

Beatrice Nervo

Curriculum vitae et studiorum



PERSONAL INFORMATION

First name/ Surname	BEATRICE NERVO
Date of birth	04/07/1986
Home address	Via Cesare Battisti 75, 12045, Fossano - Italy
Telephone	(+39) 328-0580770
e-mail	beatrice.nervo@gmail.com beatrice.nervo@pec.it
Nationality	Italian

EDUCATION AND TRAINING

Dates	January 2012 – June 2015
Name and Type of organization providing education and training	Doctoral School of Sciences and Innovative Technologies University of Torino, Italy.
Title of qualification awarded	PhD in Biology and Applied Biotechnologies
PhD project	Linking biodiversity to ecosystem functioning in agro-pastoral ecosystems. My PhD project mainly aimed to detect ecological functions and ecosystem services provided by Scarabaeoidea dung beetles in alpine pastures. Lab and field experiments were used to investigate (i) the effects of dung beetle body mass on dung removal efficiency, (ii) the role of different functional groups (tunnelers and dwellers) in influencing cattle dung removal, biogeochemical cycling (e.g. soil nitrogen cycling), nutrient uptake by plants, aboveground biomass, and botanical composition; and, (iii) the effect of the assemblage structure (e.g. number of species, functional traits) on the above mentioned ecological functions.

Dates	October 2008 – October 2010
Name and Type of organization providing education and training	Faculty of Science M.F.N University of Torino, Italy.
Title of qualification awarded	Master of Science in Conservation and Animal Biodiversity (110/110 <i>cum laude</i> and right of publication)
Master's research project	Effects of weather conditions on spring migration of wetland birds. My master's thesis aimed to analyze how weather and climate changes influenced the arrival date of wetland birds in stopover areas during the last 15 years, and their stopover duration. Climatic mechanisms underlying phenological shifts were investigated.
Dates	October 2005 – October 2008
Name and Type of organization providing education and training	Faculty of Science M.F.N University of Torino, Italy.
Title of qualification awarded	Bachelor of Biological Sciences (110/110)
Bachelor's research project	Analysis of spring migration of wetland birds at L.I.P.U. centre of Racconigi. My bachelor's thesis aimed to analyze how weather conditions affect wetland bird migration during one spring season's monitoring (2008).
Dates	September 2000 – June 2005
Name and Type of organization providing education and training	G. Ancina High School for Science Fossano, Italy.
Title of qualification awarded	Scientific high school qualification

WORK/ RESEARCH AND TEACHING EXPERIENCE

Dates	May 2015 – December 2015
Address	Department of Life Sciences and System Biology Via Accademia Albertina 13, Torino Scholarship, WWF Svizzera
Main activities	Carbon footprint assessment of "Giro d'Italia 2015"

Dates	June 2011 – March 2012
Address	Zion National Park, Springdale, Route 9 (Utah, USA) Scholarship – Fondazione CRT, Torino (Master dei Talenti Neolaureati)
Main activities	Internship in the GIS Division of ZNP where I worked on: habitat modelling for Bighorn Sheep, and on the creation of geographic maps (ArcGis 10); Field activities to monitor Peregrine Falcon, Desert Tortoise and Bighorn Sheep; and, Educational programs with visitors and children.
Dates	May 2012 – December 2014
Address	Department of Life Sciences and Systems Biology, University of Torino. Via Accademia Albertina, 10127, Torino, Italy.
Main activities	Seminars on ecology, soil ecology, sampling methods to undergraduate and master's students (in courses of ecology, applied ecology and zoogeography).
Dates	January 2011
Address	The journal "La Nuova Ecologia" and the website www.ecoturismo.it/ecoturismo/index.html . Via Salaria 403, 00199, Roma
Main activities	Journalistic collaboration
Dates	February 2008 – June 2010
Address	Associazione Centro Cicogne e Anatidi of Racconigi Via Stramiano, Racconigi, Italy.
Main activities	Internship and field activities: direct counts of wetland birds during the spring migration. Assistance to educational programs for visitors.
Dates	October 2009 – November 2009
Address	Centre for Wildlife Management and Research (CERIGEFAS) Borgata Rore, Cuneo, Italy.
Main activities	Internship and field activities: sampling of ungulates and hares (<i>Lepus timidus</i>) through the method of fecal pellet counts along 30 m transects (distance sampling methods).

Dates	2006 – 2012
Address	A.s.d. Avis Atletica Fossano '75 (Athletics Sport Club). Via Roma 103, Italy.
Main activities	Athletics coach for children from 5 to 12 years old.

PERSONAL SKILLS

Languages

Preliminary English Test (PET), Pass with merit, 2004.
First Certificate in English (FIRST), C, 2005.
International English Language Testing System (IELTS), overall band score: 7, 2015

Self-assessment European level (*)	Understanding		Speaking		Writing	
	Listening	Reading	Spoken Interaction	Spoken production		
Italian	C2	C2	C2	C2	C2	C2
English	C1	C1	C1	C1	C1	C1

Technical skills and competences

Knowledge and experience in different monitoring techniques:

- Sampling of coprophagous Scarabaeoidea through pitfall traps and free sampling methods.
- Monitoring of wetland birds, in particular direct counts.
- Fecal pellet counts of alpine ungulates and hares.
- Beginner's experience in bird ringing.

Experience in biogeochemistry and in different lab techniques for soil analysis:

- Extraction of ammonium and nitrate from field moist soil.
- Colorimetric methods for ammonium and nitrate determination.
- DOC/DON analysis.
- Use of spectrophotometer and gas chromatographer.
- Stable isotope analysis
- Microdiffusion method for ¹⁵N analysis of soil extracts

Good ability in statistical analysis using univariate, multivariate techniques, and linear (GLM) and linear mixed models (GLMM).

Workshop in Statistics:

- Advanced Interdisciplinary Course "Data Exploration, Regression, GLM & GAM with introduction to R", 4-8 February 2013, Coimbra, Portugal.
(Teachers: A. Zuur, E. Ieno)
- Capture-recapture and capture-recovery analysis for the study of animal population, 24-28 November 2014, Palma de Mallorca, Spain.
(Teachers: G. Tavecchia, D. Oro)

	<p>Experience in Geographic Information System and habitat modeling.</p> <p>Good experience in writing scientific papers, presentations and posters for national and international congress (see full list below).</p>
Computer skills and competences	<p>Good use of Statistical software (R, SPSS) and Microsoft Office. Good knowledge of GPS technologies, arcGIS and arcView. Basic knowledge of MARK. Knowledge of Adobe Photoshop.</p>
Other skills and competences	<p>Athletics coach, technician for FIDAL (Federazione Italiana di Atletica Leggera)</p>
Social skills and competences	<p>Good physical skills (athletics, backpacking, swimming, mountaineering/climbing, snowboarding) Multidisciplinary approach and wide vision issues, gained through education and professional experience. Good communication and organization skills, gained through education, environmental journalism and athletics coaching. Wide field work experience gained during thesis work, jobs placement and work experience (sampling methods, GPS, orientation) Proactive and positive attitude, open-minded to a multi-cultural context and highly team-oriented. Strongly motivated and hard-working.</p>
Driving License	<p>Full driving license (Italian equivalent B)</p>

LIST OF PUBLICATIONS

1. Caprio E, **Nervo B**, Isaia M, Allegro G, Rolando A (2015) Organic versus conventional systems in viticulture: comparative effects on spiders and carabids in vineyards and adjacent forests. *Agricultural Systems*. 136 (61-69).
2. **Nervo B**, Tocco C, Caprio E, Palestri C & Rolando A (2014) Effects of body mass on dung removal efficiency in dung beetles. *PLoS ONE* 9(9): e107699.
3. Tocco C, Probo M, Lonati M, Lombardi G, Negro M, **Nervo B**, Palestri C & Rolando A (2013) Pastoral Practices to Reverse Shrub Encroachment of Sub-Alpine Grasslands: Dung Beetles (Coleoptera, Scarabaeoidea) Respond More Quickly Than Vegetation. *PLoS ONE* 8(12): e83344.
4. **Nervo B** et al., Experimental evidence shows the processes underlying the multiple ecological functions provided by dung beetles. In prep.

POSTERS AND ABSTRACTS

1. **Nervo B**, Tocco C, Iussig G, Caprio E, Celi L, Said-Pullicino D, Lonati M, Lombardi G, Palestini C & Rolando A. Servizi ecosistemici e coleotterofauna coprofaga alpina (Coleoptera: Scarabaeoidea). XXIV Convegno Italiano di Entomologia, Orsei 9-14 June 2014. Abstract Book.
2. **Nervo B**, Caprio E, Isaia M & Rolando A. Effects of vineyard management on diversity and abundance of ground-dwelling spiders and carabids. XXXIII Congresso della Società Italiana di Ecologia (SITE), Ancona 16-18 September 2013. Abstract Book.
3. **Nervo B**, Tocco C, Iussig G, Caprio E, Celi L, Lonati M, Palestini C & Rolando A (2013) Preliminary results suggest coprophagous beetles affect dung removal, soil nutrition and herbage growth in Alpine pastures. INTECOL, London 18-23 August 2013. Abstract Book.
4. **Nervo B**, Tocco C, Caprio E, Iussig G, Celi L, Lonati M, Palestini C & Rolando A. Preliminary results suggest coprophagous beetles (Coleoptera: Scarabaeidae) affect dung removal, soil nutrition and herbage growth in alpine pastures. IX Incontro dei Dottorandi in Ecologia e Scienze Ambientali, Milano 15-18 April 2013. Poster.
5. Caprio E, **Nervo B**, Vaschetti B, Vaschetti G & Rolando A. L'influenza delle condizioni meteorologiche locali sulla migrazione primaverile dei limicoli a Racconigi (Centro Lipu). XV Convegno Italiano di Ornitologia. Sabaudia, 14 -18 October 2009. Abstract Book.

Torino, 13/07/2015

