

Ilona Jukonienė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

1984 – 1993 PhD in Biology (Botany – N 013) in the Natural Sciences (Institute of Botany and Vilnius University).
Thesis topic: Mosses (Bryopsida) of Lithuania, supervisor - dr. A. Aboliņ.
Research area: diversity, ecology (associations with plant communities and substrates) and phenology of mosses.

1977 – 1982 University of Vilnius, biologist, lecturer in biology and chemistry.
Thesis topic. “Bryophytes of the Žalioji giria botanical-zoological reserve and their distribution in plant communities“.
The thesis was carried out at Vilnius University and Botanical Institute, Flora and Geobotany Laboratory.
Research area: bryophyte diversity and ecological affinity.

PROFESSIONAL EXPERIENCE

2013 06 – until **Researcher**
now Flora and Geobotany Laboratory, Institute of Botany, Nature Research Centre

1996 12 – 2013 06 **Senior Researcher**
Flora and Geobotany Laboratory, Institute of Botany (since 2010 01 01 01 - Institute of Botany, Nature Research Centre)

1994 01 – 1996 12 **Researcher**
Flora and Geobotany Laboratory, Institute of Botany

1991 03 – 1994 01 **Junior researcher**
Flora and Geobotany Laboratory, Institute of Botany

1984 11 – 1991 04 **The Aspirant**
Flora and Geobotany Laboratory, Institute of Botany

1982 08 – 1984 11 **Senior laboratory assistant**
Flora and Geobotany Laboratory, Institute of Botany

RESEARCH INTERESTS

Research interests: bryophyte diversity, ecology and distribution, population structure and status of rare bryophyte species, structure of mire vegetation and its long-term changes. Use of historical data of Lithuanian bryoflora in the assessment of vegetation changes in the context of landscape change, anthropogenic activities and climate change, development of bryological research in Lithuania and neighbouring regions.

PUBLICATIONS

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

1. **Jukonienė I.**, Kalvaitienė M., Rasimavičius M. 2022. On the distribution of some rare bryophyte species following revision of the K. Szafnagel collection. – *Herzogia*, 35 (1): 155–162. <https://doi.org/10.13158/heia.35.1.2022.155>
2. **Jukonienė I.**, Ričkienė A., Kalvaitienė, M., Rasimavičius M. 2022. Zapiski bryologiczne by Kazimierz Szafnagel and his herbarium in the historical context of bryological studies in Lithuania and adjacent regions. – *Acta Societatis Botanicorum Poloniae*, 91: art. no. 9127. <https://doi.org/10.5586/asbp.9127>
3. Kalvaitienė M., **Jukonienė I.** 2022. Habitat preferences of *Hamatocaulis vernicosus* at the junction of continental and boreal phytogeographical regions (Lithuania). – *Boreal Environment Research*, 27: 81–96.
4. Ochyra, R., **Jukonienė, I.**, Plasek, V., Sprainaitytė, S. 2021. New European discovery of *Splachnum pensylvanicum* (Bryophyta, Splachnaceae) in Lithuania, with taxonomic notes and a review of its world distribution. – *Plants*, 10 (12): art. no. 2823. <https://doi.org/10.3390/plants10122823>
5. Ellis L.T., Alatas, M., Alba W.R.A., Giraldo .AM.C., Amatov V., Batan N., Infante D.A.B., Burghart M., Czernyadjeva I.V., Kuzmina E.Y., Doroshina G.Y. Erata, H., Garilleti R., Gradstein S.R., **Jukonienė I.**, Erkul S.K., Keskin A., Ezer T., Lara F., Draper I., Maksimov A.I., Mammadova A.V., Natcheva R., Nemeth,C., Pantovic J., Sabovljevic M.S., Papp B., Poponess, S., Cogoni A., Porley R.D., Reiner-Drehwald M.E., Schafer-Verwimp A., Schmotzer A., Segota V., Alegro A., Rimac A., Stefanut S., Szurdoki E., Vilk E.F., Virchenko V.M., Bijlsma R.J., Callaghan,D.A. 2021 New national and regional bryophyte records, 67. – *Journal of Bryology*, 43 (3): 301–311. <https://doi.org/10.1080/03736687.2021.2002115>
6. Ellis L.T., Alikhadzhiev M.K ., Erzhapova R.S., Blom H.H., Bednarek-Ochyra H., Burghardt, M., Cano M.J., Czernyadjeva I.V., Kuzmina E.Y., Potemkin A.D., Doroshina G.Y., Danino D., Turcato C., Minuto L., Drapela, P., Dulin, M.V., Fuertes, E., Graulich, A., Hassel, K., Hedenas, L., Hofton, T.H., Hoitomt, **Jukonienė I.**, Kirmaci M., Koroleva N.E., Krajewski L., Kropik M., Kurschner,H., Kushnevskaya E.V., Larrain J., Lebouvier M., Maksimov A.I., Pisarenko O.Y., Plasek V., Skoupa Z ., Popov S.Y., Fedosov V.E., Stefanut S., Voncina G., Wierzgon M., Guo S.L. 2020. New national and regional bryophyte records, 64. – *Journal of Bryology*, 42 (4): 393–412. <https://doi.org/10.1080/03736687.2020.1831289>
7. Ellis, L.T., Afonina O.M., Czernyadjeva I.V., Ivchenko T.G., Kholod S.S., Kotkova V.M., Kuzmina E.Y., Potemkin A.D., Sergeeva Y.M., Asthna A.K., Gupt D., Sahu,V., Srivastava S., Bakalin V.A., Bednarek-Ochyra H., Campisi P., Dia M.G., Choi S.S., Dagnino D., Minuto L., Turcato C., Drapela P., Dugarova O.D., Tubanova D.Y., Enroth J., Koponen T., Klama H., Erdag A., Kirmaci M., Fedosov V.E., Hodgetts N.G., Holyoak D.T., **Jukonienė I.**, Konstantinova N.A., Savchenko A.N., Vilnet A.A., Krival E.A., Kurschner H., Lapshina E.D., Larrain J., Maksimov A.I., Marino M.L., Muller F., Pande N., Park S.J., Sun B.Y., Pivoras A., Plasek V., Puglisi,M., Sciandrello S., Rajian N.J., Suleiman M., Schafer-Verwimp,A., Shevock J.R., Spitale D., Stebel A., Taha M.A., Porley R.D. 2019. New national and regional bryophyte records, 61. – *Journal of Bryology*. 41 (4): 364–384. <https://doi.org/10.1080/03736687.2019.1673601>
8. Ellis L.T., Afonina, O.M., Doroshina G.Y., Agudelo C., Andriamiarisoa R.L., Asthana A.K., Gupta D., Gupta R., Rawat K.K., Sahu V., Aymerich P., Bednarek-Ochyra H., Bruges M.,

- Ruiz E., Saez L., Callaghan, D.A., Caspari, S., Drapela, P., Dugarova, O.D., Tubanova, D.Y., Erzberger P., Flores J.R., Suarez G.M., Fedosov V.E., Gospodinov G., Gradstein S.R., Reeb C., **Jukonienė I.**, Subkaitė M., Kucera J., Lee G.E., Lombo Y.J., Suarez K.Y., Lebouvier M., Majumdar S., Muller F., Nagy J., Norhazrina N., Papp B., Plasek V., Pocs T., Puglisi M., Schafer-Verwimp A., Shirzadian S., Singh D.K., Stefanut S., Torzewski K., van Melick H., Wolski G.J., Zander R.H. 2019 New national and regional bryophyte records, 58. – *Journal of Bryology*, 41 (1): 63–84. <https://doi.org/10.1080/03736687.2018.1559636>
9. **Jukonienė I.**, Rasimavičius M., Ričkienė A., Subkaitė M. 2018. S.B. Gorski's bryological collection in the Herbarium of Vilnius University. – *Acta Societatis Botanicorum Poloniae*, 87 (3): 3588. <https://doi.org/10.5586/asbp.3588>
 10. Ellis L.T., Afonina, O.M., Andriamiarisoa R.L., Bednarek-Ochyra H, Cykowska-Marzencka B., Stryjak-Bogacka M., Bell N.E., Boiko M., Callaghan D.A., Campisi P.G., Dia M.M., Marino L., Provenzano F., Eckstein J., Enroth J., Erzberger P., Ezer T., Gargano M.L, Ginzburg E., Górski P., Gradstein S.R. Reeb C., Hanoire C., Infante M. **Jukonienė I.**, Kushnevskaya E.V, Lebouvier M., Nagy J., Opmanis A., Plášek V., Skoupá Z., S. Sabovljevi, M., Sabovljević A.D., Shevock, J.R., Singh D.K., Majumdar S., Skudnik M., Uselienė A., Venturella G., Węgrzyn M., Wietrzyk P., Yoon Y.-J., Kim J.H, Yüce E. 2017. New national and regional bryophyte records, 53. – *Journal of Bryology*. 39 (4): 368-387. <https://doi.org/10.1080/03736687.2022.2143223>
 11. **Jukonienė I.**, Subkaitė M. 2017. Bryophytes and their distribution pattern in the Nagliai Strict Nature Reserve (Curonian Spit, Lithuania). – *Herzogia*. 30 (1): 16–35. <https://doi.org/10.13158/heia.30.1.2017.16>
 12. **Jukonienė I.**, Dobravolskaitė R., Sendžikaitė J., Skipskytė D., Repečkienė J. 2015. Disturbed peatlands as a habitat of an invasive moss *Campylopus introflexus* in Lithuania. – *Boreal Environment Research*. 20 (6): 724–734.
 13. Ellis L.T., Asthan A.K., Srivastava A., Bakalin V.A., Bednarek-Ochyra H , Cano M.J., Jiménez J.A., Alonso M., Deme J., Csiky J., Dia M.G., Campisi P., Erzberger P., Garilleti R., Gorobets K.V., Gremmen N.J.M., Jimenez M.S., Suárez G.M., **Jukonienė I.**, Kiebacher T., Kirmaci M., Koczur A., Kürschne H., Lara F., Mazimpaka V., Larraín J., Lebouvier M., Medina R., Natcheva R., Newsham K.K., Nobis M., Nowak A., Ören M., Özçelik A.D., Orgaz J.D., Peralta D.F., Plášek V., Číhal L., Ristow R., Sawicki J., Schäfer-Verwimp, A., Smith V.R., Stebel, A., Ștefănuț S., Subkaitė M., Sun B.Y, Uselienė A., Uyar G., Váňa J., Yoon Y. –J., Park S. J. 2015. New national and regional bryophyte records, 43. –*Journal of Bryology*. 37 (2): 128-146.
 14. Andriušaitytė D., **Jukonienė I.** 2013. Patterns of bryophyte diversity in arable fields of Lithuania. –*Acta Societatis Botanicorum Poloniae*. 82 (1): 57–65. <https://doi.org/10.1179/0373668715Z.000000000174>
 15. **Jukonienė I.**, Andriušaitytė D., Rašomavičius V. 2012. Bryophyte diversity and phenological aspects in different habitats of arable land. *Journal of food, agriculture & environment*. 10 (1): 718–725. <https://doi.org/10.5586/asbp.2013.001>
 16. **Jukonienė I.**, Dobravolskaitė R., Sendžikaitė J. 2012. Characteristics of atypical *Huperzia selago* subsp *arctica* habitats to the south of distribution area. *Acta Societatis Botanicorum Poloniae*. 81 (2): 87–92. <https://doi.org/10.5586/asbp.2012.016>
 17. Repečkienė J., Salina O., **Jukonienė I.** 2012. Microbial communities in disturbed peatlands colonized with invasive moss *Campylopus introflexus* (Hedw.) Brid. *Polish journal of ecology*. 60 (3): 503–514

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks:

1. **Jukonienė I.** (ed.) 2022. *Bryological notes by Kazimierz Szafnagel and his herbarium*. Gamtos tyrimų centras, Vilnius, 144 p.. ISBN 978-609-8255-08-09
https://gamtostyrimai.lt/lt/publications/neperiodiniai-leidiniai/new-folder_3/2022-m/bryological-notes-by-kazimierz-szafnagel-and-his-herbarium
2. **Jukonienė I.**, Subkaitė M., Uselienė A. 2021. Marchantiophyta, – In.: Rašomavičius V.(ed.) *Red Data Book of Lithuania*: 317–322. Lututė, Vilnius. ISBN 978-9955—37-228-8.
3. **Jukonienė I.**, Subkaitė M., Stončius, D., Uselienė. 2021. A. Bryophyta. – In.: Rašomavičius V. (ed.) *Red Data Book of Lithuania*: 290–382. Lututė, Vilnius.317–369.
4. **Jukonienė I.**(ed). 2018. *Bryological archives – Lithuanian heritage of science and natural history*, Gamtos tyrimų centras, Vilnius. 168 p. ISBN 978-9986-443-94-0.
https://gamtostyrimai.lt/en/publications/publications_1/books/2018/bryological-archiveslithuanian-heritage-of-science-and-nature-historybriologiniai-archyvailietuvos-mokslo-ir-gamtos-istorijos-paveldas
5. Jakštienė D., **Jukonienė I.** 2018. What does Kaunas Lagoon hide? Brioflora of flooded areas according to J. Pipinyss.. – In: Jukonienė, I. (ed.), *Bryological archives – Lithuanian heritage of science and natural history*: 135–152. Vilnius. . ISBN 978-9986-443-94-0
6. **Jukonienė I.** 2018. Jundziłł's contribution to the research on bryophyte diversity in Lithuania). – In: Jukonienė, I. (ed.), *Bryological archives – Lithuanian heritage of science and natural history*: 19–30. Vilnius. . ISBN 978-9986-443-94-0
7. **Jukonienė I.**, Ričkienė A. 2018. Zapiski bryologiczne“ by K. Szafnagl is the starting point for special bryological investigations in Lithuania. – In. Jukonienė, I. (ed.), *Bryological archives – Lithuanian heritage of science and natural history*: 54–61. Vilnius. . ISBN 978-9986-443-94-0
8. **Jukonienė I.** , Rasimavičius M. 2018. Bryological investigations carried out by A. Minkevičius: the rudiments or the basis for studying the bryoflora of Lithuania?– In. Jukonienė, I. (ed.), *Bryological archives – Lithuanian heritage of science and natural history*: 89–107. Vilnius. . ISBN 978-9986-443-94-0
9. **Jukonienė I.**, Ričkienė A. 2018. Bryological investigations in Klaipėda region. – In. Jukonienė, I. (ed.), *Bryological archives – Lithuanian heritage of science and natural history*: 74–88. Vilnius.
10. Ričkienė A., **Jukonienė I.** 2018. The origins of bryological studies in Lithuania and neighbouring countries. – In: Jukonienė, I. (ed.), *Bryological archives – Lithuanian heritage of science and natural history*: 5–18. Vilnius. . ISBN 978-9986-443-94-0
11. Ričkienė A., **Jukonienė I.** 2018. Bryological investigations at the University of Stefan Batory. – In. Jukonienė, I. (ed.), *Bryological archives – Lithuanian heritage of science and natural history*: 62–73. Vilnius. . ISBN 978-9986-443-94-0
12. Subkaitė M, **Jukonienė I.** 2018. Bryological aspect in the studies on mire vegetation in Lithuania at the beginning of the 20th century. – In. Jukonienė, I. (ed.), *Bryological archives – Lithuanian heritage of science and natural history*: 89–107. Vilnius. . ISBN 978-9986-443-94-0
13. Subkaitė M, **Jukonienė I.** 2018. Importance of herbarium data for the amendments of flora of protected areas. Bryoflora of the Žuvintas Strict Nature Reserve. – In. Jukonienė, I. (ed.), *Bryological archives – Lithuanian heritage of science and natural history*: 153–167. Vilnius. . ISBN 978-9986-443-94-0
14. **Jukonienė I.** 2003. *Mosses of Lithuania*. Botanikos instituto leidykla, Vilnius. 402 p. ISBN 9986-662-18-4.

Reviewed scientific articles, published in Lithuania:

1. **Jukonienė I.**, Kalvaitienė M., Bagušinskaitė A. 2022. Bryophyte diversity as an indication of habitat quality in two special areas of conservation on the outskirts of Vilnius (Verkiiai Regional Park), – *Botanica* (in press).
2. **Jukonienė I.**, Ričkienė A., Subkaitė M. 2019. Herbarium data on bryophytes from the Eastern part of Lithuania (1934-1940) in the context of science history and landscape changes. – *Botanica.* 25(1): 41–53. 10.2478/botlit-2019-0005

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

- | | |
|-------------|---|
| 2022–2024 | leader of the project "Šepeta. Mire vegetation in the context of historical research and landscape changes" ((Lithuanian Science Council, Lithuanian Studies Programme 2016–2024). |
| 2019 – 2022 | leader of the project "Sources of botanical research at the turn of the 19th and 20th centuries. K. Szafnagel's "Zapiski bryologiczne" and herbarium – research and publication". (Lithuanian Science Council, Lithuanian Studies Programme 2016–2024). |
| 2016 – | leader of the project "Unstudied bryological collections. Significance for the knowledge of the Lithuanian bryoflora and the assessment of the influence of landscape changes on its structure (Lithuanian Science Council, Lithuanian Studies Programme 2016–2024). |
| 2019-2022 | responsible promoter of the project "Inventory of plant species of European Community importance" (contract with State Service of Protected Areas under the Ministry of the Environment) |
| 2022 | leader of the project "Bryophyte inventory and surveys throughout the territory of the Curonian Spit National Park (contract with the Curonian Spit National Park) |
| 2010–2011 | leader of the project "Influence of the neophytic moss <i>Campylopus introflexus</i> on peatland community formation" (Lithuanian Science Council, National Science Programme "Lithuanian ecosystems: climate change and human impact") |

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. **Jukonienė I.**, Kalvaitienė M., Rasimavičius M., Ričkienė A. 2021. Findings in the Herbarium of Vilnius University: A historical collection of bryophytes. – International Scientific Conference dedicated to the 100th anniversary of the National Herbarium of Ukraine (KW) „Herbaria of the 21st century: Achievements and challenges“, 1 October, Kyiv, Ukraine. Proceedings: 136–140.
2. **Jukonienė I.**, Kalvaitienė M., Rasimavičius M., Ričkienė A. 2022. Historical data in the context of distribution of rare species: “Zapiski bryologiczne” by K. Szafnagel and his herbarium. – 10th conference of European Committee for Conservation of Bryophytes, 24-27th May, Zagreb, Croatia 2022. Book of Abstracts: 31.
3. **Jukonienė I.**, Subkaitė M. 2018. Historical data for assesment of the impact of landscae changes on bryophyte diversity in Lithuania. – Symposium “Europe’s cryptagams in a changing world – 50 years of research and protection of bryophytes and lichens in Central Europe, 20–22 April, Seckenberg Museum of Nayral History, Frankfurt am Main, Germany. Book of Abstracts: 20.

National scientific conferences:

1. **Jukonienė I.** Professor Antanas Minkevičius - the pioneer of moss research in Lithuania. – Conference to commemorate the 120th anniversary of A. Minkevičius, 1 December, .Vilnius, Lithuania. Conference material: 10–11.

PARTICIPATION IN THE STUDY PROCESS

Supervision of PhD students:

Scientific area: Natural Sciences (N000), field: Ecology and Environmental Science (N 012)

Monika Kalvaitienė	Plant associations in boreal and temperate marginal fens: the influence of environmental conditions and interrelationships	2017-10-02 – 2024-09-30
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Supervising bachelor's and master's theses

Agnė Mikalauskienė	Master's thesis topic "Diversity of the Aukštumala wetland sphagna in the context of anthropogenic impacts and new knowledge" (VU LSC, Biodiversity study programme)	2021–2022
Gabrielė Jociūtė	Bachelor thesis topic: "Sphagna of Acutifolia section in Lithuania: analysis of diversity, characters and distribution" (VU LSC, Biology study programme)	2018 – 2019
Monika Sukaitė	Master's thesis topic: Ecological conditions of <i>Hamatocaulis vernicosus</i> (Mitt.) Hedenäs (VU LSCC, Ecology study programme) a habitats and their influence on moss abundance and morphometric parameters	2015–2016
Kotryna Malikėnaitė	Master's thesis topic: Diversity and distribution of the genus <i>Grimmia</i> species in Lithuania (VU LSC, Botany study programme)	2015–2016

OTHER

Awards

2018 Tadas Ivanauskas nominal award of the Lithuanian Academy of Sciences (Nature Conservation) for the cycle of works "Bryological Archives - the Heritage of Lithuanian Science and Natural History"

Popular articles

1. Ričkienė A., **Jukonienė, I.** 2020. From the heritage of botanical science: K. Szafnagel and his "Bryological Notes". *Mokslo Lietuva*. 2020 m. rugpjūčio 6 d.
2. **Jukonienė, I.** Kalvaitienė, M., Rasimavičius, M. 2020. Valuable historical data on bryoflora. The moss collections of Kazimierz Szafnagel. *Kultūros barai*, 2020 12: 80-82.
https://docs.google.com/viewer?url=http://www.kulturosbarai.lt/uploads/news/id163/KB-2020-12_WEB.pdf
3. **Jukonienė I.** Kalvaitienė M., Rasimavičius M. 2021. Valuable historical data on vegetation. *Delfi plus*, 8 January 2021. <https://www.delfi.lt/plus/mokslas-inovacijos/vertingi-istoriniai-duomenys-apie-augalija.d?id=86168395>
4. **Jukonienė I.** 2021. A rare question: how do mosses overwinter?) *15 min.* 18 February 2021.
<https://www.15min.lt/naujiena/aktualu/zalias/retai-kylantis-klausimas-o-kaip-ziemoja-samos-1007-1457732>

5. The top ten species for 2022 have been selected. Do you know them all? Bryophyte of the year *Nowellia curvifolia* (described by **I. Jukonienė**, specialist at the Nature Research Centre). *Delfi* 2 February 2022. <https://www.delfi.lt/grynas/gamta/isrinktas-2022-uju-metu-rusiu-desimtukas-ir-metu-buveine-ar-visas-jas-zinote.d?id=89342671>

Broadcasts and interviews

1. Interview on Lithuania's Radio programme "Disposable Planet" 2022. <https://www.lrt.lt/mediateka/irasas/2000231593/vienkartine-planeta-desimt-organizmu-rusiu-ir-desimt-priezasciu-kodel>

Lectures and seminars

6. Lecture (State Forest Enterprise): 13 October 2020.: Woodland key bryophyte species and their identification. 13 October 2020
7. Workshop (State Service for Protected Areas) on aquatic plants, brown mosses, sphagna, their identification and characteristics 15 December 2021