



GIULIANA M. FURCI

Field Mycologist

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APPOINTMENTS

- 2022-current National Geographic Explorer
- 2021-current Advisory Board, Society for the Protection of Underground Networks (SPUN)
- 2020-current Scientific Advisory Board, MycoMedica Life Sciences
- 2020-current Co-Chair Fungal Conservation Committee SSC, IUCN
- 2020-current Board Member, Fundación Acción Fauna, Chile
- 2017-current Chair, Fundación Fungi Chile
- 2016-current Consultant, Chile Oceans Initiative - The Walton Family Foundation
- 2015-current Harvard University Associate
- 2013-current Member, Mushrooms, Brackets & Puffballs Species Survival Committee, IUCN
- 2012-current Executive Director, Fungi Foundation & Fundación Fungi
- 2004-current Mushroom Intoxication Consultant, Centre for Toxicological Information, Pontificia Universidad Católica de Chile, pro bono.
- 2018-2020 Board Member, Fundación Tierra Austral, Chile
- 2010-2012 Researcher, Oceana Chile
- 2005-2010 Steering Committee Member, WWF Salmon Aquaculture Dialogue, U.S.A.
- 2005-2010 Coordinator, Salmon-Farming Program, Fundación Terram
- 2003-2005 Manager, Fungi Australe Inc. – Reishi cultivation facility in Chile

AWARDS & RECOGNITIONS

- 2022 National Geographic Society/Buffer Leadership in Conservation Award
- 2022 McKenna Academy Biodiversity Steward Award
- 2022 Gordon & Tina Wasson Award, Mycological Society of America
- 2018 Salzman Award, Telluride Mushroom Festival
- 2015 Dame, Order of the Star of Italy
- 2013 President's Award for outstanding contribution to fungal conservation, International Society for Fungal Conservation

SCIENTIFIC MEMBERSHIPS & AFFILIATIONS

- 2018-current Mycological Society of America
- 2015-current Latin-American Mycological Association

2015-current Spegazzini Mycological Association
2014-current International Mycological Association
2023-2026 Membership Committee of the Mycological Society of America

PEER-REVIEWED PUBLICATIONS

1. Bradshaw, A. J., Ramírez-Cruz, V., Awand, A. R., **Furci, G.**, Guzmán-Dávalos, L., & Dentinger, B. T. M. **2024**. Phylogenomics of the psychoactive mushroom genus *Psilocybe* and evolution of the psilocybin biosynthetic gene cluster. *Proceedings of the National Academy of Sciences*, 121 (3) e2311245121
2. Tremble, K., Henkel, T., Bradshaw, A., Domnauer, C., Brown, L. M., Thám, L. Xuân Thám, **Furci, G.**,... Dentinger, B. **2024**. A revised phylogeny of Boletaceae using whole genome sequences. *Mycologia*, 116(3), 392–408.
3. Bradshaw, A. J., Backman, T. A., Ramírez-Cruz, V., Forrister, D. L., Winter, J. M., Guzmán-Dávalos, L., **Furci, G.**, Stamets, P., & Dentinger, B. T. M. **2022**. DNA Authentication and Chemical Analysis of *Psilocybe* Mushrooms Reveal Widespread Misdeterminations in Fungaria and Inconsistencies in Metabolites. *Applied and environmental microbiology*, e0149822. Advance online publication.
4. Pfister, D.H., Healy, R., LoBuglio, K.F. **Furci, G.** et al. **2022** South American morels in the *Elata* group: mitosporic states, distributions, and commentary. *Mycol Progress* 21, 97.
5. Pfister, D.H., R. Healy, **G. Furci**, A. Mujic, E. Nouhra, C. Truong, M. V. Caiafa & M. E. Smith. **2022**. A reexamination and realignment of *Peziza sensu lato* (Pezizomycetes) species in southern South America. *Darwiniana nueva serie* 10(1): 148-177.
6. Oyanedel, R., Hinsley A., Dentinger B. T. M., Milner-Gulland E.J., **Furci G.** **2022**. A way forward for wild fungi in international sustainability policy. *Conservation Letters* e12882.
7. Goncalves, S., D. Haelwaters, **G. Furci** & G. Mueller. 2021. Include all fungi in biodiversity goals. *Science* 23 Jul **2021**: 403.
8. Liimatainen K, Niskanen T, San-Fabian B, Mujic AB, Peintner U, Dresch P, **Furci G**, Nouhra E, Matheny PB, Smith ME. **2020**. *Cortinarius* section *Thaumasti* in South American Nothofagaceae forests. *Mycologia* 112(2):329–341.
9. Quijada, L., K. LoBuglio, J. Karakehian, **G. Furci**, D. Torres & D. H. Pfister. **2020**. Exploring the diversity of fungi at "the end of the world": Leotiomyces from the forests of Patagonian Chile. *Newsletter of the Friends of the Farlow* 72.
10. Kuhar F., **Furci G.**, Drechsler-Santos E.R., Pfister D.H. **2018**. Delimitation of *Funga* as a valid term for the diversity of fungal communities: The Fauna, Flora & *Funga* proposal (FF&F). *IMA Fungus* 9(2): 71–74.
11. Ainsworth AM, Canteiro C, Dahlberg A, Douglas B, **Furci G**, Mueller GGM, et al. **2018**. Conservation of Fungi. In *State of the World's Fungi*, Willis K, ed. Royal Botanic Gardens, Kew.
12. Marín C, Torres D, **Furci G**, Godoy R, Palfner G. **2018**. Estado del arte de la conservación del reino Fungi en Chile. *Biodiversidata* 7:98–115
13. May, T. W., Cooper, J. A., Dahlberg, A., **Furci, G.**, Minter, D. W., Mueller, G. M. et al. **2019**. Recognition of the discipline of conservation mycology. *Conservation Biology*, 33(3), 733–736.
14. Truong C., Mujic A., Healy R., Kuhar F., **Furci, G.**, et al. **2017**. How to know the fungi: Combining field inventories and DNA barcoding to document fungal diversity. *New Phytologist* 214(3): 913-919.

15. **Furci, G.** & F. Repetto-Giavelli. (2012). Catálogo preliminar de los hongos del valle La Paciencia, sur-este de Tierra del Fuego, Chile. *Anales del Instituto de la Patagonia*, 40(2), 47-54.
16. Hernández, M., Aroca, G., **Furci, G.**, Bushmann, A., Filún, L., & Espinoza, R. (2010). Population dynamics and culture studies of the edible red alga *Callophyllis variegata* (Kallymeniaceae). *Phycological Research*, 58, 108–115. Test

BOOKS

1. **Furci, G.** 2018. *Guía de Campo Hongos de Chile Vol. II*, Fundación Fungi, Santiago, Chile 320 pp.
2. **Furci, G.** 2013. *Guía de Campo Hongos de Chile Vol. I*, Fundación Fungi, Santiago, Chile 256 pp.
3. **Furci, G.** 2007. *Fungi Austral: Guía de campo de los hongos más vistosos de Chile*, Ed. Corporación Chilena de la Madera. Concepción, Chile 200 pp.

CHAPTERS IN BOOKS

1. **Furci, G.** 2022 “Flora, Fauna, Funga” pp. 190-193 in Lim, M. & Shu Y. 2022 *The Future is Fungi*. Thames and Hudson Pty Ltd.
2. **Furci, G.** 2021 “Funga, Parque Nacional Queulat” pp. 72-85 in *Por qué parques Nacionales?* Ladera Sur.
3. **Furci, G.** 2019 “Fungal Activism” in Stamets, P. et al. 2019 *Fantastic Fungi: Expanding Consciousness, Alternative Healing, Environmental Impact*. Earth Aware Editions.
4. **Furci, G.** 2018 “Las Venas del Bosque” in Fuentealba Diez, M. y Errázuriz Hurtado, M. (2018). *Verde/Azul: de los glaciares al mar*. Santiago, Chile: Fundación Mar Adentro.
5. **Furci, G.** 2016. Hongos, pp. 366-372 in Ministerio del Medioambiente. *Biodiversidad de Chile, Patrimonio y Desafíos*, Ocho Libros Editores, Santiago de Chile.
6. **Furci, G.** 2008. Hongos, pp. 366-372 in Conama, 2008. *Biodiversidad de Chile, Patrimonio y Desafíos*, Ocho Libros Editores, Santiago de Chile, 640 pp.

INVITED FOR BOOK REVIEW

1. **Ostendorf, Y.** 2023. *Let's Become Fungal! Mycelium Teachings and the Arts: Based on Conversations with Indigenous Wisdom Keepers, Artists, Curators, Feminists and Mycologists*. 336 pp.
2. **Hathaway, M. J.** 2022. *What a Mushroom Lives For: Matsutake and the Worlds They Make*. Princeton University Press. 296 pp.
3. **Russell, M. & Degabrielle, C.** 2020. *Just Mushrooms – celebrating the future of food*. Independent publishers, U.S.A. 92 pp.
4. **Kuhar, F., E. Grassi, G. Romano & A. Sequeira.** 2020. *Crónicas del Reino de los Hongos*. Ediciones de la Plaza, Buenos Aires, Argentina.
5. **McCoy, P.** 2016. *Radical Mycology: A Treatise on Seeing and Working with Fungi*. Portland, Oregon: Chthaeus Press. 646 pp.

NEW TAXA DESCRIBED

New Species

- 2023 *Psilocybe stametsii* Furci & Dentinger
2020 *Amanita galactica* Furci & Dentinger
2019 *Cortinarius chlorosplendidus* Furci, Niskanen, San-Fabian, Liimat. & Salgado Salomón

CURATORIAL EXPERIENCE

- 2013-current FFCL Fungarium
 Curator; established a new collection of fungi now with >2000 specimens

FIELDWORK EXPERIENCE

Brazil, Argentina, Chile, Uruguay, Costa Rica, Peru, Italy, United States of America, Mexico, Turkey, Thailand, Sweden, Bolivia, Norway, U.K., Colombia, Australia, Ecuador