



PERSONAL INFORMATION

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Nationality
Date of Birth
Gender

Italian
15 November 1974
Male

WORK EXPERIENCE

- Dates (from - to)
- Name and address of the employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities
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- Occupation or position held
- Main activities and responsibilities
- Dates (from - to)

1 February 2018 – Present
University of Milano
Department of Environmental Science and Policy – Via Celoria, 26 – I 20133 Milano, Italy
University
Associate Professor of Ecology
Scientific research in ecology, teaching of ecology

1 April 2006 – 31 January 2018
University of Milano – Bicocca
(2015-2018) Department of Earth and Environmental Sciences – Piazza della Scienza, 1 – I 20126 Milano, Italy
(2006-2015) Department of Biotechnology and Biosciences – Piazza della Scienza, 2 – I 20126 Milano, Italy
University
Assistant Professor of Ecology
Scientific research in ecology, teaching of applied and quantitative ecology

1 November 2002 – 31 March 2006
Istituto di Istruzione Superiore G. Peano
Via A. Doria, 2 - Cinisello B (MI), Italy
High school
Teacher of Natural Sciences, chemistry and geography, microbiology
High school teacher, class-teachers coordinator, coordinator of educational projects for all the students of the school

1 April 1999 – 30 June 2001

- Name and address of the employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from - to)
- Name and type of organisation providing education and training
 - Title of qualification awarded
 - Level in national classification
- Principal subjects/occupational skills covered

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Parco Regionale Adda Sud
via A. Grandi 12 – Lodi - Italy

Natural Park

Applied ecological research on the distribution of a farmland bird species

Research planning, field work, statistical data analysis

April 2007

University of Milano – Bicocca, Milano, Italy

Degree in Statistics

110/110 cum laude

Statistical analysis of data

October 2002

University of Milano, Milano, Italy

PhD in Natural and Environmental Sciences

Thesis title "The reproductive ecology of the Barn Swallow"

Scientific research on behavioural ecology

April 1998

University of Insubria, Varese, Italy

Certificate of attendance to the course of "Methods in applied ecology"

Ecology, ecotoxicology, management of natural resources

November 1997

University of Milano, Milano, Italy

Master Degree in Natural Sciences

110/110 cum laude

Biology, geology, ecology

June 1993

Liceo Ginnasio Arnaldo, Brescia, Italy

Diploma di Maturità classica (High school diploma with an emphasis of humanity)

60/60

Italian literature, latin and ancient greek, phylosophy

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

Italian

OTHER LANGUAGES

English

- Reading
- Speaking
- Writing

Proficient user

Proficient user

Proficient user

SOCIAL SKILLS AND COMPETENCES

Team working: almost all my research projects were conducted while working in a team of scientists. Field works, in particular, were usually conducted in team.

Teaching: I have long teaching experience both at high school and at university.

Communication: I presented several talks to scientific congresses and meetings, both in Italian and in English.

ORGANISATIONAL SKILLS AND COMPETENCES .

Team leader: I was team leader in several scientific research activities.

Project manager: I was project manager in scientific research projects.

TECHNICAL SKILLS AND COMPETENCES.

Statistical analysis of data with different statistical software (R, S-plus, SAS, SPSS), European Computer Driving License (ECDL)

OTHER SKILLS AND COMPETENCES

I am an experienced mountaineer. I regularly practice free-climbing and ski mountaineering. I participated to a mountain expedition in the Cordillera Blanca (Peruvian Andes) and to a research expedition on the Baltoro Glacier (Karakoram, Pakistan) collecting samples up to 6.000 m a.s.l.

Italian Mountain Leader since 2000.

DRIVING LICENCE(S)

A - B

ANNEXES

SCIENTIFIC CURRICULUM VITAE

MAIN RESEARCH INTERESTS

Birds and climate change: Significant temporal changes in the timing (phenology) of bird migration are probably linked to recent climate change. My research group have first proved that long-distance migrants may be able to predict meteorological conditions in their breeding areas while they are still in Africa and adjust their migration schedule consequently.

Bird migration and ringing data: My research group is developing new statistical approaches for the investigation of migration timing and routes and migratory connectivity based on the analysis of ringing data.

Maternal effects. Maternal effects comprise a class of phenotypic effects where the genotype of a mother is expressed in the phenotype of her offspring, unaltered by paternal genetic influence. My research group is currently studying maternal effects mediated by nutritional constraints of the yellow-legged gull (*Larus michahellis*).

Air ecology: In collaboration with microbiologists and chemists, I investigate the ecological determinants shaping the structure and dynamic of bacterial communities in air-born particulate matter and on the phyllosphere (i.e. bacteria inhabiting leaves surface).

Glacier ecology: In collaboration with microbiologists, zoologists and glaciologists I investigated the ecological determinants shaping the structure and dynamic of bacterial communities on glaciers and near-glacier areas. We also focused on pollutant degradation on glaciers.

PUBLICATIONS

I have authored 151 papers in 77 different peer-reviewed international journals, 43 of which as first, last or corresponding author.

Total IF of my publication is 516.9. The total number of citations is 4054 (Scopus, 1 September 2022)

Hirsch index: 30 (Google Scholar, 6 December 2021); 35 (Scopus, 6 December 2021)

5-year H-index: 13 (Scopus, 1 September 2022)

ORCID: 0000-0002-7148-1468; Scopus Author ID: 57188996262

See also https://www.researchgate.net/profile/Roberto_Ambrosini for a list of my publications and research activities

SEMINARS AND CONGRESSES

I have given seminars and I have been a speaker at >30 different Italian and international conferences and meetings

EDITOR JOBS

Since 3 July 2014 I am Academic Editor of PLOS One (<http://journals.plos.org/plosone/static/editorial-board>).

Since 1 October 2019 I am Editor in Chief of Avocetta – Journal of Ornithology (<https://www.avocetta.org>).

REFeree JOBS

I reviewed 107 manuscripts for >30 different scientific journals (<https://publons.com/author/392662/roberto-ambrosini#profile>)

TEACHING

Quantitative ecology (2006-present)

Applied Ecology (2007- 2009 and 2014-present)

Water Ecology (2010-2013)

Applied Ecology Lab (2009-2010)

Statistics for PhD students in Biology (2015-2017) and for PhD students in Environmental Sciences (2012-Present).

I have I have been supervisor of 2 PhD students and co-supervisor of other 2 PhD students, >20 master thesis and >40 degree dissertations. Currently I am tutor of one Post-Doc student and co-supervisor of 2 PhD students

PEER REVIEWS

I have been peer reviewer of 17 national and international grant applications. I served as reviewer of >50 scientific papers for >20 international journals including Acta Oecologica; Agriculture, Ecosystems and Environment; African Journal of Environmental Science and Technology; Bird Conservation International; Bird Study; Climate Research; Ecological Indicators, Environmental Pollution; Ibis; Italian Journal of Zoology; ISME Journal; Journal of Animal Ecology; Journal of Applied Ecology; Journal of Ethology; Journal of Field Ornithology; Journal of Limnology; Journal of Onithology; Methods in Ecology and Evolution; Oecologia; PeerJ; PLoS One.

See also <https://publons.com/author/392662/roberto-ambrosini#profile>.

FINANCED PROJECTS

- 2021-2023 "ECO-ROADS" Innovative barriers for mitigation of noise and Chemical pollution from ROADS Project funded by PON – Coordinator ANAS. Role: **member of a research unit**. Budget: 3,848,622.00 €
- 2020-2021 "Mountain Plast". Project funded by Dipartimento per gli Affari Regionali e le Autonomie della Presidenza del Consiglio dei Ministri –Coordinator. Prof. Guglielmina Diolaiuti. Role: **member of a research unit**. Budget:80,000.00 €
- 2020-2022 "RosS-MODE" Ross Sea biodiversity Monitoring through barcoding, metabarcoding and e-DNA. Project funded by Italian PNRA – Coordinator Prof. Gentile Francesco Ficetola – University of Milano. Role: **member of a research unit**. Budget 298,200.00 €
- 2019-2020 "Migratory connectivity module" tender for the realization of a scientific research module for the CSM-EURING European-African bird migration atlas Lombardia – Role: **scientific responsible**. Budget: 34,000.00 €
- 2018-2022 "IceCommunity" – Consolidator ERC grant on the colonization patterns of proglacial areas – Coordinator Prof. Gentile Francesco Ficetola – University of Milano. Role: **member of a research unit**.
- 2015-2016 "SINERGIA" project aiming at demonstrating the biotechnological potentiality phyllosphere and airborne in degrading pollutants. Project funded by INAIL (the Italian institute for worker health and safety). – Coordinator Dr. Andrea Franzetti – University of Milano-Bicocca. Role: **member of a research unit**.
- 2014-2016 "Dynamics of Emerging and Legacy contaminants in the Alpine glacial environment and their impact on water resource (DELTA)" - Project funded by University of Milano Bicocca – Coordinator: Prof. Marco Vighi – University of Milano Bicocca. Role: **member of the research unit**. Budget: 24,000.00 €
- 2011-2015 "It's time to help Barn swallows". Project funded by Regione Lombardia – Role: **scientific responsible**. Budget: 60.000,00 €
- 2011-2014 "Dynamic of morpho-climatic systems in response to global changes and consequent geo-morphological risk". Project funded by the Italian Ministry of Education, University and Research (MIUR) (PRIN grant 2010AYKTAB_006) – Coordinator Prof. Carlo Baroni – University of Pisa. Role: **member of a research unit**.
- 2009 "Effects of climate change on bird migration" Project funded by CARIPLO Foundation (UNIAGI 13357) – Coordinator: Prof. Nicola Saino – University of Milano. Role: **coordinator of the research unit**.
- 2009 "Effects of climate change on water resource from snow and ice melting and on farming activities in Karakoram (Pakistan, Asia)". Call for research projects "Expo dei Territori – Verso il 2015". Coordinator: Prof. Claudio Smiraglia – University of Milano. Role: **coordinator of the research unit**.
- 2008 Interactions between MHC genotype and androgen-mediated maternal effects on phenotype and sexual choice in the Common Pheasant (*Phasianus colchicus*)" Project funded by the Italian Ministry of Education, University and Research (MIUR) (PRIN grant 20082X5YZC) – Coordinator Prof. Nicola Saino – University of Milano. Role: **member of a research unit**.
- 2008 "POR – Researcher grant". Funded by Regione Lombardia - Recipient dott. Massimiliano Mori, Role: **tutor**
- 2007 "NaturalMente: multi-media scientific dissemination". Funded by Progetto INGENIO - Regione Lombardia - Recipient dott. Pietro Bertoglio. Role: **tutor**.

COLLABORATIONS

The European Union for Bird Ringing (EURING)
Schweizerische Vogelwarte Sempach
Laboratoire d'Ecologie, Systématique et Evolution – Université Paris-Sud – Paris
Department of Animal Taxonomy and Ecology - A. Mickiewicz University – Poznań
Laboratory of Neurogenetics of Language – Rockefeller University – New York
California State Polytechnic University – Pomona
Dipartimento di Scienze dell'Ambiente e della Terra – Università degli Studi di Milano Bicocca
Dipartimento di Biologia - Università degli Studi di Milano
Parco Regionale Adda Sud
Parco Regionale Pineta di Appiano Gentile e Tradate

SCIENTIFIC EXPEDITIONS IN REMOTE AREAS

I participated to and organized several expedition in mountain areas, including remote ones

August 2019 North Norway (Staindals Glacier) (Norwegian Alps)

July 2019 Svalbard

February 2019 Exploradores glacier and other glaciers of central Andes (Chile)

July 2018 Svalbard

February 2018 Exploradores glacier and other glaciers of central Andes (Chile)

March 2017 Perito Moreno Glacier (Andes, Argentina)

October 2014 Khumbu and Changi-Nup Glaciers (Himalaya, Nepal)

July 2013 Baltoro Glacier (Karakoram, Pakistan).

OTHER

In 2020 and 2021 I was co-protagonist of a documentary film on microplastics in glacier environments.

In 2019 I participated to the realization to a project on innovative teaching methods through the realization of immersive-reality videos.

In 2011 I was the scientific responsible for three documentary films on the barn swallows

In 2002-2009 I collaborated to the production of five documentary films on ungulates. I directed some of them and did the filming of most of them