

# ***CURRICULUM VITAE***

## **PERSONAL INFORMATION**

First name/Surname: **Ludovica Oddi**

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E-mail: [ludovica.odd@unito.it](mailto:ludovica.odd@unito.it)

Nationality: Italian

Date and Place of birth: May 22<sup>nd</sup>, 1989, Rome



## **POSITION**

**Ph.D. Student in Biology and Applied Biotechnologies (XXXI ciclo)**

Doctoral School of Sciences and Innovative Technologies, University of Turin, Italy

## **EDUCATION**

- 23-26 June 2018. **Workshop of fieldwork – “The plant biodiversity pattern in karstic grasslands: structural aspects and functional responses at microscale”**  
Italian Botanical Society, Working Group for Ecology, Pescasseroli (AQ), Italy
- 29 Sep-3 Oct 2017. **Workshop: “Long-Term Research in Mountain Areas”**  
Alpine Research Centre and University Centre, Obergurgl, Austria.
- 8-12 May 2017. **Stats course with R – Introduction to regression models with spatial and temporal correlation**  
Highland Statistics Ltd, University of Genoa, Italy  
Lecturer: Dr Alain Zuur; Dr Elena Ieno
- 22-27 August 2016. **Summer school in Alpine Field Ecology – Techniques to assess changes in high altitudes**  
Alpine Research Centre, University Centre, Obergurgl, Austria
- March-May 2016. **EAP (English for Academic Purposes) – Writing and Communication skills**  
CLA-UniTO, Campus Luigi Einaudi, Torino, Italy  
Lecturer: Dr Alice Spencer
- 15-19 February 2016. **Stats course with R – Data exploration, linear models, GLM, GAM and GLMM applied to biological data**  
Scuola di Biodiversità ‘Villa Paolina’, Polo Universitario Asti Studi Superiori, Asti, Italy  
Lecturer: Dr Martina Gandini; Dr Enrico Caprio; Dr Valentina Lamorgia

- April 2015. **Master's degree in Environmental Biology (Classe LM-6)**  
Faculty of Mathematical, Physical and Natural Science, University of Turin, Italy  
Thesis: Vegetation growth in a subalpine grassland and correlations with the seasonal trend  
Supervisor: Prof. Maria Consolata Siniscalco  
Grade: 110/110 cum laude
- October - December 2014. **Ecological Data Management and Analysis with R**  
University of Turin, Italy  
Lecturer: Prof. Achaz von Hardenberg
- February - June 2014. **Erasmus Mundus Program**  
Lithuanian University of Educational Sciences, Vilnius, Lithuania  
Attended courses: Agro-ecology, Forest Community Ecology, ArcGIS, Russian Language, English Language (B2)
- December 2012. **Bachelor's Degree in Natural Science**  
Faculty of Mathematical, Physical and Natural Science, "Sapienza" University of Rome, Italy  
Thesis: Analysis of the coastal vulnerability between Torvaianica and Anzio  
Supervisor: Prof. Piero Bellotti  
Grade: 110/110 cum laude
- November - December 2011. **Environmental Journalism Course "Laura Conti"**  
LEGAMBIENTE, Savona, Italy
- July 2008. **High school leaving qualification in Classical Studies and Humanities**  
Liceo Ginnasio Statale "Marco Terenzio Varrone", Rieti (RI), Italy  
Grade: 100/100

## **RESEARCH INTERESTS**

Analysis of plant-soil interactions in alpine and subalpine ecosystems, focusing on environmental heterogeneity and its effects on ecosystem structure and functioning. The main topics of my research activity are:

- upland ecosystems processes,
- plant productivity,
- decomposition processes,
- carbon bio-sequestration,
- ecosystem heterogeneity.

## SCHOLARSHIPS

- 2018. Full bursary from Italian Botanical Society (SBI) for the attendance to the 113° Congress of the Italian Botanical Society (SBI) and V International Plant Science Conference (IPSC), 12-15 September, Fisciano (SA), Italy
- 2017. Full bursary from Italian Botanical Society (SBI) for the attendance to the 112° Congress of the Italian Botanical Society (SBI) and IV International Plant Science Conference (IPSC), 20-23 September, Parma, Italy
- 2016. Full bursary from Italian Botanical Society (SBI) for the attendance to the 111° Congress of the Italian Botanical Society (SBI) and III International Plant Science Conference (IPSC), 21-23 September, Rome, Italy
- 2013. Student-collaboration scholarship, for the participation in short-term projects or in the ordinary running of different University offices and services (e.g. departmental libraries, computer laboratories etc.)
- 2011. Full bursary from LEGAMBIENTE for the attendance to the 'Laura Conti' journalism course, Savona, Italy

## RESEARCH EXPERIENCE

- April 2017 - ongoing. **Research Collaborator**  
AM FOR Quality project, Department of Life Science and Systems Biology, University of Turin, Italy  
Subject: Enhancing forage plant mycorrhization to improve the supply chain quality of Piedmontese cattle breed  
Tasks: biomass samples collection and analysis; description of plant community composition; forage quality determination
- November 2016 - April 2017. **Research Visitor**  
The James Hutton Institute, Aberdeen, Scotland, UK  
Subject: Investigation of structural and functional aspects of snowbed ecosystems on the Scottish Highlands  
Tasks: biomass samples collection and analysis; description of plant community composition; fungal community investigation; microbial enzymes activity assays; soil properties analyses through FT-IR spectra
- May 2013 - October 2014. **Research Collaborator**  
Department of Life Science and Systems Biology, University of Turin, Italy.  
Subject: Management and conservation of subalpine *Nardus stricta* L. grasslands.  
Tasks: biomass samples collection and analysis; phenological observations; leaf area index calculation; description of the plant community composition; decomposition rates analysis.
- August - December 2011. **Research Collaborator**  
Section of Behavioural Neuroscience, Istituto Superiore di Sanità (ISS), Rome, Italy.

Subject: behavioural response of European starlings (*Sturnus vulgaris*) exposed to video playback of conspecific flocks.

Supervisor: Prof. Enrico Alleva

Tasks: behavioural and statistical analysis; paper writing.

- May - July 2011, 2012. **Field Research Assistant**

“Ornis Italica”, Linosa, Agrigento (AG), Italy.

Subject: conservation of Scopoli’s shearwater (*Calonectris diomedea*) population of the island, and investigation on the foraging ecology, breeding biology and migration in wintering areas of the birds.

Supervisor: Giacomo Dell’Omo

Tasks: taking measure to reclaim; communication activity and raising awareness; attachment/recovery of GPS-dataloggers and Geolocator; recording of weight and body measurements; collecting blood samples.

## **EMPLOYMENT HISTORY**

- May - June 2015. Employed by “DialogoDiretto” company, Italy.  
Tasks: marketing, communication, sale.
- September 2013 - January 2014. Five-months student-collaboration scholarship as assistant librarian. “International Library” EDISU, University of Turin, Italy.
- January - October 2012. Member of the scientific staff. “Explora” Museum, Rome, Italy.  
Tasks: scientific communication; exhibitions set-up and planning; school kids education.

## **PUBLICATIONS, MEETINGS, AWARDS**

### ACCEPTED PUBLICATIONS

- Cremonese E, Filippa G, Galvagno M, Siniscalco C, Oddi L, Morra di Cella U, Migliavacca M (2017) Heat wave hinders green wave: the impact of climate extreme on the phenology of a mountain grassland. *Agricultural and Forest Meteorology*, 247:320-330
- Zoratto F, Manzari L, Oddi L, Pinxten R, Eens M, Santucci D, Alleva E, Carere C, (2014) Behavioural response of European starlings exposed to video playback of conspecific flocks: Effect of social context and predator threat. *Behavioural Processes*, 103:269-277.

### ABSTRACT AT MEETINGS

- Oddi L, Cremonese E, Filippa G, Galvagno M, Morra di Cella U, Negri R, Siniscalco C (2018) Monitoring of shrub and larch encroachment in a subalpine grassland: a new methodological approach. 113° Congress of the Italian Botanical Society (SBI), 12-15 September, Fisciano (SA), Italy. (Poster)

- Oddi L, Cremonese E, Filippa G, Galvagno M, Morra di Cella U, Siniscalco C (2018) Functional biodiversity is the key point of the interaction between climate and land-use change in a subalpine grassland. 15<sup>th</sup> Eurasian Grassland Conference (EGC), EDGG, 4-8 June, Sulmona, Italy. (Oral communication)
- Oddi L, Britton A, Freitag T, van Paassen J, Taylor AFS (2017) Microbial activity along gradients of snow lie in the Scottish Highlands. British Ecological Society (BES) Annual Meeting, 11-14 December, ICC, Ghent, Belgium. (Poster)
- Oddi L, Palestini G, Celi L, Cremonese E, Filippa G, Galvagno M, Siniscalco C (2016) The role of microtopography in a subalpine grassland: not only structure. British Ecological Society (BES) Annual Meeting, 11-14 December, ICC, Ghent, Belgium. (Poster)
- Oddi L, Cremonese E, Filippa G, Galvagno M, Migliavacca M, Morra di Cella U, Siniscalco C (2017) Long-term monitoring of a subalpine grassland: inter-annual variations in phenology, biomass production and plant community structure among nine growing seasons. Workshop: Long-Term Research in Mountain Areas, September 29-October 3, University Centre, Obergurgl, Austria. (Oral communication)
- Oddi L, Cremonese E, Filippa G, Galvagno M, Migliavacca M, Morra di Cella U, Siniscalco C (2017) Long-term monitoring of a subalpine grassland: inter-annual variations in phenology, biomass production and plant community structure among nine growing seasons. 112<sup>o</sup> Congress of the Italian Botanical Society (SBI) and 4th International Plant Science Conference (IPSC), 20-23 September, Parma, Italy. (Oral communication)
- Oddi L, Palestini G, Celi L, Cremonese E, Filippa G, Galvagno M, Siniscalco C (2017) The role of microtopography in a subalpine grassland: from soil heterogeneity to community structure and ecosystem functioning. Scottish Ecology, Environment and Conservation Conference (SEEC), 3-4 April, Aberdeen, UK. (Oral communication)
- Oddi L, Palestini G, Celi L, Cremonese E, Filippa G, Galvagno M, Siniscalco C (2016) The role of microtopography in a subalpine grassland: not only structure. 111<sup>o</sup> Congress of the Italian Botanical Society (SBI) and 3rd International Plant Science Conference (IPSC), 21-23 September, Rome, Italy. (Poster)
- Cremonese E, Filippa G, Migliavacca M, Siniscalco C, Oddi L, Galvagno M (2016) Heat wave beats green wave: the effect of a climate extreme on alpine grassland phenology as seen by phenocams. European Geosciences Unions (EGU) General Assembly, 17-22 April, Vienna, Austria. (Oral communication)
- Zoratto F, Manzari L, Oddi L, Pinxten R, Eens M, Santucci D, Alleva E, Carere C (2014) Behavioural response of European starlings exposed to video playback of conspecific flocks: Effect of social context and predator threat. 25<sup>th</sup> Congress of Italian Society of Ethology. 12-15 September, Viterbo, Italy. (Poster)

## POPULAR PUBLICATIONS

- Oddi L (2012) Governance a metà. *La Nuova Ecologia*, Speciale RIO+20: 40-43.

## AWARDS

- Best oral communication award assigned by the European Dry Grassland Group (EDGG) at the 15<sup>th</sup> Eurasian Grassland Conference (EGC), 4-8 June, Sulmona, Italy

## COMPUTER SKILLS

- **MS Office Package** (Word, Excel, Power Point). Level: Good
- **R statistical software**®. Level: Medium
- **ESRI ArcGIS Desktop**. Level: Medium
- **QGIS Geographic Information System**. Level: Medium

## LANGUAGES

- **Italian**. Mother tongue.
- **English**. Listening: C1; Reading: C1; Writing: B2; Speaking: B2.
- **Russian**. A1/breakthrough level.

## DRIVING LICENSE: Driving license category B (cars)

## REFERENCES

- Prof. Enrico Alleva  
Director,  
Section of Behavioural Neurosciences,  
Istituto Superiore di Sanità,  
Viale Regina Elena, 299  
I-00161 Rome, Italy

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- Prof. Andy Taylor  
Professor,  
University of Aberdeen,  
Senior Researcher,  
The James Hutton Institute.  
Aberdeen, Scotland

Tel.: +44 (0)344 928 5428  
e-mail: [andy.taylor@hutton.ac.uk](mailto:andy.taylor@hutton.ac.uk)

## **INTERESTS AND HOBBIES**

In addition to my scientific interests, travelling is the most exciting activity in my life. I love meeting people and being in contact with different cultures. Every free moment is an opportunity for planning new journeys. Moreover, I like to spend my free time reading and watching movies, but I also like writing short tales, although I have never tried to make this hobby a profession. My life has been always very active, both in art and sport. I have studied music and theatre during high school and I have practiced athletics and volleyball since I was a child. I currently study piano and enjoy roller skating trip during the weekend.

## **FURTHER INFORMATION**

- 2017-2018. Volunteer for U.N.I.Vo.C (Unione Nazionale Italiana Volontari Pro Ciechi), Turin, Italy
- 2008-2012. Volunteer for ABIO (Associazione Bambini In Ospedale), association for hospitalised children. Haematology ward, General Hospital “Umberto I”, Rome, Italy.
- August 2009. Volunteer at the “Coppito” tent camp, after L’Aquila earthquake on April 6<sup>th</sup> 2009.