

Works Cited:

1. Peintner, U., Iotti, M., Klotz, P., Bonuso, E. & Zambonelli, A. Soil fungal communities in a *Castanea sativa* (chestnut) forest producing large quantities of *Boletus edulis* sensu lato (porcini): where is the mycelium of porcini? *Environ Microbiol* **9**, 880–889 (2007).
2. *Mushrooms, Humans and Nature in a Changing World: Perspectives from Ecological, Agricultural and Social Sciences*. (Springer International Publishing, Cham, 2020).
3. Schlarbaum, S. E. Three American Tragedies: Chestnut Blight, Butternut Canker, and Dutch Elm Disease. In: Britton, Kerry O., ed. Exotic pests of eastern forests conference proceedings; 1997 April 8–10; Nashville, TN. U.S. Forest Service and Tennessee Exotic Pest Plant Council: 45–54.
4. Palmer, J. M., Lindner, D. L. & Volk, T. J. Ectomycorrhizal characterization of an American chestnut (*Castanea dentata*)-dominated community in Western Wisconsin. *Mycorrhiza* **19**, 27–36 (2008).
5. IUCN. *Boletus peckii*: Siegel, N.: The IUCN Red List of Threatened Species 2019.
6. Guerin-Laguette, A. Successes and challenges in the sustainable cultivation of edible mycorrhizal fungi – furthering the dream. *Mycoscience* **62**, 10–28 (2021).
7. Wang, D. *et al.* The cultivation of *Lactarius* with edible mushrooms. *Italian Journal of Mycology* 63–77 Pages (2021).
8. Repáč, I. Ectomycorrhizal Inoculum and Inoculation Techniques. in *Diversity and Biotechnology of Ectomycorrhizae* (eds. Rai, M. & Varma, A.) vol. 25 43–63 (Springer Berlin Heidelberg, Berlin, Heidelberg, (2011).
9. Xiong, H. *et al.* Effect of an Ectomycorrhizal Fungus on the Growth of *Castanea henryi* Seedlings and the Seasonal Variation of Root Tips' Structure and Physiology. *Forests* **12**, 1643 (2021).
10. Wu, X.-Q. *et al.* Effects of ectomycorrhizal fungus *Boletus edulis* and mycorrhiza helper *Bacillus cereus* on the growth and nutrient uptake by *Pinus thunbergii*. *Biol Fertil Soils* **48**, 385–391 (2012).
11. Santolamazza-Carbone, S., Iglesias-Bernabé, L., Sinde-Stompel, E. & Gallego, P. P. Soil microbiota impact on *Boletus edulis* mycelium in chestnut orchards of different ages. *Applied Soil Ecology* **185**, 104790 (2023).
12. Correia, M., Espelta, J. M., Morillo, J. A., Pino, J. & Rodríguez-Echeverría, S. Land-use history alters the diversity, community composition and interaction networks of ectomycorrhizal fungi in beech forests. *Journal of Ecology* **109**, 2856–2870 (2021).
13. Aryal, P., Meiners, S. J. & Carlsward, B. S. Ectomycorrhizae determine chestnut seedling growth and drought response. *Agroforest Syst* **95**, 1251–1260 (2021).
14. Torres-Gómez, M., Garibay-Orijel, R., Casas, A. & Pérez-Salicrup, D. R. Ectomycorrhizal trees intermingled within *Cupressus lusitanica* plantations sustain the diversity and availability of edible mushrooms. *Agroforest Syst* (2017).
15. Pérez-Moreno, J. *et al.* Edible mycorrhizal fungi of the world: What is their role in forest sustainability, food security, biocultural conservation and climate change? *Plants People Planet* **3**, 471–490 (2021).
16. Rivas-Ferreiro, M., Otero, A. & Morán, P. It's what's inside that counts: DNA-barcoding of porcini (*Boletus* sp., Basidiomycota) commercial products reveals product mislabelling. *Food Control* **144**, 109346 (2023).
17. Wang, Y. I'M RETIRED. PORCINI IS NOT. PROGRESS OF GROWING *Boletus edulis*. in vol. 11 74 (IWEMM, Esquel, Chubut, Argentina, 2024).
18. Hagh-Doust, N., Färkkilä, S. M. A., Hosseini Moghaddam, M. S. & Tedersoo, L. Symbiotic fungi as biotechnological tools: Methodological challenges and relative benefits in agriculture and forestry. *Fungal Biology Reviews* **42**, 34–55 (2022).
19. González-Ochoa, A. I., De Las Heras, J., Torres, P. & gomez Sanchez, E. Mycorrhization of *Pinus halepensis* Mill. and *Pinus pinaster* Aiton seedlings in two commercial nurseries. *Ann. For. Sci.* **60**, 43–48 (2003).
20. Martínez-Peña, F., Ágreda, T., Águeda, B., Ortega-Martínez, P. & Fernández-Toirán, L. M. Edible sporocarp production by age class in a Scots pine stand in Northern Spain. *Mycorrhiza* **22**, 167–174 (2012).
21. De La Varga, H. *et al.* Seasonal dynamics of *Boletus edulis* and *Lactarius deliciosus* extraradical mycelium in pine forests of central Spain. *Mycorrhiza* **23**, 391–402 (2013).
22. Ambrosio, E., Pietras, M. & Feest, A. Biotic and abiotic factors influencing macrofungal diversity and biomass in Mediterranean forests with a focus on the Porcini group. *Dendrobiology* **91**, 16–31 (2024).
23. Black, R., Betz, R., Lizotte & Fulbright, D. Commercial Chestnut Cost of Production and Comparative Analysis with Tart Cherry Production. (2013)
24. Epp Schmidt, D., Pouyat, R., Szlavecz, K. *et al.* Urbanization erode ectomycorrhizal fungal diversity and may cause microbial communities to converge. *Nat Ecol Evol* **1**, 0123 (2017)
25. Epp Schmidt, D., Maul, J.E. & Yarwood, S. . Quantitative Amplicon Sequencing Is Necessary to Identify Differential Taxa and Correlated Taxa Where Population Sizes Differ. *Microb Ecol* **86**, 2790–2801 (2023).
26. Zambonelli, Alessandra, and Gregory M. Bonito, editors. *Edible Ectomycorrhizal Mushrooms: Current Knowledge and Future Prospects*. 1st ed., Springer-Verlag Berlin Heidelberg (2013).