

ELENA BOVIO

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PROFESSIONAL EXPERIENCE

Research engineer (Post-doc) in microbiology and chemistry

INRAE - National Research Institute for Agriculture, Food and Environment - Sophia Antipolis

10/2019 – 12/2022 Biot, France

- Responsible for the research activity and the management of two projects that aim to use marine and terrestrial fungi as bio-pesticides in agriculture.

Organization of laboratory activities, development of new methodologies, supervision of students, collaboration with partners to meet common deadlines, preparation of presentations and reports, dissemination of results.

Instructor for the Master MARRES (Marine Resources Science, Conservation & Innovation)

University Nice Côte d'Azur

10/2020 – 08/2022 Nice, France

- Lectures, time management for several groups of students, training in the lab, and evaluation of the reports. Master's thesis defense jury.

Postdoc in Marine Biotechnology

Mycotheca Universitatis Taurinensis, University of Turin

10/2018 – 09/2019 Turin, Italy

- Responsible for the research and management of projects related to marine fungi. Projects:
 - Marine fungi associated with plastic (sampling and isolation).
 - Use marine fungi to obtain new antibiotics.

Visiting researcher at The Arctic University of Norway (Norway) and at the Observatoire océanologique de Banyuls sur mer (France).

Ph.D. Student in Biology-Biotechnology and Chemistry

- Mycotheca Universitatis Taurinensis, University of Turin
- Equipe Molécules Bioactives, University Nice Côte d'Azur (cotutelle)

10/2015 - 10/2018 Turin, Italy; Nice, France

- Project "Marine fungi from sponges: biodiversity, chemodiversity and biotechnological potential". An innovative and multidisciplinary project that aimed to cover the first steps of the marine natural products discovery pipeline.
- Additional tasks: dissemination of results, applications for travel grants, participation in international conferences, writing scientific papers, budget management.

Visiting student at the Université de Bretagne Occidentale (France) and at the University Milano-Bicocca (Italy).

EDUCATION

Ph.D. Biology and Applied Biotechnologies

University of Turin

10/2015 - 03/2019 Turin, Italy

Ph.D. Chemistry

University Nice Côte d'Azur

10/2015 - 03/2019 Nice, France

M.Sc. Environmental Biology

University of Turin

10/2012 - 07/2014 Turin, Italy

B.Sc. Natural Sciences

University of Turin

10/2009 - 07/2012 Turin, Italy

LANGUAGES

English ●●●●○
French ●●●●○
Italian ●●●●●

ACHIEVEMENTS

Rapid Professional Growth
From intern, to project leader in the field of marine mycology and biotechnology.

Dissemination of Results
12 scientific papers published in international journals
16 participations at National and International conferences.

New species description
10 new marine fungal species.

Scuba Diver
40+ diversings
PADI Advanced Open Water Diver.

Globetrotter
Explored 25+ countries.

Science Communicator & Team Leader

FERRARIE20 S.R.L.

09/2015 - 10/2015

Turin, Italy

> "Mall For Sea" exhibition

Expert in the marine environment and in children's education.

- Head of a team that promotes and raises children's awareness about ocean pollution and the suitable use of resources.

Science Communicator

Compagnia di San Paolo - Xkè? Il Laboratorio della Curiosità

01/2015 - 09/2015

Turin, Italy

> Creatively arouse children's curiosity and wonder for scientific phenomena through games and discovery.

- Create and develop new activities for school children.

Biologist Laboratory Technician

Ecoserv Ltd

03/2015 - 05/2015

Mosta, Malta

> Environmental analysis

- Water sampling and in-situ measurements of water quality.
- Chemical-physical and microbiological analysis of water.

Research Internship

Mycotheca Universitatis Taurinensis, University of Turin

07/2013 - 07/2014

Turin, Italy

> Isolation and identification of fungi from a crude oil-polluted site. Bioremediation test.

Research Internship

Laboratory of Aquatic Ecosystems, University of Turin

09/2011 - 04/2012

Turin, Italy

> Optimisation of the growth of microalgae for the production of biodiesel.

AWARDS

Best Ph.D. thesis in environmental and applied mycology

2021

University of Pavia - Caretta Prize

Award for Ph.D. thesis in cotutelle

2021

Italo-French University

Ph.D. degree cum laude

2019

University of Turin

Best poster presentation

2016

4th Mediterranean Young Researchers Days - Société Chimique de France

Academic Honors

2014

University of Turin

MY PASSIONS

Scuba Diving

Photography

Marine Environment

Travel

SKILLS

Project development/management

- Organise tasks and meet deadlines
- Coordinate the activities of international partners
- Supervision of students and lab technicians
- Organization of events (local and international congresses)
- Develop new partnerships

Editorial skills

- Drafting multidisciplinary projects
- Scientific articles (12 published)
- Activity reports, courses development
- Funding requests/travel grants
- Documents revision

Software

- Geneious, Sequencher, NCBI, Mycobank
- PRIMER
- LabSolution – Shimadzu
- FROGS
- MS Office
- SPSS
- ArcGIS

Science (Microbiology-Biotechnology, Env. Science, Chemistry)

- Isolation of marine fungi
- Cultivation of fungi, bacteria and microalgae
- Taxonomy of fungi
- Antifouling test
- Bioremediation test
- Antimicrobial test
- Secondary metabolites extraction
- Purification of natural products
- HPLC-DAD analysis
- NGS
- Water quality analysis

Communication

- Oral and poster presentations at international congresses
- Lectures at the University
- Raising children's awareness of environmental problems