

Reda Iršėnaitė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

1999 – 2003 Ph.D. Institute of Botany, Vilnius, Lithuania. Dissertation: Mycobiota of common oak (*Quercus robur* L.) in Lithuania (composition, structure, distribution).
1996 – 1998 M.Sc. Faculty of Natural Sciences, Vilnius University, Lithuania.
1992 – 1996 B.Sc. Faculty of Natural Sciences, Vilnius University, Lithuania.

PROFESSIONAL EXPERIENCE

2018 06 – until now Senior Researcher, Nature Research Centre
2015 06 – 2018 06 Researcher, Nature Research Centre
2008 06 – 2015 06 Senior Researcher. Institute of Botany (since 2010 Nature Research Centre)
2005 02 – 2008 06 Researcher, Institute of Botany
2003 05 – 2005 02 Junior Researcher, Laboratory of Mycology, Institute of Botany
1998 07 – 1999 10 Assistant, Laboratory of Mycology, Institute of Botany

RESEARCH INTERESTS

I'm interested in biodiversity, especially its conservation. Main research topics: identification of macromycetes; ecology of fungi growing on wood; mycorrhizae; problems of fungal conservation; practical applications of fungi. I focus on the study of rare fungi in forest ecosystems and the application of conservation and restoration measures. Another topic of interest is the ethnomycology of fungi and their resource use. Traditional methods of fungal microscopy, DNA barcoding and metacoding of environmental samples are used.

PUBLICATIONS

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

1. Mueller, G.; Cunha, K.M.; May, T.W.; Allen, J.L.; Westrip, J.R.S.; Canteiro, C.; Costa-Rezende, D.H.; Drechsler-Santos, E.R.; Vasco-Palacios, A.M.; Ainsworth, A.M.; Alves-Silva, G.; Bungartz, F.; Chandler, A.; Gonçalves, S.C.; Krisai-Greilhuber, I.; **Iršėnaitė, R.**; Jordal, J.B.; Kosmann, T.; Lendemer, J.; McMullin, T.; Mešić, S.; Motato-Vásquez, V.; Ohmura, Y.; Naesborg, R.R.; Perini, C.; Saar, I.; Simijaca, D.; Yahr, R.; Dahlberg, A. 2022. What do the first 597 global fungal Red List assessments tell us about the threat status of fungi?. – *Diversity*, 14(9), 736; <https://doi.org/10.3390/d14090736>

2. Petrauskienė, A; **Iršėnaitė, R**; Taraškevičius, R; Matulevičiūtė, D; Motiejūnaite, J. 2022. Significant impact of allochthonous nutrient loads on microarthropods in forest soils. *Forest Systems*, Volume 31, Issue 2, e015. <https://doi.org/10.5424/fs/2022312-19008>
3. **Iršėnaitė R.**, Kutorga E., Kvederavičiūtė K., Naujalis J. R. 2022. *Tricholoma joachimii* (Tricholomataceae, Basidiomycota), a rare European species new for the eastern Baltic region. – *Nova Hedwigia*, 144(1-2): 77-89. https://doi.org/10.1127/nova_hedwigia/2022/0674
4. Motiejūnaitė, J., Kačergius, A., Kasparavičius, Taraškevičius, R., Matulevičiūtė, D., **Iršėnaitė, R.** 2021. Response of ectomycorrhizal and other *Pinus sylvestris* root-associated fungi to the load of allochthonous material from a great cormorant colony. – *Mycorrhiza* 31, 471–481. <https://doi.org/10.1007/s00572-021-01034-5>
5. **Iršėnaitė R.**, Arslanova T., Kasparavičius J., Kutorga E., Markovskaja S., Matulevičiūtė D., Taraškevičius R., Motiejūnaitė J. 2019. Effects of a great cormorant colony on wood-inhabiting fungal communities in a coastal Scots pine forest. *Fungal Ecology*. 41: 82-91. <https://doi.org/10.1016/j.funeco.2019.03.010>
6. Motiejūnaitė J., Børja I., Ostonen I., Bakker M. R., Bjarnadottir B., Brunner I., **Iršėnaitė R.**, Mrak T., Oddsdóttir E.S., Lehto T. 2019. Cultural ecosystem services provided by the biodiversity of forest soils: a European review. – *Geoderma*, 343, 19-30. <https://doi.org/10.1016/j.geoderma.2019.02.025>
7. Nilsson R. H, Taylor A. F. S., Adams R. I., Baschien C., Bengtsson-Palme J., Cangren P., Coleine C., Daniel H-M., Glassman S.I., Hirooka Y., Irinyi L., **Iršėnaitė R.**, Martin-Sanchez P. M., Meyer W., Oh S-Y., Sampaio J.P., Seifert K. A., Sklenář F., Stubbe D., Suh S-O., Summerbell R., Svantesson S., Unterseher M., Visagie C. M., Weiss M., Woudenberg J. H. C., Wurzbacher C., den Wyngaert S. V., Yilmaz N., Yurkov A., Kõljalg U., Abarenkov K., 2018: Taxonomic annotation of public fungal ITS sequences from the built environment – a report from an April 10–11, 2017 workshop (Aberdeen, UK). – *MycKeys* 28: 65-82. <https://doi.org/10.3897/mycokeys.28.20887>
8. Halme P., Allen K. A., Auniņš A., Bradshaw R. H. W., Brūmelis G., Čada V., Clear J. L., Eriksson A-M., Hannon G., Hyvärinen E., Ikauniece S., **Iršėnaitė R.**, Jonsson B. G., Junninen K., Kareksela S., Komonen A., Kotiaho J. S., Kouki J., Kuuluvainen T., Mazziotta A., Mönkkönen M., Nyholm K., Oldén A., Shorohova E., Strange N., Toivanen T., Vanha-Majamaa I., Wallenius T., Ylisirniö A.-L., Zin E., 2013: Challenges of ecological restoration: Lessons from forests in northern Europe. – *Biological Conservation*, 167: 248–256. <https://doi.org/10.1016/j.biocon.2013.08.029>

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

1. **Iršėnaitė, R.** 2019. *Sarcodontia crocea* . The IUCN Red List of Threatened Species 2019: e.T147533826A148058863. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T147533826A148058863.en>
2. **Iršėnaitė, R.**, Kaľucka, I.L. & Olariaga Ibaruren, I. 2019. *Rhodotus palmatus* . The IUCN Red List of Threatened Species 2019: e.T70402359A70402387. <https://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T70402359A70402387.en>
3. **Iršėnaitė, R.** 2019. *Perenniporia medulla-panis* . The IUCN Red List of Threatened Species 2019: e.T147437401A148022549. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T147437401A148022549.en>
4. **Iršėnaitė, R.** 2019. *Stereopsis vitellina* . The IUCN Red List of Threatened Species 2019: e.T147535240A148142582. <https://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T147535240A148142582.en>

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2022 – 2024	Project leader „Forgotten diversity in Lithuania: fungi and lichens - from cultural concepts to data systems (ETNOMIKO)” Research Council of Lithuania
2020 – 2022	Project leader „Assessment of the conservation status of endangered fungus <i>Flaviporus citrinellus</i> in Lithuania” The Mohamed bin Zayed Species Conservation Fund.
2019 – 2020	Principal Investigator Žuvintas Biosphere Reserve funded project "Mushroom inventory in Žuvintas Biosphere Reserve"
2017 – 2020	Participant „Defining taxonomic identity, ecology and distribution of fungi in coniferous forests (FUNGID)”. Research Council of Lithuania
2017 – 2019	Project leader „Distribution of vulnerable fungus <i>Hydnellum gracilipes</i> in old pine-dominated forests in Lithuania”. The Mohamed bin Zayed Species Conservation Fund
2012 – 2014	Participant „Colony of Great Cormorants in forest ecosystem – hypertrophication effect and rates of dynamic (KOREKO)” Research Council of Lithuania, National research programme ‘Ecosystems in Lithuania: Climate Change and Human Impact’.

INTERNSHIP AND TRAINING

2019 01	Training “Identifying and publishing HTS/Sanger DNA sequence datasets” Dragør, Denmark.
2018 01	Nordic Network of Forest Mycologists (NEFOM) collaborative meeting, Oulanka Research Station, Finland.
2016 09	Workshop „Megadiverse communities – from patterns to explanations“. Konnevesi Research Station of the University of Jyväskylä, Konnevesi, Finland
2014 01-02	Research visit (funded by Lithuanian Research Council) for research of next-generation sequencing methods in Duke University, North Carolina, USA
2013 04	European Union-funded Integrated Activities Grant (SYNTHESSYS, GB-TAF), Kew, United kingdom
2008 11	European Union-funded Integrated Activities Grant (SYNTHESSYS, DK-TAF), Copenhagen, Denmark.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. **Iršėnaitė R.**, Kvedaravičiūtė K., Kasparavičius J., Motiejūnaitė J. 2020. Monitoring of potentially invasive macrofungi - novel versus traditional methods. – 11th International Conference on Biological Invasions The Human Role in Biological Invasions - a case of Dr Jekyll and Mr Hyde? Vodice, Croatia, 15 – 18 September, 2020. Book of Abstract: 139. ISBN 978-953-6202-15-7.
2. Motiejūnaitė J., **Iršėnaitė R.**, Džekčioriūtė-Medeišienė V., Grigaitė O. 2018. Living on poor soil: where mushrooms are essential providers of cultural ecosystems services. – State of the World’s Fungi Symposium. Kew, UK. 13-14 September, 2018. Abstract book: 66.
3. Motiejūnaitė J., **Iršėnaitė R.**, Buožytė R., Kasparavičius J. 2018. Long-term effect of experimental drought and nitrogen addition manipulations on ectomycorrhizal fungi. – FP1305 Biolink Cost Action Annual Meeting, Soil biodiversity and European woody agroecosystem. 14-16 Marth, 2018, Granada, Spain. Abstract book: 106..

4. **Iršėnaitė R.**, Saprophytic fungi in urban environment – dead wood as key habitat. 2018. International conference „Dendrology and urban landscaping“ Vilnius University Botanical Garden, Vilnius, 15 November, 2018.
5. Motiejūnaitė J., Bakker M. R., Børja I., Mrak T., **Iršėnaitė R.** 2017. Forest fungi and human culture in Europe. 25-29 September, 2017, Gdańsk, Poland. Book of abstracts: 16.
6. Kasparavičius J., **Iršėnaitė R.**, Arslanova T., Kutorga E., Markovskaja S. 2017. Trophic group ratio changes of fungi in the edge of great cormorant colony in a pine forest. 25-29 September, 2017, Gdańsk, Poland. Book of abstracts: 30.

PARTICIPATION IN THE STUDY PROCESS

Scientific consultant:

Ramūnas Dissertation „Deadwood formation and accumulation in forests of 2016 – 2017
Mazėtis different land uses“

Supervision of bachelor and master students:

Diana Bachelor thesis „Fungi of the Neris Woodland Key Habitat“ (VU) 2015 – 2016
Sabaitė

OTHERS

Member of the Lithuanian Mycological Society (LMD); Member of the International Society for the Conservation of Fungi (ISFC); Member of the Fungi Group of the Species Specialist Commission (SSC) of the International Union for the Conservation of Nature (IUNC).

Advising ecologists of protected areas, staff of Ministry of the Environment, and the public on fungal species identification and conservation measures

2020 Expert assessment of the status of Woodland Key Habitats (WKH) after sanitary logging

2022 09 Lecture "Mushroom Kingdom in the Dzūkai Hills" at the Varėna Mushroom Festival

2019 09 Lecture "Peculiarities of mushroom knowledge" at the event "Species Rally 2019", Biržai Regional Park, Biržai district

2019 10 Workshop "Knowledge of bracket fungi" for ecologists and arborists of protected areas. Dūkštų Oak Forest, Vilnius district

2019 Expert workshop for the assessment and completion of the Red List of International Fungi. International Union for Conservation of Nature (IUCN), Cambridge, United Kingdom

2018 09 Practical lecture "The mysterious world of mushrooms" in frame of project No.LLI-349 "Learn Eco Travel" Interreg Latvia-Lithuania project LLI-349 "Development of eco-tourism by using water resources in Latvia and Lithuania"/LEARN ECO TRAVEL

2018 04 Lecture at the Curonian Spit National Park Visitor Centre on the „Curonian Spit's characteristic, rare and specific mushrooms“.