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 – now	Senior Researcher, Nature Researce Centre
2015 06 – 2018 06	Researcher, Nature Researce Centre
2008 06 – 2015 06	Senior Researcher. Institute of Botany (since 2010 Nature Researce 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

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

1. Svantesson S., Tondeleir L., Kulju M., Iršėnaitė R., Lindahl B. D., Helo T., Larsson K.-H., Ryberg M., 2025. Five new species in Piloderma (Atheliales, Basidiomycota) and epitypification of P. byssinum. – Fungal Biology, 129 (2): 101531. https://doi.org/10.1016/j.funbio.2024.101531
2. Motiejūnaitė J., Džekčioriūtė V., Kutorga E., Kasparavičius J., Iršėnaitė R., 2024. Diversity of ethnomycological knowledge and mushroom foraging culture in a small nation: case of

Lithuania. – Journal of Ethnobiology and Ethnomedicine, 20: 88. https://doi.org/10.1186/s13002-024-00730-8

3. Markovskaja S, Iršėnaitė R, Kačergius A, Sauliutė G, Stankevičiūtė M., 2024. Diversity of fungus-like stramenopilous organisms (Oomycota) in Lithuanian freshwater aquaculture: Morphological and molecular analysis, risk to fish health. – Journal of Fish Disease, 47(3): e13903. https://doi.org/10.1111/jfd.13903
4. 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
5. Petrauskiene, A; Iršėnaitė, R; Taraškevičius, R; Matulevičiūte, 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
6. 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
7. 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
8. 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
9. 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
10. Motiejūnaitė J., Buožytė R., Adamonytė G., Iršėnaitė R., Kasparavičius J., Kutorga E., Markovskaja S., Stakėnas V., Klyukina E. 2018: Residual Effect of Induced Water Stress and Nitrogen Addition on the Mycobiota in Scots Pine Stands. - Russian Journal of Ecology, 49 (3): 236–241. https://doi.org/10.1134/S1067413618030050
11. 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). – MycoKeys 28: 65-82. https://doi.org/10.3897/mycokeys.28.20887
12. Adamonytė G., Motiejūnaitė J**.,** Iršėnaitė R., 2016: Crown fire and surface fire: effects on myxomycetes inhabiting pine plantations. – Science of the Total Environment, 572: 1431-1439. https://doi.org/10.1016/j.scitotenv.2016.02.160
13. Motiejūnaitė J., Iršėnaitė R., Adamonytė G., Dagys M., Taraškevičius R., Matulevičiūtė D., Koreivienė J., 2014: Pine forest lichens under eutrophication generated by a great cormorant colony. – The Lichenologist, 46(2): 213–228. https://doi.org/10.1017/S0024282913000820

14. Motiejūnaitė J., Adamonytė G., Iršėnaitė R., Juzėnas S., Kasparavičius J., Kutorga E., Markovskaja S., 2014: Early fungal community succession following crown fire in Pinus mugo stands and surface fire in Pinus sylvestris stands. – European Journal of Forest Research, 133(4): 745-756. https://doi.org/10.1007/s10342-013-0738-6
15. 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
16. Adamonytė G., Iršėnaitė R., Motiejūnaitė J., Taraškevičius R., Matulevičiūtė D., 2013: Myxomycetes in a forest affected by great cormorant colony: a case study in western Lithuania. – Fungal Diversity, 59: 131–146. https://doi.org/10.1007/s13225-012-0203-8
17. Kutorga E., Adamonytė G., Iršėnaitė R., Juzėnas S., Kasparavičius J., Markovskaja S., Motiejūnaitė J., Treigienė A., 2012: Wildlife and post-fire management effects on early fungal succession in *Pinus mugo* plantations, located in Curonian Spit (Lithuania). – Geoderma, 191: 70-79. https://doi.org/10.1016/j.geoderma.2012.02.007

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

1. **Iršėnaitė R**., 2024. Lietuvos afiloforoidinių grybų rūšių sąrašas. – Kn.: Lietuvos makroskopinių grybų ir kerpių sąvadas: taksonai ir mikonimai [Mokslinių straipsnių rinkinys]: 83–109. Vilnius. https://doi.org/10.35513/NRC.2024.1.04
2. **Iršėnaitė R**., Urbonaitė R., 2024. Lietuvos gasteroidinių grybų rūšių sąrašas. – Kn.: Lietuvos makroskopinių grybų ir kerpių sąvadas: taksonai ir mikonimai [Mokslinių straipsnių rinkinys]: 111–117. Vilnius. https://doi.org/10.35513/NRC.2024.1.05
3. **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
4. **Iršėnaitė, R.**, Kałucka, I.L. & Olariaga Ibarguren, 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
5. **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
6. **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

2024 – 2025	Collaborating partner "Monitoring and mapping fungal diversity for nature conservation FunDive". Project is funded by Biodiversa+, the European Biodiversity Partnership
2024 – 2025	Project leader „Distribution and ecology of vulnerable wood-inhabiting fungus Baeospora myriadophylla in Lithuania: site selection for protection". The Mohamed bin Zayed Species Conservation Fund.
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 *Flaviporus citrinellus* 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 *Hydnellum gracilipes* 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 (SYNTHESYS, GB-TAF), Kew, United kingdom
2008 11	European Union-funded Integrated Activities Grant (SYNTHESYS, DK-TAF), Copenhagen, Denmark.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. **Iršėnaitė R**., Kvederavičiūtė K., Motiejūnaitė J., 2024. New fungal records - grom above and below grownd and from citizen science. case of Lithuania. - International Mycological Congress IMC12, Maastricht, Netherlands, 11–15 August 2024. Abstract proceedings: 232.
2. Haelewaters D., De-Migue S., Dima B., Fachada V., Gonçalves S. C., Heilmann-Clausen J., **Iršėnaitė R**., Niskanen T., Papp V., Prylutskyi O., Rinaldi A., Ruszkiewicz-Michalska M., Vizzini A., von Bonsdorff T., Zervakis G., Pawlowska J., 2024. FunDiv: engaging citizen scientists in fungal monitoring across Europe to boost common conservation goals. - International Mycological Congress IMC12, Maastricht, Netherlands, 11–15 August 2024. Abstract proceedings: 268. https://ima-mycology.org/index.php/news/imc12-maastricht-abstract-book-available
3. Svantesson S., Karl-Henrik Larsson K.-H., Tondeleir L., Kulju M., Lindah B., **Iršėnaitė R.,** Larsson E., Ryberg M., 2024. Rare and extremely common new members of the genus Piloderma: tripling number of species in an ecologically important but overlooked

ectomycorrhizal genus. . - International Mycological Congress IMC12, Maastricht, Netherlands, 11–15 August 2024. Abstract proceedings: 435.

4. Motiejunaite J., Džekčioriūtė V., **Iršėnaitė R.** 2024. Lichen blindness – is traditional knowledge reflected in recordings of the citizen science? Case of Lithuania. – XX International Botanical Congress IBC 2024, Spain. Book of Abstracts. Posters: 531. ISBN: 978-84-09-63656-3
5. Iršėnaitė R., Skuja S. 2023. Searching for the rare fungus *Flaviporus citrinellus*. In: Paola Angelini ((ed.), Abstract Book, XIX Congress of European Mycologists, 4th-8th September 2023, Perugia (Italy). Società Botanica Italiana, Firenze, p. 103.
6. **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.
7. 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.
8. 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..
9. **Iršėnaitė R**., Saproxylic fungi in urban environment – dead wood as key habitat. 2018. International conference „Dendrology and urban landscaping“ Vilnius University Botanical Garden, Vilnius, 15 November, 2018.
10. 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.
11. 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 Mazėtis	Dissertation „Deadwood formation and accumulation in forests of different land uses“	2016 – 2017

Supervision of bachelor and master students:

Rūta Urbonaitė	Master thesis: “Grassland fungi in Lithuania”	2024 – 2026
Rūta Urbonaitė	Bachelor thesis: Gasteroid fungi in Lithuania: diversity, distribution, ecology” (VU)	2023 – 2024
Diana Sabaitė	Bachelor thesis „Fungi of the Neris Woodland Key Habitat“ (VU)	2015 – 2016

OTHERS

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

2023 An expert work in the project "Endangered species of Latvia: improving knowledge and capacity information circulation and understanding" (LIFE19 GIE/LV/000857 - LIFE FOR SPECIES)

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“.