

Zofija Sinkevičienė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

1982–1986
(1992) Institute of Botany
Doctor of Natural Sciences (biology, botany N013)
Doctoral thesis topic: "Vegetation of medium and small sized rivers of Lithuania", supervisor – hab. dr. G. Pauliukevičius.
Research area: botany; diversity of aquatic plant species and their communities

1973–1978 Vilnius University, Biology
Diploma thesis topic: "Flora and vegetation of the central part of the National Park (Ginučiai district)".
Vilniaus universitety, Faculty of Natural Sciences, Department of Botany and Genetics.
Research area: botany, investigation of plant species and communities diversity in protected area.

PROFESSIONAL EXPERIENCE

2017–present **Researcher**
Laboratory of Flora and Geobotany, Nature Research Centre, Institute of Botany

2013–2017 **Junior researcher**
Laboratory of Flora and Geobotany, Nature Research Centre, Institute of Botany

2010–2013 **Senior researcher**
Laboratory of Flora and Geobotany, Nature Research Centre, Institute of Botany

1994–2009 **Senior researcher**
Floros ir geobotanikos laboratorija, Institute of Botany

1992–1994 **Researcher**
Laboratory of Flora and Geobotany, Institute of Botany

1986–1992 **Junior researcher**
Laboratory of Flora and Geobotany, Institute of Botany

1982–1986 **Part-time postgraduate studies**
Laboratory of Flora and Geobotany, Institute of Botany

1978–1986 **Laboratory assistant**
Laboratory of Flora and Geobotany, Institute of Botany

RESEARCH INTERESTS

The scope of the research: diversity of wetland plants species and communities with focus on aquatic plant species; identification of complicated systematic groups of aquatic plants (e. g. Characeae, *Potamogeton*, *Batrachium*), using microscopic and molecular analysis; status of rare and endangered plants species populations and problems of their protection.

PUBLICATIONS

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

1. Bobrov A.A., Butkuvienė J., Chemeris E.V., Patamsytė J., Lambertini C., Aucina A., **Sinkevičienė Z.**, Naugžemys D. 2022. Extensive hybridization in *Ranunculus* section *Batrachium* (Ranunculaceae) in rivers of two postglacial landscapes of East Europe. *Scientific Reports*, 12 (1): art. no. 12088. <https://doi.org/10.1038/s41598-022-16224-0>.
2. 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): 1019–1030. <https://doi.org/10.3391/bir.2022.11.4.20>.
3. 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. DOI: [10.31083/j.fbl2705162](https://doi.org/10.31083/j.fbl2705162).
4. Landucci F., Šumberová K., Tichý L., Hennekens S., Aunina L., Biță-Nicolae C., Borsukevych L., Bobrov A., Čarni A., De Bie E., Golub V., Hrivnák R., Iemeljanova S., Jandt U., Jansen F., Kački Z., Lájer K., Papastergiadou E., Šilc U., **Sinkevičienė Z.**, Stancic Z., Stepanovič J., Teteryuk B., Tzonev R., Venanzoni R., Zelnik I., Chytrý M. 2020. Classification of the European marsh vegetation (Phragmito-Magnocaricetea) to the association level. *Applied Vegetation Science*, 23 (2): 297–316. <https://doi.org/10.1111/avsc.12484>.
5. Butkuvienė J., **Sinkevičienė Z.**, Naugžemys D., Žvingila D., Skridaila A., Bobrov A.A. 2020. Genetic diversity of aquatic *Ranunculus* (*Batrachium*, Ranunculaceae) in one river basin caused by hybridization. *Plants-Basel*, 9 (11): art. no. 1455. <https://doi.org/10.3390/plants9111455>.
6. Bučas M., **Sinkevičienė Z.**, Kataržytė M., Vaičiūtė D., Petkuvienė J., Stragauskaitė V., Ilginė R. 2019. How much can the occurrence and coverage of charophytes in an estuarine lagoon (Curonian Lagoon) be explained by environmental factors? *Estuarine Coastal and Shelf Science*, 216: 128–138. <https://doi.org/10.1016/j.ecss.2018.01.017>.
7. Butkuvienė J., **Sinkevičienė Z.**, Naugžemys D., Žvingila D. 2018. Floristic structure of two *Batrachium* rich plant communities in relation to habitat conditions in rivers of Lithuania. *Polish Journal of Ecology*. 66 (1): 1–13. <https://doi.org/10.3161/15052249PJE2018.66.1.001>.
8. Butkuvienė J., **Sinkevičienė Z.**, Naugžemys D., Patamsytė J., Žvingila D. 2017. Genetic diversity of *Batrachium* (Ranunculaceae) species reveals the necessity of their protection in Lithuanian rivers. *Aquatic Botany*, 142: 61–70. <https://doi.org/10.1016/j.aquabot.2017.06.009>.
9. **Sinkevičienė Z.**, Bučas M., Ilginė R., Vaičiūtė D., Kataržytė M., Petkuvienė J. 2017. Charophytes in the estuarine Curonian Lagoon: are there changes in diversity, abundance and distribution since late 1940s? *Oceanological and Hydrobiological Studies*, 46(2):186–198. <https://doi.org/10.1515/ohs-2017-0019>.

10. Landucci F., Šumberová K., Řezníčková M., Chytrý M., Aunina L., Biță-Nicolae C., Bobrov A., Borsukevych L., Brisse H., Čarni A., Csiký J., Cvijanović D., De Bie E., De Ruffray P., Dubyna D., Dimopoulos P., Dziuba T., Fitz Patrick Ú., Font X., Gigante D., Golub V., Hennekens S.M., Hrivnak R., Iemelianova S., Jandt U., Jenackovic D., Jansen F., Kački Z., Lájér K., Matulevičiūtė D., Mesterhazy A., Michalcova D., Paal J., Papastergiadou E., Properzi A., Radulovic S., Rodwell J.S., Schaminee Joop H.J., Silc U., Sinkevičienė Z., Stancic Z., Stepanovich J., Teteryuk, B., Tzonev R., Venanzoni R., Weekes L., Willner W. 2015. WetVegEurope: a database of aquatic and wetland vegetation of Europe. *Phytocoenologia*, 45 (1–2): 187–194. DOI: 10.1127/phyto/2015/0050.

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

1. **Sinkevičienė Z.**, Gudžinskas Z. 2021: Revision of the Characeae (Charales, Charophyceae) species and their distribution in Lithuania. – *Botanica*, 27(2): 95–124. <https://doi.org/10.35513/Botlit.2021.2.1>.
3. **Sinkevičienė Z.** 2019. Peculiarities of *Chara filiformis* (Charales, Charophyceae) distribution and oospore sizes in Lithuania. *Webbia*, 74(1): 133–138. <https://doi.org/10.1080/00837792.2019.1607501>.
4. **Sinkevičienė Z.** 2016. *Caldesia parnassifolia* – not extinct in Lithuania. *Botanica Lithuanica*, 22(1): 49–52. <https://doi.org/10.1515/botlit-2016-0004>.
5. Butkuvienė J., **Sinkevičienė Z.**, Žvingila D. 2014: *Batrachium* (Ranunculaceae) in the rivers of Lithuania. *Botanica Lithuanica*, 20(1): 46–56. <https://doi.org/10.2478/botlit-2014-0006>.
6. **Sinkevičienė Z.** 2013. Confirmation of *Utricularia australis* occurrence in Lithuania. *Botanica Lithuanica*, 19(2): 161–164. <https://doi.org/10.2478/botlit-2013-0020>.
7. **Sinkevičienė Z.**, Urbaitė-Maževič N. 2012. *Lychnothamnus barbatus* (Meyen) Leonh. in shallow Lake Šventininkai (Lithuania) – rediscovered after 50 years. *Biodiversity: Research and Conservation*, 25: 91–96. ISSN 2080-945X.
8. **Sinkevičienė Z.** 2011. First records of *Lemna turionifera* in Lithuania. *Botanica Lithuanica*, (17) 1: 59–61. ISSN 2029-932X.
9. Makavičiūtė J., **Sinkevičienė Z.** 2010. Initial data on populations of water lobelia (*Lobelia dortmanna*) in Lithuania. *Botanica Lithuanica*, 16(1): 13–20. ISSN 2029-932X.
10. Kostkevičienė J., **Sinkevičienė Z.** 2008. A preliminary checklist of Lithuanian macroalgae. *Botanica Lithuanica*, 14(1): 11–27. ISSN 2029-932X.
11. **Sinkevičienė Z.** 2004. Charophyta of the Curonian Lagoon. *Botanica Lithuanica*, 10(1): 33–57.
12. Gudžinskas Z., **Sinkevičienė Z.** 2002: *Glyceria lithuanica* (Poaceae) in Lithuania. *Botanica Lithuanica*, 8(3): 239–246. ISSN 2029-932X.

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

1. **Sinkevičienė Z.** 2010. Morphological variation in *Lychnothamnus barbatus* (Meyen) Leonh. in Lake Balsys (Lithuania). *Charophytes*, 2 (1): 25–30.
2. **Sinkevičienė Z.** 2003. *Chara globularis*. – In: Schubert H., Blindow I. (eds.). *Charophytes of the Baltic Sea*. Baltic Marine Biologists Publication No. 19: 99–106. ISBN 978-3-906166-06-3.

3. **Sinkevičienė Z.**, Blindow I., Koistinen M., Urbaniak J. 2003. *Chara virgata*. – In: Schubert H., Blindow I. (eds.). *Charophytes of the Baltic Sea*. Baltic Marine Biologists Publication No. 19: 142–148. A.R.G.Gantner Verlag. ISBN 978-3-906166-06-3.
4. **Sinkevičienė Z.**, Blindow I., Zhakova L. 2003. *Nitella mucronata* – In: Schubert H., Blindow I. (eds.). *Charophytes of the Baltic Sea*. Baltic Marine Biologists Publication No. 19: 193–197. A.R.G.Gantner Verlag. ISBN 978-3-906166-06-3.
5. Leht M., Tabaka L., **Sinkevičienė Z.** Lobeliaceae R. Brown.; Gavrilova, G., Kuusk, V., **Sinkevičienė Z.** Alismataceae Vent., Butomaceae Vent.; Eglite Z., Kuusk V., **Sinkevičienė Z.** Hydrocharitaceae A. L. Juss; Trei T., Gavrilova G., Suško U., **Sinkevičienė Z.** Potamogetonaceae Dumort.; **Sinkevičienė Z.** *Groenlandia* J. Gay.; Trei T., Gavrilova G., **Sinkevičienė Z.** Ruppiaceae A. L. Juss.; Trei T., Tabaka L., **Sinkevičienė Z.** Zosteraceae Dumort., Zannichelliaceae Dumort., Najadaceae A. L. Juss.; Krall, H., Tabaka, L., Sinkevičienė, Z. Arundineae Dumort., Lemnaceae S. F. Gray.; **Sinkevičienė Z.**, Krall H., Tabaka L. *Glyceria* R. Brown.; **Sinkevičienė Z.**, Kuusk V., Tabaka L. Sparganiaceae Rudolphi, Typhaceae A. L. Juss.; Tabaka L., Krall H., **Sinkevičienė Z.** *Scirpus* L., *Bolboschoenus* (Aschers.) Palla, *Schoenoplectus* (Reichenb.) Palla, Rhynchosporioideae Aschers. et Graebn. – In: Kuusk V., Tabaka L., Jankevičienė R. (eds.). 2003. *Flora of the Baltic countries*, 3: 27; 190–193; 194–195; 197–207; 207–208; 208–209; 209–211; 244–245, 318–320; 286–291; 320–324; 325–327, 335–337. Tartu. ISBN 9789985500446.
6. Tabaka L., **Sinkevičienė Z.** Trapaceae Dumort.; **Sinkevičienė Z.**, Kuusk V., Eglite Z. Primulaceae Vent.; **Sinkevičienė Z.**, Kuusk V., Šlangena Z. Menyanthaceae Dumort.; Tabaka L., Laasimer L., **Sinkevičienė Z.** Callitrichaceae Link.; Maemets A., Eglite Z., **Sinkevičienė Z.** Hippuridaceae Link., Lentibulariaceae L.C.Rich. – In: Kuusk V., Tabaka L., Jankevičienė R. (eds.). 1996. *Flora of the Baltic countries*, 2: 201–202; 243–249; 257; 284–287; 344–346. Tartu. ISBN 9789958830020.

Reviewed scientific articles, published in Lithuania:

1. **Sinkevičienė Z.** 2021. Skyrius Maurabragūnai (Charophyta) – Kn: Rašomavičius V. (red.). *Lietuvos Raudonoji knyga*: 311–316. Vilnius. ISBN 978-9955-37-230-1.
2. **Sinkevičienė Z.** 2021. Skyrius Induočiai augalai (Tracheophyta): *Isoetes lacustris*, *Nuhpar pumila*, *Caldesia parnassifolia*, *Najas flexilis*, *Najas minor*, *Potamogeton acutifolius*, *Potamogeton trichoides*, *Sparganium angustifolium*, *Glyceria lithuanica*, *Scolochloa festucacea*, *Myriophyllum alterniflorum*, *Aldrovanda vesiculosa*, *Lobelia dortmanna*, *Nymphoides peltata*, *Succisella infexa*, *Seseli annuum*. – Kn: Rašomavičius V. (red.). *Lietuvos Raudonoji knyga*: 375, 383, 385, 386, 387, 389, 390, 423, 443, 447, 454, 479, 520, 521, 531, 540. Vilnius. ISBN 978-9955-37-230-1.
3. **Sinkevičienė Z.** 2017. Onuškie apylinkių augalija. *Onuškis (34-oji „Lietuvos valsčių“ serijos monografija)*, p. 43–53. VšĮ „Versmės“ leidykla.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2021–2022 **researcher.** "Šepeta. Mire vegetation in the context of historical research and landscape changes" (Research Council of Lithuania, Lithuanian Studies

- Programme 2016–2024)
- 2019–2021 **researcher.** "On the inventory of plant species of European Community importance (State Service for Protected Areas under the Ministry of Environment).
- 2020–2021 **researcher.** „Impact of climate change on sustainability of aquatic vegetation in water courses with Ranunculus vegetation (habitat of European importance 3260). (Research Council of Lithuania, National Research Program “Sustainability of agro-, forest and water ecosystems”).
- 2015–2018 **researcher.** “Human impact on stability of vegetation in chosen river ecosystems in Lithuania”. (Research Council of Lithuania, National Research Program “Sustainability of agro-, forest and water ecosystems”).
- 2017–2018 **researcher.** “Preparation of a proposals for the assessment of Lithuanian protected animals, plants and mushrooms species according to the IUCN categories and description of species” (Ministry of Environment).
- 2014–2016 **researcher.** “Distribution of Charophytes in the Curonian Lagoon and impact of environmental factors“ (MAURAKUMA). (Research Council of Lithuania Research groups project (No. MIP – 040/2014).

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Kamaitytė-Bukelskienė L., **Sinkevičienė Z.** 2022. Comparison of *Chara filiformis* and *Chara contraria* oospore morphological parameters. – *23rd Meeting of the Group of European Charophytologists (GEC)*, 16–19 August, Ryga, Latvia. *Environmental and Experimental Biology, Abstracts*, 20(2): 132. <https://doi.org/10.22364/eeb.20.13>.
2. Kamaitytė-Bukelskienė L., Petrulaitis L., **Sinkevičienė Z.** 2022. Recent distribution of *Najas minor* and *Najas flexilis* in Lithuania. – *64th International Scientific Conference of Daugavpils University*, 21–22 April, Daugavpils, Latvia. Book of abstracts. https://dukonference.lv/files/Tezes_64.konf._labotas.pdf
3. **Sinkevičienė Z.** 2018. Peculiarities of *Chara filiformis* distribution in Lithuania. *22th Meeting of European Charophytologists (GEC22)*, 17–21 September, Palermo, Italy. Book of Abstracts: 54. <https://www.tandfonline.com/doi/full/10.1080/00837792.2019.1608009>
4. Landucci F., Šumberová K., **Sinkevičienė Z.**, Biță-Nicolae C., Čarni A., Golub V., Hájek M., Hájková P., Hrivnák R., Iemelianova S., Jansen F., Kački Z., Lájer K., Molina J.A., Oosterlynck P., Papastergiadou E., Šilc U., Stančić Z., Teteryuk B., Tzonev R., Venanzoni R., Theurillat J.-P., Chytrý M. 2021. The muddy journey continues... Further developments of the Project WetVegEurope. – *29th Conference of European Vegetation Survey, online conference*, 6–7 September. Abstracts: 45. <http://euroveg.org/download/evs/29/29th-Conference-European-Vegetation-Survey-2021-Abstracts.pdf>
5. **Sinkevičienė Z.**, Bučas M., Vaikutienė G., Ilginė R. 2016. Remains of charophytes and diatoms in the sediments of the Curonian Lagoon. – *7th International symposium on extant and fossil Charophytes*, August 31 – September 02, Astana, Kazakhstan. Abstracts: 25–6.

PARTICIPATION IN THE STUDY PROCESS

Supervision of PhD students:

Natural Sciences (N000). Ecology and environmental science (N012)

Liucija PhD thesis topic: "Assessment of the status of rare annual aquatic 2020-12-21 –
Kamaitytė- plant populations in the water habitats of the Baltic highlands and 2024-12-20
Bukelskienė justification of their protection measures"

Supervision of bachelor and master students:

Liucija Master thesis topic: "Comparison of morphological parameters of 2019 – 2020
Kamaitytė- *Chara contraria* and *Chara filiformis* oospores" (VU GMC,
Bukelskienė Biodiversity Studies Program)

OTHERS

1. 2017–2022. Expert on Charophytes, author from Lithuania in European Charophyte Monograph group (Internacional Research Group on Charophytes (IRGS), responsible for providing country information on Charophytes diversity, distribution, writing of the chapters. <http://www.sea.ee/irgcharophytes/wp-content/uploads/IRGC-NEWS-29.pdf>
2. **Sinkevičienė Z.** How aquatic plants hibernate. Newspaper *Žaliasis pasaulis*. 2021 01 21. Nr.3 (1209).
3. **Sinkevičienė Z.** Identification of aquatic plants. Lecturer services in the practical seminar "Aquatic plants, mosses, weeds. Their recognition and characterization". Vilnius, 12/-14-2021, 30 participants.