



## Mattia Bosio

📍 Home :

✉ Email:

✉ Email:

☎ Phone:

Gender:

Date of birth:

Nationality:

### EDUCATION AND TRAINING

#### Ph.D. Student in Science and Technology for the Earth and the Environment (STAT) - Urban Greenery and Nature-Based Solutions for Fine Dust Mitigation

[ 01/11/2023 - Current ]

##### Mitigation

**Università di Genova** [www.unige.it](http://www.unige.it)

City: Genova Country: Italy

PhD courses attended:

- Scientific & Technical Writing - Dokto & ADI
- How to Organize a Scientific Presentation
- Paper Writing
- Principles of Conservation Translocation of Living Organisms and Ecological Restoration
- Basics of applied statistics and probability: applications with R
- Geospatial Data - QGIS
- Why elemental speciation in aqueous media is the reading key in total environment understanding?
- Sampling design and strategies for monitoring terrestrial ecosystems
- Principles of Conservation. Translocation of Living Organisms and Ecological Restoration

PhD seminars attended:

- Sulle tracce della vita, a spasso per l'universo
- The biological implications of failing international climate commitments
- Bio-geo interaction in mining-impacted environments
- Phase diagrams and thermoelastic properties of planetforming materials: a key to understanding planetary diversity
- Conservation Paleobiology: the fossil record at work for future biodiversity
- Green Skills 4 Cities\_ Green Innovation Challenge
- Incontri al Museo: Piante Enteogene
- Viaggio personale in 40 anni di ricerca nella chimica organica: dai cluster di Litio alla nanocatalisi
- Author Journey - Transformative Agreement Springer Nature & CARE CRUI
- CYBO - Federico Riva - "Habitat loss VS Fragmentation"

#### International IAS Summer School - Aerosol in Polar and Mountain Areas:

[ 17/06/2024 - 21/06/2024 ]

##### Theoretical and Practical Aspects

**Italian Aerosol Society** <https://www.iasaerosol.it/>

City: Mestre, Venezia Country: Italy

[ 2024 ]

#### Scholarship for the 119th congress of the Italian Botanical Society 2024

**Società Botanica Italiana** <https://www.societabotanicaitaliana.it/>

City: Teramo Country: Italy

[ 17/12/2021 ]

#### Master's Degree in Nature Conservation and Management (cum laude)

**Università di Genova**

**City:** Genova | **Country:** Italy | **Field(s) of study:** Natural sciences, mathematics and statistics | **Final grade:** 110/110 cum laude | **Thesis:** Analysis of trophic strategies of *Speleomantes strinatii* and *Salamandrina perspicillata* populations in Valbrevenna

[ 11/2021 ] **24CFU Certification for Teaching (D.M. 616/2017)**

Pedagogy, Psychology, Anthropology, and Educational Methodologies

[ 05/2021 - 06/2021 ] **Training Course held by WikiTrade**

**Link:** [https://it.wikipedia.org/wiki/Acidificazione\\_delle\\_acque\\_dolci](https://it.wikipedia.org/wiki/Acidificazione_delle_acque_dolci)

- The topics addressed focused on the climate and environmental impacts of today's economy
- Introduction to the use of Wikimedia Italia's free knowledge platforms, in particular Wikipedia.
- At the end of the course, an encyclopaedic entry was drafted on the topics of the meetings (water acidification), which was later uploaded and made available on Wikipedia.

[ 10/2020 - 11/2020 ] **Training Course on Techniques for Monitoring Wolves (*Canis lupus*) in Liguria (Italy)**

**LIFE WolfAlps EU Project** | <https://www.lifewolfalps.eu>

**City:** Liguria | **Country:** Italy

[ 10/2020 ] **"Festival della Scienza" Training Course for Science Animators (8h)**

**Festival della Scienza**

**City:** Genova | **Country:** Italy

[ 18/12/2018 ] **Bachelor's Degree in Natural and Environmental Sciences (Nature Curriculum)**

**Università di Genova**

**Field(s) of study:** Natural sciences, mathematics and statistics | **Final grade:** 108/110  
**Thesis:** Analysis of the pedofauna of Castello d'Albertis

[ 01/2018 - 03/2018 ] **Training course for guides at the 'Acquario di Genova'**

**Dafne Cooperative** | <https://www.dafnet.it>

**City:** Genova | **Country:** Italy

[ 07/2014 ] **Professional Diploma in Food and Wine Services and Hotel Hospitality**

**Istituto Professionale Statale per l'Enogastronomia e l'Ospitalità Alberghiera Marco Polo** | [www.marcopolo.edu.it/](http://www.marcopolo.edu.it/)

**City:** Genova | **Country:** Italy

School internships carried out

- Two-week internship during second year at 'Fuori Orario' restaurant, via Palestro, Genova (IT)
- One-month internship during third year at 'Pasticceria Poldo', Genova Pontedecimo (IT)

**WORK EXPERIENCE**

[ 01/04/2024 ] **University Course Tutor - Botany Applied to Architecture and Landscape (cod. 104752 - SSD BIO/03)**

## **Genoa University - Department of Architecture and Design**

**City:** Genova **Country:** Italy

- Provided academic support to students through laboratory sessions.
- Collaborated with the course instructor to develop supplementary teaching materials and study resources.
- Monitored and evaluated student progress, offering constructive feedback and improvement suggestions.
- Facilitated classroom discussions and lab sessions, promoting a collaborative and inclusive learning environment.

[ 14/02/2023 - 27/02/2023 ]

### **Substitute Teacher at I.P.S.E.O.A. Marco Polo (GE) - A031 Food Science**

#### ***Secondary school I.P.S.E.O.A. Marco Polo (GE)***

**City:** Genova **Country:** Italy

### **Science animator at "Festival della Scienza**

#### ***Festival della Scienza***

**City:** Genova **Country:** Italy

- Conducting scientific, theoretical and practical workshops aimed mainly at students.
- Presentation and exhibition of navigation tools and techniques.
- Pollen and Allergy Exhibition/Laboratory
- Editions 2020 - 2021 - 2022 - 2023

[ 03/2018 - 10/2021 ]

### **Scientific Guide at the Acquario di Genova**

#### ***Dafne Cooperative***

**City:** Genova **Country:** Italy

- Guided tours with school groups and organised groups along the exhibition route
- Guided tours 'behind the scenes' in technical areas and areas not normally accessible to the public

[ 02/2021 ]

### **Collaboration with Castello d'Albertis, the University of Genoa and the Hydrographic Institute of the Italian Navy**

**City:** Genova **Country:** Italy

- Creation of a video-documentary on the life of Captain d'Albertis
- Exposition of basic concepts regarding cartography, navigation and the necessary tools for orientation at sea.
- The videos, entitled "Caccia alla Rotta", were uploaded on the YouTube channel "Genova More Than This". <https://www.youtube.com/watch?v=c9B-tzEjkhY&list=PLisNxdJaZJKsTdy9VyMHu6attS18G7i9c>

### **Substitute at "Istituto Comprensivo 'Lagaccio' "**

#### ***Istituto Comprensivo Lagaccio***

**City:** Genova **Country:** Italy

- 25/4 - 27/4/2020
- 14/01/2021

## **CONFERENCES AND SEMINARS**

[ 17/06/2024 - 21/06/2024 ]

### **International IAS Summer School - Aerosol in Polar and Mountain Areas: Theoretical and Practical Aspects**

Mestre, Venezia, Italy

Poster Presentation: "Urban Foliage: Natural Allies in the Fight Against Air Pollution"

[ 28/05/2024 - 31/05/2024 ]

### **PM2024 - National Conference on Atmospheric Particulate Matter** Torino, Italy

[ 16/04/2024 - 19/04/2024 ]

### **48th Congress of the Italian Association of Epidemiology** Riccione, Italy

Poster Presentation: "Plants in Ports: Allies Against Air Pollution"

[ 29/02/2024 - 01/03/2024 ] **RespiraMi '24 Congress** Milano, Italy

Poster Presentation: "Air Pollution Mitigation by Plants in Port Cities"

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## PUBLICATIONS

[ 2022 ]

### **Foraging success is differently affected by local climate in two syntopic forest-dwelling salamanders**

**Reference:** DOI: 10.1080/03949370.2022.2094470

Terrestrial salamanders regulate their surface activity, including foraging, to minimize evaporative water loss. We examined the role of local climatic conditions on the foraging success of two species of salamanders: *S. strinatii* and *S. perspicillata*. The results show that different climatic variables affected the two species differently. *Salamandrina perspicillata* foraged more intensively during periods of prolonged rainfall with higher temperatures. On the contrary, *Speleomantes strinatii* foraging success was negatively influenced by rising temperature, while rainfall seemed to have no significant effect. Body size increased success in *S. perspicillata* but not in *S. strinatii*. The results show that, when foraging in the same environment, these two species are conditioned by different climatic factors possibly due to their differences in overall body size and their ability to resist dehydration.

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## DIGITAL SKILLS

### **My Digital Skills**

Good knowledge of ImageJ software | Basic knowledge of R software | GIS Skills- Map processing, spatial analysis | Team-work oriented | Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access

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## LANGUAGE SKILLS

**Mother tongue(s):** Italian

**Other language(s):**

**English**

**LISTENING B2 · READING B2 · WRITING B2**

**SPOKEN PRODUCTION B2 · SPOKEN INTERACTION B2**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

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## DRIVING LICENCE

**Motorbikes:** A

**Cars:** B

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## ORGANISATIONAL SKILLS

### **Organisational skills**

- Team spirit and organisational skills acquired through work as an educator
- Good teamwork and coordination skills among colleagues developed through the role of guide and scientific animator

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## COMMUNICATION AND INTERPERSONAL SKILLS

### **Communication and interpersonal skills**

- Good interpersonal skills developed both at school/university in group projects and at work in conferences and caterings
- Good presentation skills acquired thanks to the role of guide at the 'Acquario di Genova', scientific animator at the 'Festival della Scienza' and the activity of

educator/entertainer for children and young people at the 'Ns. Signora di Loreto'  
parish, Genóva (IT).

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*authorize the processing of my personal data in accordance with Legislative Decree 30 June 2003, no. 196 and GDPR (EU Regulation 2016/679).*

Genova, 31/05/2024

