



Personal information

Date of birth: 28/07/1995

E-mail address:

alessandrapollo.eco@gmail.com

Language skills

Mother language: Italian

English: B2

French: C1

German: A1

Digital Skills

GIS software (ArcGIS, QGIS)

Office Suite (Word, Excel, Power Point)

MARK

Driving License

B

Alessandra Pollo

Work experience

Research scholarship – Alpine pollinator and climate change

University of Turin - Department of Life Sciences and Systems Biology
[16/06/2021 – Current]

Monitoring of protected and/or endangered Lepidoptera species in alpine habitats (Monviso Regional Park, Val Grande National Park, Natura 2000 network in Aosta Valley) following EU sampling method; investigating the impacts of climate change and land use change on them. Other activities:

- Tutoring of 2 graduate students and 3 trainees
- Organization of citizen-science events (e.g., BMS National Workshop, European Researchers' Night)
- Writing EU projects (LIFE+ project on pollinators and habitat restoration)
- Writing of scientific reports for public bodies
- Creation of maps using GIS software
- Collaboration with private entities for biodiversity conservation

Research scholarship – Climate change impacts on biodiversity and conservation measures for Regional Strategy

Regione Piemonte (Turin)
[15/05/2020 – 15/06/2021]

Analyzing the impacts of climate change on regional animal biodiversity (terrestrial invertebrates, aquatic invertebrates, ichthyofauna, herpetofauna, mammals and avifauna). The study points out changes in physiological, morphology, phenology, distribution and behavior changes, changes in the specific composition and community interactions, alteration of ecosystem-services and direct impacts caused by extreme events. This analysis enables to make proposals of mitigative and adaptive measures for the Regional Strategy on Climate Change, in order to improve the conservation of animal biodiversity. As one of the project leader, I co-organize and coordinated the working groups of biodiversity experts

Project leader - “Mind our Valley” funded by the Compagnia di San Paolo

Val Pellice
[01/01/2021 – Current]

Co-writing and coordinating the project aimed at supporting an ecological transition of Val Pellice, through environmental education on ecology, the activation of young to propose sustainable ideas for the valley and the redevelopment of a suburban area.

Professor's Assistant - Plant Ecology Course and Systematic Zoology Course

University of Turin - Department of Life Sciences and Systems Biology
[10/2018 – 01/2019; 09/2019 – 01/2020]

Tutoring during laboratories concerning respectively plant ecology and invertebrates, getting ready the samples and guiding students.

Project coordinator of “Green Economy”

Torre Pellice Municipality

[10/2018-10/2019]

Investigating production cycle and cooperation in green terms of small business in Val Pellice and developing a laboratory of ideas for hypotheses of action for a more sustainable territory.

Projects Collaborator "Specialps - Knowing, protecting and enhancing natural environments and biodiversity"

CIPRA International

[04/2018 – 06/2019]

Organizing educational outdoor activities to discover alpine biodiversity;
Elaborating map of the most important naturalistic areas in considered alpine valleys.

Journalist

L'Eco del Chisone

[2016 – 2019]

Weekly editing of newspaper articles about territorial projects, with particular focus on environmental issues and climate change.

Academic Education

Master's Degree in Environmental Biology

University of Turin - Department of Life Sciences and Systems Biology

[2017 – 2019]

Grade: **110 cum laude and mention**

My thesis “Plant biodiversity as a part of Piedmont Regional Strategy on Climate Change (SRCC): knowledge, impacts and measures” was aimed to let a first sectoral analysis of climate change impacts for SRCC. Specifically, my project was aimed at:

1. set a working participatory methodology useful for the other sectors analysis;
2. draw up a synthesis of knowledge on the regional plant biodiversity and habitats and on their protection, using also GIS software;
3. define the current and potential impacts of climate change on the Piedmont vegetation;
4. define mitigation and adaptation measures for the SRCC in order to conserve plant species and habitats.

Bachelor's Degree in Natural Sciences

University of Turin - Department of Life Sciences and Systems Biology

[2014 – 2017]

Grade: **110 cum laude**

My thesis is “The altitudinal temperature lapse rates in the stations of the North-western Alps” focuses on the analysis of temperature lapse rates in order to determine more accurately the temperatures of high-altitude sites, where there are no thermometric stations. The study is part of a larger work carried out by some researchers of the Research Institute for Hydrogeological Protection of the National Research Council (CNR).

IPROMO Summer School - Mountains in a changing climate: Threats, challenges and opportunities

FAO Mountain Partnership Secretariat, University of Turin, University of Tuscia

[09/2020 – 10/2020]

The school aimed to strengthen the capacity of technicians, experts and decisionmakers from mountain areas more sensitive to global change to protect and manage sustainably mountain environments around the world.

VI National School of Environmental Chemistry and Cultural Heritage - Environmental chemistry facing the challenges of Climate Change and sustainable development

University of Siena

[03/02/2020 – 06/02/2020]

The school aimed to deep the study of the climate system, the anthropogenic role on greenhouse effect and its consequences.

Other Training

Naturalistic guide course

Formont Venaria

[October 2022 - ongoing]

North-west butterflies identification course

BIOMA Association

[2022]

Living labs - Second international workshop “LANDSCAPES” of youth.shaping.EUSALP (Erasmus +)

EUSALP - Liechtenstein

[09/2019]

Workshop with six alpine countries to lay the foundations of a common position paper on landscape.

Trees and shrubs identification course

AIN (Italian Naturalists Association)

[10/2018]

Identification of local trees and shrubs thanks to their main characteristics and dichotomous keys: theory and on field.

Internship - Field work and data processing on Alpine periglacial environments

SUPSI (University of Applied Sciences and Arts of Southern Switzerland)

[09/2018 – 10/2018]

Survey and analysis on the geomorphology and geomorphometry of the alpine periglacial environments: field works and data analysis.

Internship - Climatological data processing of alpine environments

IRPI-CNR (Research Institute for Hydrogeological Protection of the National Research Council)

[06/2017 – 09/2017]

Climatological data processing of alpine environments for the Bachelor's thesis and support to field work at the Bessanese glacial basin in an equipped high altitude experimental area

Publications

Pollo A., Piccini I., Chiara J., Porro E., Chiantore D., Gili F., Alba R., Barbi A., Bogliani G., Bagliani M., Doretto A., Ruffino C., Malenotti E., Garazzino A., Pelosini R., Siniscalco M.C., Bonelli S. (2022) *A New Approach for Subnational Climate Adaptation of Biodiversity and Ecosystems: The Case Study of a Regional Strategy in Italy*. Sustainability, 14, 6115. <https://doi.org/10.3390/su14106115>

Scapozza C., Deluigi N., Del Siro C., Pollo A. & Ambrosi C. (2020) *Il permafrost nelle Alpi Ticinesi (2017/2018 e 2018/2019)*. Rapporto No. 5 del Gruppo Permafrost Ticino. Bollettino della Società ticinese di Scienze naturali, 108, pp. 33-43. ISSN 0379-1254.

Latini G., Bagliani M., Orusa T., et al. (2020) *Lessico e nuvole: le parole del cambiamento climatico - II ed.* Università di Torino. Zenodo. <http://doi.org/10.5281/zenodo.4276945>.

Pollo A., Rinaldi S., Zampollo A., Chiarle M., Fratianni S., Nigrelli G. (2018) *Gradient thermique dans les Alpes Italiennes du nordouest*. Actes du XXXIe Colloque de l'Association Internationale de Climatologie - Les Échelles Spatiales et Temporelles Fines, pp. 43-48. [sciencesconf.org/aic2018:199026](https://www.sciencesconf.org/aic2018:199026).

Conferences and seminars

- *Phengaris alcon* e *Gentiana pneumonanthe*: cambiamento climatico e gestione del suolo impattano questo sistema altamente coevoluto - Il National meeting Associazione Lepidotterologica Italiana – Nazzano, 2022
- I prodotti del bosco e del sottobosco e le conseguenze del cambiamento climatico, Gusto in Quota – Sestriere, 2021
- Biodiversità, ecosistemi e clima – Biodiversità e cambiamento climatico in Piemonte, quali impatti e misure? Stupinigi, 2021
- XXXIe Colloque de l'Association Internationale de Climatologie - Les Échelles Spatiales et Temporelles Fines – Nice, 2018

Afferece to scientific societies

- Member of ALI “Associazione Lepidotterologica Italiana”
- Member of ANP “Associazione Naturalistica Piemontese”

Volunteering

- Member of Legambiente Val Pellice
- Activist of Fridays For Future

Autorizzo al trattamento dei miei dati personali presenti nel CV.

Torino, il 28/02/2022

A handwritten signature in blue ink that reads "Alessandro Pello". The signature is written in a cursive, slightly slanted style.