

Curriculum vitae updated to February 13th 2019

Carolina Girometta, PhD

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Born in Milano on 28/01/1988 ; resident in Rovescala (PV)

Post-doc fellow researcher in Department of Earth and Environmental Sciences – Università degli Studi di Pavia, via Sant'Epifanio 14 27100 Pavia

Current position

Post-doc fellow researcher in Department of Earth and Environmental Sciences – Università degli Studi di Pavia. Research topic: “Valorization of the state strict natural Reserve *Bosco Siro Negri* as a biogenetic and metabolomic reservoir of fungi and plants”.

Study tittle

- Philosophy Doctor in Experimental Ecology and Geobotany at Università degli Studi di Pavia - Department of Earth and Environmental Sciences (XXVIII cycle), dissertation on 29/01/2016.
- Master Degree in Natural Sciences at Università degli Studi di Pavia, dissertation on 19/07/2012 (110/110 cum laude).

Other qualifications and current tasks

- Contractor professor for the following course of Bachelor in Natural Sciences and Technologies (3 UEC): “Identification and sustainable use of edible mushrooms”.
- Expert in the following subjects as approved by the Didactic Council of the Department of Biology and Biotechnology:
 - General and systematic Botany
 - Applied Botany
- Participant to the project MATER (*Myco-Advanced leaTher matERials*) on the call *Avviso congiunto Materiali avanzati – 2018* financed by Fondazione Cariplo. Project timespan: 09/01/2019 – 09/07/2021. Project leader: prof. Daniele Dondi – Università degli Studi di Pavia.

Publications on ISI journals

1. Doria E., Altobelli E., Girometta C., Nielsen E., Zhang T., Savino E., 2014. Evaluation of lignocellulolytic activities of ten fungal species able to degrade poplar wood. *International Biodegradation and Biodeterioration*, 94: 160-166.
2. Girometta C., 2016. Caratterizzazione di funghi lignicoli. Tesi di dottorato. Dottorato di Ricerca in Ecologia Sperimentale e Geobotanica – Scuola di Dottorato in Scienze e Tecnologie “Alessandro Volta”. Università degli Studi di Pavia. Tesi discussa il 29/01/2016 (AA 2014/2015).
3. Savino E., Girometta C., Miteva-Staleva J., Krumova E., 2016. Wood decay macrofungi: strain collection and studies about antioxidant properties. *Comptes rendus de l'Academie bulgare des Sciences*, 69(6): 747-754.
4. Sillo F., Savino E., Giordano L., Girometta C., Astegiano D., Picco A.M., Gonthier P., 2016. Analysis of genotypic diversity provides a first glimpse on the patterns of spread of the wood decay fungus *Perenniporia fraxinea* in an urban park in northern Italy. *J. Plant Pathology*, 98 (3): 617-624. DOI:10.4454/JPP.V98I3.005
5. Brandalise F., Cesaroni V., Gregori A., Repetti M., Romano C., Orrù G., Botta L., Girometta C., Guglielminetti M.L., Savino E., Rossi P., 2017. Dietary supplementation of *Hericium erinaceus* increases mossy fiber-CA3 hippocampal neurotransmission and recognition memory in wild-type mice. *Evidence-Based Complementary and Alternative Medicine*, vol. 2017: 1-13. DOI:10.1155/2017/3864340
6. Sturini M., Girometta C., Maraschi F., Savino E., Profumo A., 2017. A preliminary investigation on metal bioaccumulation by *Perenniporia fraxinea*. *Bull. Environ. Contam. Toxicol.*, 98: 508-512. DOI 10.1007/s00128-017-2038-1

7. Girometta C., Zeffiro A., Malagodi M., Savino E., Doria E., Nielsen E., Buttafava A., Dondi D., 2017. Pretreatment of alfalfa stems by wood decay fungus *Perenniporia meridionalis* improves cellulose degradation and minimizes the use of chemicals. *Cellulose*, 24(9): 3803-3813. DOI 10.1007/s10570-017-1395-6.
8. Rossi P., Cesaroni V., Brandalise F., Occhinegro A., Ratto D., Perrucci F., Lanaia V., Girometta C., Orrù G., and Savino E., 2018. Dietary supplementation of *Herichium erinaceus* on spatial memory in wild-type mice. *International Journal of Medicinal Mushrooms* 20(5): 485-494. DOI: 10.1615/IntJMedMushrooms.2018026241
9. Girometta C., 2018. Antimicrobial properties of *Fomitopsis officinalis* in the light of its bioactive metabolites: a review. *Mycology*. DOI: 10.1080/21501203.2018.1536680.
10. Perna S., Spadaccini D., Botteri L., Girometta C., Riva A., Allegrini P., Petrangolini G., Infantino V., Rondanelli M., 2018. Efficacy of bergamot: from anti-inflammatory and anti-oxidative mechanisms to clinical applications as preventive agent for cardiovascular morbidity, skin diseases and for mood alterations. *Food Science & Nutrition*. DOI: 10.1002/fsn3.903.
11. Zuccotti E., Oliveri M., Girometta C., Ratto D., Di Iorio C., Occhinegro A., Rossi P., 2018. Nutritional strategies for psoriasis: current scientific evidence in clinical trials. *European Review for Medical and Pharmacological Sciences*, 22: 9537-9551.
12. Orrù G., Muggironi F., Mameli A., Demontis C., Arcadu B., Scano A., Denotti G., Piras V., Girometta C., Zeza B. and Pilloni A., 2018. BAX Gene Overexpression in the Tongue Could Warn of Infection Risk due to Periodontal Pathogens. *The Open Dentistry Journal*, Volume 12
13. Girometta C., Picco A.M., Baiguera R.M., Dondi D., Babbini S., Cartabia M., Pellegrini M., Savino E., 2019. Physico-Mechanical and Thermodynamic Properties of Mycelium-Based Biocomposites: A Review. *Sustainability*, 11 (281). doi:10.3390/su11010281.
14. Scano A., Muggironi F., Girometta C., Mameli A., Demontis C. VCAM-1 and BAX mRNAs in the early diagnosis of oral infection: a preliminary study on tongue biofilm. Accettato per pubblicazione da: *The Open Dentistry Journal* in data 22 novembre 2018.

Other publications

- Savino E., Girometta C., Chinaglia S., Guglielminetti M., Rodolfi M., Bernicchia A., Perini C., Salerni E., Picco A.M., 2014. Medicinal mushrooms in Italy and their conservation ex situ through culture collections. 8th International Conference on Mushroom Biology and Mushroom Products, New Delhi, India, November 19-22. *Proceedings*, Vol. I, 50-54.
- Rossi P., Cesaroni V., Corana F., Mannucci B., Kawagishi H., Girometta C., Guglielminetti M.L., Savino E., 2017. Characterization of the Italian samples of *Herichium erinaceus*. The 9th International Medicinal Mushrooms Conference, Palermo 24-28 settembre 2017. Comunicazione orale. Book of abstracts pp. 93-94.
- Girometta C., Rovelli L., Ronconi L.M., Brescia F., Chinaglia S., De Negri I., Picco A.M., Savino E., 2017. The return of *Fomitopsis officinalis* to the Italian Alps: preliminary assessment of strategies for conservation and sustainable use. Congresso internazionale dell'European Mycological Association – European Council for Conservation of Fungi “Fungal conservation in a changing Europe”, Ohrid (ex Repubblica Jugoslava di Macedonia), 1-6 ottobre 2017. Comunicazione orale, relatrice Girometta C. Atti del congresso, pp. 21-22.