

Enrica Roccotiello

Fixed-term assistant professor

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Education and training

2011

PhD in Botany Applied to Agriculture and Environment

Characterization of the Italian flora of ultramafic substrates state of the art and studies aimed at identifying new hyperaccumulating taxa

Università degli Studi di Genova - Genova - IT

2007

PhD Environmental Sciences (Internal Water and Agroecosystems)

Ability to tolerate and accumulate trace elements in some pteridophytes of Northern Italy

University of Oriental Piedmont - Alessandria - IT

2004

Qualification to practice as a biologist

National Order of Biologists - Genova - IT

2003

Master Degree in Biology

Development of the sex organs in *Thymelaea hirsuta* cytological and histological study - 110/110 cum laude

Università degli Studi di Genova - Genova - IT

Academic experience

2021 - ONGOING

Researcher RTDb -Botany Applied to Agriculture and Environment

Università degli Studi di Genova - Genoa - IT

Research. Teaching activities. Supervision of undergraduates students PhD students and post-docs. Member of technology transfer commission.

Member for UNIGE of the ITS Ligurian Agrifood Academy

2018 - 2021

Researcher RTDa -Botany Applied to Agriculture and Environment

Università degli Studi di Genova - Genoa - IT

Research. Teaching activities. Supervision of undergraduates students and

PhD students. Member for UNIGE at National Cluster Agrifood (CLAN).

2012 - 2018

Post-doc

Università degli Studi di Genova - Genoa - IT

Research. Support to teaching activities. Supervision of undergraduates students and PhD students.

Language skills

English

Proficient

IELTS

Teaching activity

2022 - 2023

- BOTANY APPLIED TO MARINE AND COASTAL ENVIRONMENT (cod. 107009)
BIODIVERSITA' MARINACORSO DI LAUREA MAGISTRALE - BIOLOGIA ED ECOLOGIA MARINA
- BOTANY APPLIED TO ARCHITECTURE (cod. 104751)
BOTANICA APPLICATA ALL'ARCHITETTURA E AL PAESAGGIOCORSO DI LAUREA - SCIENZE DELL'ARCHITETTURA
- BOTANY APPLIED TO LANDSCAPE (cod. 104727)CORSO DI LAUREA - SCIENZE AMBIENTALI E NATURALI
- GEOBOTANY AND ELEMENTS OF APPLIED BOTANY (cod. 84444)CORSO DI LAUREA - SCIENZE AMBIENTALI E NATURALI
- MANAGEMENT OF NATURA 2000 AND PROTECTED AREAS: BOTANICAL ASPECTS (cod. 66435)
GESTIONE DEI SITI NATURA 2000 E DELLE AREE PROTETTECORSO DI LAUREA MAGISTRALE - CONSERVAZIONE E GESTIONE DELLA NATURA
- PLANT COMPONENT WITHIN URBAN ECOSYSTEMS (cod. 108877)CORSO DI LAUREA MAGISTRALE - CONSERVAZIONE E GESTIONE DELLA NATURA

2021 - 2022

- BOTANY APPLIED TO ARCHITECTURE (cod. 104751)
BOTANICA APPLICATA ALL'ARCHITETTURA E AL PAESAGGIOCORSO DI LAUREA - SCIENZE DELL'ARCHITETTURA
- BOTANY APPLIED TO MARINE AND COASTAL ENVIRONMENT (cod. 107009)
BIODIVERSITA' MARINACORSO DI LAUREA MAGISTRALE - BIOLOGIA ED ECOLOGIA MARINA
- BOTANY APPLIED TO LANDSCAPE (cod. 104727)CORSO DI LAUREA - SCIENZE AMBIENTALI E NATURALI
- GEOBOTANY AND ELEMENTS OF APPLIED BOTANY (cod. 84444)CORSO DI LAUREA - SCIENZE AMBIENTALI E NATURALI
- MANAGEMENT OF NATURA 2000 AND PROTECTED AREAS: BOTANICAL

Postgraduate research and teaching activity

Supervision of PhD students, residents and post-doctoral fellows

Currently (a.y. 2022/2023), supervisor of:

- 2 research post-doc BIO/03
- 2 PhD students STAT

Postgraduate (PhD) teaching activity

PhD courses in Science and Technology for Environment and Land (STAT),
35, 36, 37, 38 Cycle:

Green technologies for contaminated sites. a.a. 2019/2020 e 2020/2021,
2021/2022, 2022/2023; 2 CFU, SSD BIO/03 (interdisciplinary for Biology
Applied to Agriculture and Environment and Earth Science).

Botany and micology applied to agriculture and environment, a.a.
2019/2020 e 2020/2021, 2021/2022, 2022/2023; 2 CFU, SSD BIO/03 (curriculum
Biology Applied to Agriculture and Environment).

Research interests

Plants in the urban ecosystem, phytoremediation, bioremediation, soil
quality assessment (ecotoxicology), environmental sustainability. Research
lines: response of plants to abiotic and biotic stresses in the urban
ecosystem, biodiversity of extreme habitats, accumulation of metals in
plants (edible and for phytoremediation), remediation of pollutants using
eco-sustainable bioremediation techniques.

Grants

2021 - ONGOING

GREEN SKILLS FOR CITIES

UE - Erasmus+ KA

Participant

2021 - ONGOING

ECOLOPEs - ECological building enveLOPEs a game- changing design approach for regenerative urban ecosystems

UE- FET OPEN H2020

Participant

2020 - 2022

Towards a Market of Hypoallergenic Tomato - TOMATO

Rural Development Programme 2014/2020 - M16.1- phase 2

Participant

2020

MosSkin light building systems with mosses

LINKS foundation with the support of LIFTT (Compagnia di San Paolo)

Participant

2019 - 2021

CLIMATIONS Adaptation and mitigation to climate change urban actions for health promotion

Ministry of Health - CCM National Center for Disease Prevention and Control

Participant

2018 - 2019

TOWARDS a MARKET of Hypoallergenic TOMATO (TOMATO)

Liguria European Rural Development Programme 2014/2020 - M16.1- phase 1

Principal investigator

Other professional activities

Consultant for the evaluation of potentially toxic environmental contaminated matrices :

- Geotechnical and Environmental Engineering Group - GEEG -spinoff
Università La Sapienza di Roma
- PROGER s.p.a.
- Consorzio Collegamenti Integrati Veloci - COCIV

Consultant for the evaluation of Key Performance Indicator of Nature-based Solutions:

- Genova Municipality