

## Roberto Sacchi

### Full Professor

### SSD BIO/05 - Zoology

*Department of Earth and Environmental Sciences*

University of Pavia, Via Taramelli 24, 27100 Pavia, Italy.

Tel 0039 0382 987720

Fax: 0039 0382 987712

E-mail: roberto.sacchi@unipv.it

My current researches are in the field of behavioral ecology and sexual selection, mainly in birds (owls and barn swallow), reptiles (lizards and tortoises) and insects (dragonflies). I also focused my interests on the evolution and maintenance of colour polymorphism, with particular attention to the correlations of morphs with immunity, breeding success and behavioural strategies. In recent years I expanded my work on ecological niche modelling and morphological adaptations in an evolutionary perspective. I am also interested in behaviour and ecology of crayfish and how we can translate the results of research into conservation.

**ScopusID: 7006740367**

**ResearcherID: E-2141-2011**

**OrcidID: 0000-0002-6199-0074**

#### Academic Qualifications

- **2017:** National Scientific Qualification: full professor - SSD 05/B1 Zoology
- **2014:** National Scientific Qualification: full professor - SSD 05/C1 Ecology
- **2014:** National Scientific Qualification: full professor - SSD 05/C1 Ecology
- **2014:** National Scientific Qualification: Associate professor - SSD 05/B1 Zoology
- **2004:** - PhD in Animal Biology. University of Pavia. Thesis entitled: "Breeding biology in Chelonians: morphology, haematology and behaviour in relation with mounting vocalizations"
- **1994:** Bachelor Degree (First Class Honours). University of Milano. Thesis entitled: "Territorial behaviour and singing activity in the Scops owl (*Otus scops*)".

#### Academic Employment

- **2021-present:** Full Professor in Zoology – University of Pavia.
- **2015-2021:** Associate Professor in Zoology – University of Pavia
- **2014-present:** Member of the Teaching Board of the PhD Program in Earth and Environmental Sciences.
- **2011 - 2013:** Member of the Teaching Board of the PhD in Experimental Ecology and Geobotany. University of Pavia.
- **2009 - 2015:** Adjunct Professor in Statistics for biologists (6 credits). University of Pavia.
- **2008 - 2015:** Researcher in Zoology. University of Pavia.
- **2005-2007:** Assistant to teaching in Zoology and Evolutionary Biology. University of Pavia.
- **2004-2008:** Postdoctoral fellow in Zoology. University of Pavia.
- **2002:** University fellow for young researchers. University of Pavia.
- **2001:** University fellow in Zoology. University of Pavia

## Editorial Board

- **2013** - : Amphibia-Reptilia
- **2006-2012**: Acta Herpetologica
- **2004-2007**: Avocetta

## Research Projects

- **2022-2024: PRIN 2022 - PNRR**. Project: ECO-AID: An effective monitoring framework for biodiversity conservation that combines ECOacoustics with Artificial Intelligence and satellite Data transmission and elaboration - Role: PI of a research unit - Budget: 85.000 €
- **2022-2024: PRIN 2022**. Project: IntraChange. Intraspecific variation to assess the response of endemic species to global changes - Role: PI of a research unit - Budget: 102.199 €
- **2022-2023: Regione Liguria, UE 508/2014 – FEAMP**. Project: POFEAM - Improving and increasing the genetic knowledge of trout (genus *Salmo*) for environmental sustainability in the area of the Antola and Tigullio valleys - Role: PI - Budget: 125.510 €
- **2019-2023: CARIPLO**. Project: OLTRE NATURA - Protection of natural and social capital through the enhancement of ecosystem services and networking in Oltrepò Pavese - Role: PI (UPV is partner) - Budget: 934.880 €
- **2019-2024: LIFE**. Project: CLAW – Crayfish lineages conservation in north-western Apennine LIFE18 NAT/IT/000806. - Role: PI (UPV is partner) - Budget: 3.711.742 €
- **2018-2019: Regione Piemonte**. Project: Restoration of the biodiversity of aquatic zoocenosis compromised by highly invasive alien species in the streams of the Alessandria Province. - Role: PI - Budget: 22.000 €
- **2017-2018: LIFE14 IPE/IT/000018**. Project: Life IP Gestire 2020. Action A15. Design of conservation measures and interventions of *Austropotamobius pallipes* - Role: PI (UPV is subcontractor) - Budget (UPV): 26.000 €
- **2012-2015: CARIPLO**. Project: Ecological corridors between Appennines and Po plain – Southern Lombardy - Role PI (UPV is partner) - Budget: 768.738 €
- **2012-2015: LIFE10/NAT/IT/241**. Project: LIFE TIB - Trans Insubria Bionet. Monitoring of amphibians and reptiles (Actions C1, C2, C3, C4, C5, C9, C10 and C11) - Role: PI (UPV is subcontractor) - Budget (UPV): 70.600 €
- **2012-2013: LIFE08/NAT/352**. Project: CRAINat - Conservation and Recovery of *Austropotamobius pallipes* in Italian Natura2000 Sites - Role: PI for the last two years of the project (UPV is subcontractor) - Budget (UPV): 225.600 €
- **2012: CARIPLO**. Project: Phytopurification - The spread of a sustainable choice - Role: PI for the last year of the project (UPV is partner) - Budget: 56.160 €
- **2012: CARIPLO**. Project: Conservation of the biodiversity of the Adda Nord Park - Conservation of the native crayfish *A. pallipes* - Role: PI (UPV is subcontractor) - Budget (UPV): 30.000 €
- **2010-2011: PRIN**. Project: Climate effects on populations in homeotherm model species: development of predictive models of climate change - Role: unit member (researcher)

## Institutional Activity

- **2019**: Member of the Organizing and Scientific Committees for the 20th European Congress of Herpetology (Milan)
- **2016-2022**: Coordinator of the PhD Program in Earth and Environmental Sciences – University of Pavia.

## Teaching

- **2023-present:** Applied statistics II (3 CFU), Master's Degree - University of Pavia
- **2020-present:** Systematic Zoology (9 CFU), Bachelor's Degree - University of Pavia
- **2019:** Ethology (1 CFU), Master's Degree - University of Pavia
- **2017-Present:** Herpetology (3 CFU), Master's Degree - University of Pavia
- **2013-2020:** Applied Ecology (6 CFU), Bachelor's Degree - University of Pavia
- **2009-2021:** Applied statistics (6 CFU), Master's Degree - University of Pavia
- **2005-2010:** Bioindicators and Biosensors (3 CFU), Bachelor's Degree - University of Pavia
- **2003-2006:** Applied Zoology (3 CFU), Bachelor's Degree - University of Pavia