



Europass Curriculum Vitae

Personal information

First name / Surname	Giovanna Battipaglia
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Nationality	Italian
Date of birth	July 4, 1976
Gender	Female

Work experience

Current Positions

- Associate Professor in Forest Ecology (AGR/05) at Department of Environmental, Biological and Pharmaceutical Sciences and Technologies (DiSTABIF)- University of Campania Luigi Vanvitelli (since 2018).
- Qualified for the functions of Full Professor (sector 07/B2) (since 2017).
- President of the Council of Study Course "Agricultural and Forestry Science" at DiSTABIF of the University of Campania Luigi Vanvitelli
- Responsible for teaching and research activities (R.A.D.O.R.) of dendroecology laboratory and Icona stable isotope laboratory of the DiSTABIF at the University of Campania
- Member of the Research Commission of DiSTABIF- University of Campania
- Member of teaching Commission and Relations with School Commission of DiSTABIF
- Member of the Teaching Board of the PhD programme in Environment, Design and Innovation at University of Campania (since 2013)
- Secretary of the ATR (International Association of tree ring research)
- Associate editor of Journal of Ecology (2017-to date)
- Editorial Board Member of Forests (MPDI) (2018 to date)
- Editor of Frontiers in Plant Science (2014 to date)
- Editor of Dendrochronologia (2013 to date)
- Member of the Technical panel of Campania Region on Agriculture and Precision forestry
- Expert Reviewer for The European Science Foundation (EX2018D333084)
- Member of Italian Forestry Society (SISEF)
- Member of International association of wood anatomist (IAWA)

Positions Held

- Assistant Professor at the University of Campania Luigi Vanvitelli, Department DiSTABIF (2012-2018)
- Maître de conférences (Associate Professor) of Forest Ecology at Ecole Pratique des Hautes Etudes, Institut des Sciences de l'Evolution-ISEM, MR 5554 CNRS|Université de Montpellier, France (2012-2016)
- Staff Member in ENEA Research Center- Department of Technologies for Energy, Renewable Sources and Energy Saving (2009-2011)
- Research Scientist in the Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam, The Netherlands, in the framework of the European project INCREASE (2009)
- Research Scientist in the Paleo Climatology group of the Dendro Sciences Research Unit of the Swiss Federal Research Institute for Forest, Snow, and Landscape – WSL- ETH Switzerland (2007-2009)
- Research Associate at the Applied Ecology Laboratory, Department of Environmental Sciences, Second University of Naples (2005-2007)
- Expert Reviewer for the First Order Draft of the IPCC Special Report on Climate Change and Land (SRCCL)

Training

- Ph.D. in Application of isotopic methodologies in environmental science-Second University of Naples (2005)
- Graduated cum laude in Environmental Science (2001)

Current Research Experience

- Principal Investigator of Research Unit in the framework of National project MIUR- PRIN 2020- Unraveling interactions between WATER and carbon cycles during drought and their impact on water resources and forest and grassland ecosystems in the Mediterranean climate (WATERSTEM) (Overall budget €43274,00)
- Principal Investigator of Research Unit in the framework of National project MIUR o PRIN 2017 "The Italian TREETALKER NETWORK (ITT-Net): continuous large scale monitoring of tree functional traits and vulnerabilities to climate change" (Overall budget € 871844,00)
- Principal Investigator of Research Unit in the framework of a Regional Project PSR- Campania 2014 2020 Sottomisura 16.1 Azione 2 "Modelli sostenibili di coltivazione del Vitigno Greco: efficienza d'uso delle risorse ed applicazione di indicatori della Footprint family-GREACE" (Overall budget € 343688)
- WP leader of local Project Valere 2019 "Thermo-chemical Extraction of Valuable Materials from Biowaste and Potential Applications in Agriculture" (Overall budget € 189000)
- WP leader Project "Wood isotopic carbon analysis (d13C) as a tool for tracing past climates, resources and human/environment interaction. AAPG ANR 2017 PI Isabelle Thery_Parisot CNRS Francia (Overall budget € 50000)

Previous Research Experience

- Principal investigator in the National project "Innovative agriculture and precision farming" funded by MIUR in the framework of exchange between Universities, Secondary schools and Regional administration (Overall budget €30000)
- Member of the COST Action FP1106 "STReSS: Studying Tree Responses to extreme Events: a Synthesis"
- Unit member (Second University of Naples) in the Italian national Project (PRIN-MIUR) Climate change mitigation strategies in tree crops and forestry in Italy-CARBOTREES (Overall budget € 900000).
- GHG AFRICA- ERC GRANT Riccardo Valentini, coordinator
- International lab LIA France-Canada MONTABOR
- Unit member (Ecole Pratique des Hautes Etudes) in the International project FIREMAN (ERA-net/ANR BiodivERsA ; 2009-2012) - fire management to maintain biodiversity and mitigate economic loss.
- Unit member (ENEA Research Center) on National project "Carbon Sequestration and Storage technologies" (Overall budget € 980000 euro)
- Unit member (University of Amsterdam) in the International project EUFP6"INCREASE: An Intergrated Network on Climate Research Activities on Shrubland Ecosystems"
- Unit Member (Second University of Naples) in the International project "Interaction between carbon and Nitrogen cycles in the mediterranean ecosystems" in the framework of NitroEurope (NEU) project: Sixth Framework Programme priority 63, Proposal Number 017841-2.

Scientific Publications

Author of more than 140 papers of which 94 are journal papers, several conference proceedings and book chapters. The journal papers have more than 2477 citations with h-index 28 on ISI. ORCID: 0000-0003-1741-3509; Scopus Author ID: 6507001590.

Personal skills and competences

Mother tongue(s)

Italian

Other language(s)

English, French

Self-assessment

European level (*)

Language

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
EN C2	C2	C2	C2	C2
F C1	C1	B2	B2	B1

Scientific skills and competences

Plant ecologist with research specialization in ecophysiology, dendroecology, precision forestry and isotopes.

Organisational skills and competences

Excellent organizational skills as demonstrated by Local and National Coordinator in both international and national research projects.

Computer skills and competences

Good knowledge of several software and application programs in dendrosciences.

Communication skills and competences

Excellent communication skills acquired through long-lasting experience in teaching, research group activities, interviews, workshops.

Additional information

5 relevant publications

- 1) Cherubini, P., Battipaglia, G., Innes, J.L. Tree Vitality and Forest Health: Can Tree-Ring Stable Isotopes be used as indicators? (2021) Current Forestry Reports, DOI: 10.1007/s40725-021-00137-8
- 2) Palandrani, C., Battipaglia, G., Alberti, G. Influence of tree species richness on tree growth and intrinsic water-use efficiency after drought in tree plantations in north-eastern Italy (2020) European Journal of Forest Research, 139 (5), pp. 869-877.
- 3) Brook, A., De Micco, V., Battipaglia, G., Erbaggio, A., Ludeno, G., Catapano, I., Bonfante, A. A smart multiple spatial and temporal resolution system to support precision agriculture from satellite images: Proof of concept on Aglianico vineyard (2020) Remote Sensing of Environment, 240, art. no. 111679, DOI: 10.1016/j.rse.2020.111679
- 4) Battipaglia, G., Rigling, A., De Micco, V. Editorial: Multiscale Approach to Assess Forest Vulnerability (2020) Frontiers in Plant Science, 11, art. no. 744, DOI: 10.3389/fpls.2020.00744
- 5) Gea-Izquierdo, G., Nicault, A., Battipaglia, G., Dorado-Liñán, I., Gutiérrez, E., Ribas, M., Guiot, J. Risky future for Mediterranean forests unless they undergo extreme carbon fertilization (2017) Global Change Biology, 23 (7), pp. 2915-2927. DOI: 10.1111/gcb.13597

"According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV"

Caserta, 8/02/2022