with vegetation – habitat type 3260 of European importance. *64th International Conference for Students of Physics and Natural Sciences. “Open readings 2021”*. March 16-19, Vilnius, Lithuania. Book of abstracts: 356. https://www.openreadings.eu/wp-content/uploads/2021/03/Abstract_book_2021S.pdf
2. **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*. Book of abstracts: 11. https://dukonference.lv/files/Tezes_64.konf._labotas.pdf
3. **Kamaitytė-Bukelskienė L.**, Sinkevičienė Z. 2022. Comparison of *Chara filiformis* and *Chara contraria* oospore morphological parameters. Abstracts of the 23rd Meeting of the Group of European Charophytologists (16–19 August 2022). – *Environmental and Experimental Biology*. 20 (2) DOI:<https://doi.org/10.22364/eeb.20.13>.