



Curriculum vitae

PERSONAL INFORMATIONS

CLARA CONTE – PhD student (Applied biology in agriculture and environment), University of Genoa

Residential address: [Redacted]
[Redacted]
[Redacted]
Place of birth: [Redacted]

PROFESSIONAL EXPERIENCES

- 11/2023-06/2024 PhD Internship - Nanotechnology
Italian Institute of Technology (IIT) - Milan
Synthesis of nanoparticles applied to ornamental plants in *in vitro* tests to verify the effect on plant growth and future application for phytoremediation purposes.
- 05/2023-07/2023 Phd Internship - Phytoremediation
Alchemia-nova GmbH - Institute for circular economy & nature-based solutions, Wien.
Collaboration on two European projects concerning the application of phytoremediation and organic amendments for the purification of landfill leachate and industrial soils, with mesocosm and field experiments.
- 11/2022-10/2025 Phd project- Applied biology in agriculture and the environment
UNIVERSITY OF GENOVA – Applied botany laboratory
Project: "Multifunctional nature-based solutions for the synthesis of nanoparticles and phytoremediation: combined approaches"
Use of nanoparticles to be implemented in certain ornamental plants to enhance phytoremediation capacity. Final data are needed to create a nature-based solution for the application in urban areas.
- 07/2021-10/2022 Research Grant - Environmental and Applied Botany
UNIVERSITY OF GENOVA – Plant biology laboratory
Project: "Ni-free tomato crops"
Identify suitable cultivation practices to produce tomatoes with a low nickel content, accessible to a population allergic to this metal. Monitoring of phytosanitary treatments, fertilizations used and any inputs that could influence the uptake of metals from the soil, with reference to nickel.
- 02/2020-02/2021 Master internship in "Circular Economy 4.0: Energy, Technology and Environment"
Università Telematica Internazionale Uninettuno
ECO-PRO STUDIO (Lecce)
Project: "Former SASPI landfill and phytoremediation: a possible sustainable redevelopment intervention".
Analysis of the Characterization Plan carried out at the former SASPI incinerator and landfill, in the Municipality of Lecce, for the implementation of a phytoremediation strategy.
- 10/2019-03/2020 Erasmus+ post-graduate traineeship
UNIVERSITY OF LIÈGE (Belgium - Dept of Life Sciences)
Project: "Contribution to functional analyses of flowering time genes in model plants and crops"
Production and analysis of transgenic plants of *Solanum lycopersicum* (common tomato) that overexpress genes involved in the regulation of inflorescence architecture.
- 05/2018–03/2019 Master's degree
UNIVERSITY OF GENOVA – Plant biology laboratory
Project: "Characterization of psychoactive plant pollen: a new tool for forensic investigation"
Micromorphological analysis of pollen grains belonging to 12 psychoactive plant species using a scanning electron microscope (SEM) and an optical microscope with image acquisition using Leica IM50 software.
- 10/2018–11/2018 Master's Degree Internship
UNIVERSITY OF GENOVA – Plant biology laboratory
Project: " Analysis of plants subjected to metal stress. Radical surface analysis"
Analysis of the root systems of *Thlaspi caerulescens* subjected to different nickel concentrations to determine the effects induced by this metal.

10/2015-03/2016 Bachelor's degree
 UNIVERSITY OF BARI – Mineralogy laboratory
 Project: "Study of garnets by powder diffraction".
 Analysis of samples of natural and synthetic garnets using monochromatic x-rays emitted by a diffractometer.

EDUCATION AND TRAINING

11/2022-10/2025 Currently a PhD student (II year) - Department of Earth, Environment and Life Sciences (DISTAV), University of Genoa

02/2020–02/2021 Master (I level): "Circular Energy 4.0 Energy, Technology and Environment"
 Università Telematica Internazionale Uninettuno

09/2016 -03/2019 Master's degree – Biological Monitoring (LM 6 - Biology)
 University of Genova – Genova
 Final mark: 110/110 e lode (with honors)

09/2012 -03/2016 Bachelor's degree – Natural Sciences (L-32 – Sciences and technologies for the environment and nature)
 University of Bari "A. Moro" - Bari
 Final mark: 103/110

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|--|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B1 | B1 | B1 | B1 | B1 |
| Level B1 for Erasmus+ Outgoing 2019/2020 CLAT – Centro Linguistico di Ateneo | | | | | |
| French | A1 | A1 | A1 | A1 | A1 |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Ability to adapt in new contexts
- Ability to work in a team
- Motivation and tenacity to pursue their objectives
- Flexibility

Digital skills

ECDL certificate

Driving licence

B

ADDITIONAL INFORMATION

CONSULTING

Phytotoxicity tests

UNIVERSITY OF GENOVA – Plant biology laboratory

Activity: Responsible for the experimentation through phytotoxicity tests in the context of the study. Ecotoxicological and chemical evaluation of conditioned materials deriving from excavated earth and rocks.

PUBLICATIONS

Scientific article

C. Conte, M. Tiso, G. Fenoglio, M. Mariotti, P. Minale, E. Nicosia, P. Pensa, E. Tommaselli, E. Roccotiello (2023). TOMATO! Buono, sicuro, nickel-free – Nuove prospettive per una filiera controllata del pomodoro. In: INNOVAZIONE IN BOTANICALS, N. 1 (2023), ISSN 2785-373X.

Conference proceedings abstracts

Conte C., Mariotti M., Tiso M., Fenoglio G., Nicosia E., Roccotiello E. (2023). New approaches for Ni-free tomato production. Acts of the 2° Conference of Young Botanists (9-10 febbraio 2023, Bolzano). In: Notiziario della Società Botanica Italiana, Vol. 7(1) 2023, ISSN 2532-8034

Conference proceedings abstracts

Conte C., Mariotti M., Tiso M., Fenoglio G., Nicosia E., Roccotiello E. (2022). Towards a Nickel-free tomato production. In: VIII International Plant Science Conference (IPSC). Bologna, 07 – 10 Settembre 2022.

Conference proceedings abstracts

Conte C; Calise C, Mariotti M, Roccotiello E (2022). Saggiare con le piante per custodire l'ambiente: I test phytotox per rocce e terre da scavo condizionate. In: Notiziario della Società Botanica Italiana, Vol. 6(2) 2022, ISSN 2532-8034.

Conference proceedings abstracts

Conte C; Cornara L, (2019). Characterization of psychoactive plant pollen: a new tool in forensic investigations. In: VI INTERNATIONAL PLANT SCIENCE CONFERENCE (IPSC) Abstract. p. 170, PADOVA: Italian Botanical Society, ISBN 978-88-85915-23-7, Padova, 04 – 07 Settembre 2019.

CONFERENCES

- 17/11/2023 Annual Scientific Meeting - Italian Botanical Society (Ligurian section)
Work presented: "Non è bello ciò che è bello, ma è bello ciò che accumula!"
- 28/06/2023 "Innovative bioremediation solutions for a clean environment and zero pollution Europe"
Muttenz (Swiss) - online participation
- 09/02/2023 - 10/02/2023 2nd International Conference of Young Botanists (CYBO)
Bolzano (Italy)
Work presented: "New approaches for Ni-free tomato production"
- 07/09/2022 - 10/09/2022 117° Congress of the Italian Botanical Society - VIII INTERNATIONAL PLANT SCIENCE CONFERENCE – Bologna (Italy)
Poster: "Towards a nickel-free tomato production"
- 18/11/2022 Annual Scientific Meeting - Italian Botanical Society (Ligurian section)
Work presented: "Nuovi scenari per una produzione di pomodoro Ni-free"
- 26/11/2021 Annual Scientific Meeting: "Flora e funga: un patrimonio da custodire e conservare"
Italian Botanical Society (Ligurian section)
Work presented: " Saggiare con le piante per custodire l'ambiente: i test phytotox per rocce e terre da scavo condizionate"
- 04/09/2019 – 07/09/2019 114° Congress of the Italian Botanical Society - VI INTERNATIONAL PLANT SCIENCE CONFERENCE – Padova
Poster: "Characterization of psychoactive plant pollen: a new tool in forensic investigations"

SCIENTIFIC MEETINGS

"The annual meeting of the Integrative Biological Sciences research unit – InBioS"
Campus du Sart Tilman, Quartier AGORA – University of Liège (Belgium)
Febbraio 2020

SUMMER SCHOOL

Green Skills for Cities Project, part of the ERASMUS+ Cooperation Partnerships in Higher Education call, co funded by the European Union - *Short term* Programme 2023
University of Genoa - Date of attainment: 2023

CERTIFICATIONS

Green Skills for Cities Project, part of the ERASMUS+ Cooperation Partnerships in Higher Education call, co funded by the European Union - *Long term* Programme 2023
University of Genoa - Date of attainment: 2023

R Software - Advanced Course

Alta Formazione Insubria - Date of attainment: 2023

Identifying ornamental plants

Vivai Mati (Pistoia) - Accademia Italiana del Giardino di Mati1909 - Date of attainment: 2022

Intensive course on determining vascular plants

Italian Botanical Society (Ligurian section) - Date of attainment: 2022

Introduction to the analysis of vegetation data with R

Italian Botanical Society, Vegetation Working Group - Date of attainment: 2022

IV° Electron and confocal microscopy course in the botanical field

Italian Society of Microscopic Sciences - Date of attainment: 2021

IoE Expert for Renewable Energies

IoE-EQ Internet of Energy Education and Qualification - Date of attainment: 2020

Percorso formativo per l'acquisizione di 24 CFU per l'insegnamento - Date of attainment: 2018

AWARDS AND
ACKNOWLEDGMENTS

01/07/2021-30/06/2022

Research fellow - University of Genoa
D.R. n. 1657 del 26.4.2021 Program no. 8 - Public selection aimed at awarding a research
grant. Department of Earth, Environment and Life Sciences (DISTAV) - Genoa (GE)
Scientific-disciplinary sector: BIO / 03 Environmental and applied botany

02/2020-02/2021

Assignee of a training voucher issued by the Puglia Region with total or partial reimbursement
of the enrollment fees for attending the post-graduate Master: "Circular Economy 4.0 Energy,
Technology and Environment", proposed by the provider UNINETTUNO INTERNATIONAL
TELEMATICS UNIVERSITY.

10/2019-03/2020

Awarding of Erasmus + mobility grants for traineeship purposes
a.a. 2019/2020

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 D.Lgs.196/2003 e all'art. 13 del Regolamento UE
2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.

Genova, 30/07/2024

Signature