

Curriculum Vitae

Name: Saleh Rahimlou

Date of Birth: 02 July 1989

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Education

Doctor of Philosophy (2017-2022): Microbial Ecology. University of Tartu, Estonia.

Thesis: Investigation of symbiotic nitrogen-fixing bacteria association with plants.

Supervisor: Prof. Leho Tedersoo, University of Tartu, Estonia

Co-supervisor: Dr. Mohammad Bahram, Swedish University of Agricultural Sciences. Uppsala, Sweden.

Master of Science (2012-2015): Plant Pathology with specialization in mycology. Sari Agricultural Sciences and Natural Resources University, Iran.

Bachelor of Science (2009-2012): Plant Pathology. Urmia University, Iran.

Journal Publications:

- Tedersoo, L., Mikryukov, V., Zizka, A., Bahram, M., Hagh-Doust, N., Anslan, S., ... & Abarenkov, K. (2022). Global patterns in endemism and vulnerability of soil fungi. *Global Change Biology*, 28(22), 6696-6710.
- Soudzilovskaia N.A., He J., Rahimlou S., Abarenkov K., Brundrett M., & Tedersoo L. (2022). FungalRoot v.2.0 – an empirical database of plant mycorrhizal traits. *New Phytologist*, 235, 1689-1691.
- Tedersoo, L., Loit, K., Agan, A., Rahimlou, S., Vask, A., & Drenkhan, R. (2022). MycoPhylo experiment reveals how mycorrhiza types and phylogenetic relationships affect soil biodiversity and functioning. *bioRxiv*.

- Rahimlou, S., Bahram, M., & Tedersoo, L. (2021). Phylogenomics reveals the evolution of root nodulating alpha-and beta-Proteobacteria (rhizobia). *Microbiological Research*, 250, 126788.
- Sayari, M., van der Nest, M. A., Steenkamp, E. T., Rahimlou, S., Hammerbacher, A., & Wingfield, B. D. (2021). Characterization of the Ergosterol Biosynthesis Pathway in Ceratocystidaceae. *Journal of Fungi*, 7(3), 237.
- Pölme, S., Abarenkov, K., Nilsson, R. H., Lindahl, B. D., Clemmensen, K. E., Kauserud, H., ... & Tedersoo, L. (2020). FungalTraits: a user-friendly traits database of fungi and fungus-like stramenopiles. *Fungal diversity*, 105(1), 1-16.
- Soudzilovskaia, N. A., Vaessen, S., Barcelo, M., He, J., Rahimlou, S., Abarenkov, K., ... & Tedersoo, L. (2020). FungalRoot: global online database of plant mycorrhizal associations. *New Phytologist*, 227(3), 955-966.
- Tedersoo, L., Rahimlou, S., & Brundrett, M. (2019). Misallocation of mycorrhizal traits leads to misleading results. *Proceedings of the National Academy of Sciences*, 116(25), 12139-12140.
- Tedersoo, L., Laanisto, L., Rahimlou, S., Toussaint, A., Hallikma, T., & Pärtel, M. (2018). Global database of plants with root-symbiotic nitrogen fixation: Nod DB. *Journal of Vegetation Science*, 29(3), 560-568.
- Rahimlou, S., Babaeizad, V., Bose, T., & Sayari, M. (2016). Determination of lignin-modifying enzymes (LMEs) in *Hyphodermella* species using biochemical and molecular techniques. *Mycologia Iranica*, 3(1), 57-63.
- Rahimlou, S., Bose, T., Babaeizad, V., Sayari, M., & Tajick, M. A. (2015). Molecular data confirm the mitosporic state of *Hyphodermella rosae* (Phanerochaetaceae) as the pathogen of rosaceous fruits in northern Iran.
- Mirhosseini, H. A., Babaeizad, V., & Rahimlou, S. (2014). *Neofusicoccum parvum*, agent of leaf spot on the new host *Ginkgo biloba* in Iran. *New Disease Reports*, 30.
- Rahimlou, S., Babaeizad, V., & Sayari, M. (2014). First report of fruit spot of pomegranate caused by *Colletotrichum gloeosporioides* in Iran. *Journal of Plant Pathology*, 96(3).
- Tedersoo, L., Mikryukov, V., Anslan, S., Bahram, M., Khalid, A. N., Corrales, A., ... & Abarenkov, K. (2021). The Global Soil Mycobiome consortium dataset for boosting fungal diversity research. *Fungal Diversity*, 1-16.
- Kariman, K., Moreira-Grez, B., Scanlan, C., Rahimlou, S., Boitt, G., & Rengel, Z. (2022). Synergism between feremycorrhizal symbiosis and free-living diazotrophs leads to improved growth and nutrition of wheat under nitrogen deficiency conditions. *Biology and Fertility of Soils*, 1-13.
- Hosseyni Moghadam, M. S., Safaie, N., Rahimlou, S., & Hagh-Doust, N. Inducing tolerance to abiotic stresses in *Hordeum vulgare* L. by halotolerant endophytic fungi associated with Salt Lake plants. *Frontiers in Microbiology*, 1827.

Participation in international courses and workshops

PNGOO9S Introduction to Meta-analysis in ecology (Royal Holloway University of London, UK)

PK.1680 Applied Biostatistics in Biological Sciences Using R (Estonian University of Life Sciences)

LT2017/2018-O308 Community Assembly Rules in Fungal and Microbial Ecology: State of the Art and Up-to-date Tools (University of Copenhagen, Denmark)

LT2017/2018-O308 Sample Preparation for High-throughput Sequencing of Fungal Communities (Swedish University of Agricultural Sciences, Sweden).

Grants and scholarships

2022 T1.1 Dora Plus short-term mobility grant

2021 T1.1 Dora Plus short-term mobility grant

2020 Proposal (WIP) ID: 506772. Bahram M. (PI), Cubeta M. (Co-PI), Rahimlou S., Tedersoo L., Ryberg M., Põldmaa K., Yagame T. Evolution of nutritional modes of Ceratobasidiaceae (Basidiomycota, Fungi). Joint Genome Institute (JGI).

2019-2020 Dora Plus Action 1 – Study Mobility of Doctoral Degree Students (6 months) – Laboratoire de Recherche en Sciences Végétales (LRSV-CNRS) – Toulouse, France. “Identification of the bacterial symbionts associated with root nodules of *Tribulus terrestris* and *Roystonea regia* using molecular methods”

2017 Dora Plus doctoral studies scholarship, Faculty of Science and Technology (2017-2021), Botany and Ecology. University of Tartu, Estonia.