

Paolo Galeotti

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ssd BIO/05

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EDUCATION AND SCIENTIFIC CAREER

- Born in Milan, January 4th 1957.
- 1975 School-leaving certificate in a classical liceo with first-class honours (60/60).
- 1979 Master's Degree in Natural Sciences (110/110 cum laude), University of Pavia.
- 1986 Curatorship of the Zoological Museum L. Spallanzani, Department of Animal Biology, University of Pavia.
- 1994 Visiting Scholarship at Department of Zoology – University of Oxford (UK).
- 1998 Associate Professor of Behavioural Ecology and Evolutionary Biology for Biological Sciences, University of Pavia.
- 1999 Visiting Scholarship at Department of Zoology – University of Cambridge (UK).
- 1998-2002 - participation to the International Project "***Coastal and inland wetlands in China and Pakistan: colonial waterbirds as bioindicators of pollutant levels and effects***" funded by the EU.
- 2000-2002 Chair of a Research Unit, Project of National Interest "***Partner selection, sperm competition and acoustic signals***" funded by MURST, COFIN 2000.
- 2002 - participation to the Research Project of National Interest "***Early maternal effects through egg transmission of androgens and carotenoids in bird species***" funded by MIUR, COFIN 2002.
- 2002-2005 - participation to the International Project "***Development and Conservation of communities of the Lake Turkana ecosystem***" funded by Ministero Affari Esteri in collaboration with University of Pavia, National Museum of Kenya and Kenya Wildlife Service.

- 2010 - participation to the International Project “*Sustainable Development of Soqatra Archipelago (Yemen)*” funded by Ministero Affari Esteri
- 2010-2012 Chair of a Research Unit, Project of National Interest “*Sexual selection, sperm competition and sperm quality in relation to multiple SSCs: the crayfish Austropotamobius italicus as a species model*” funded by MIUR, PRIN 2008
- 2015 National Scientific Qualification as **Full Professor in Zoology** (P.O.)

RESEARCH ACTIVITY

Areas of Research Interest

- Landscape Ecology and Wildlife Management: Planning, Survey and Censusing
- Behavioural Ecology: Breeding investment and Sexual selection; Bioacustics and Animal communication; Aggression, Defense and Foraging
- Evolutionary Biology: Colour Polymorphism, Signal Evolution, Phenotypic Plasticity

Model organisms

- Birds: herons, waterfowl, owls, swifts, barn swallows, bee-eaters, gulls
- Reptiles: terrestrial tortoises, lizards
- Amphibians: frogs
- Crustaceans: freshwater crayfish

Current Projects

- Evolution and maintenance of colour polymorphism in Birds (Strigiformes) and Reptiles (Lacertidae).
- Signals and communication in Reptiles (Testudinidae).
- Anatomical and neuro-physiological plasticity induced by predator chemical cues in tadpoles (Ranidae)
- Sexual selection and sexual behaviour in humans

Scientific Productivity

- He authored **194** scientific articles consisting of **101** full papers (**80** on ISI journals), **64** proceedings from national and international Conferences, **16** books and book chapters, **13** contributes on popular magazines.

- ISI International citations: **2001**, H-index: **25**
- GOOGLE International citations **3168**, H-index: **34**
- Conference participation as contributor, invited speaker or chairman: **57**

Other scientific activity

- 2003 - 2007 **Editor** of Avocetta, international Journal of Ornithology.
- 2010 Member of the Editorial Board of the International open access Journal **ISRN Zoology**
- He acts as a **Referee for 35 international and 3 national Journals**:
 Proceedings of the Royal Society of London, Evolution, PLOS/one, Evolutionary Biology, Biology Letters, Oikos, Ecography, Behavioral Ecology, Animal Behaviour, Behavioral Ecology & Sociobiology, Aggressive Behaviour, Biological Journal of the Linnean Society, Journal of Avian Biology, Ethology, AUK, The Condor, Ibis, Bioacoustics, Journal of the Acoustical Society of America, Journal of Zoology (London), Canadian Journal of Zoology, Ethology Ecology & Evolution, Journal of Field Ornithology, Wilson Bulletin, Ardeola, Acta Oecologica, The Journal of Raptor Research, Folia Zoologica, Animal Biology (formerly Netherland Journal of Zoology), Journal of Wildlife Research, Biota, Ornitologia Neotropical, Zoology and Ecology (formerly Acta Zoologica Lituanica, Italian Journal of Zoology, Avocetta, Rivista Italiana di Ornitologia, Acta Biologica.
- He acts as a **Referee for International and National Research Projects**:
 National Science Foundation (USA), University of Padua, MURST/MIUR (COFIN-PRIN).
- He acts as **ad-hoc Consultant** for National Institute for Wildlife Biology (ISPRA). National Committee for Electrical Energy (ENEL), Italian Petroleum Agency (AGIP), CONOCO Italy, National Geographic Society, Lombardy Regional Government, Regional Park of the River Ticino Valley, Regional Park of the Bergamo Hills, Piedmont Regional Government, Provincial Governments of Alessandria, Pavia, Piacenza, Trieste, Oristano

Memberships

Unione Zoologica Italiana (U.Z.I.)
 Società Italiana di Etologia (S.I.E.)

Associazione Nazionale Musei Scientifici (A.N.M.S.)
World Working Group on Birds of Prey & Owls (W.W.G.B.P.)
Association for the Study of Animal Behaviour (ASAB)
National Geographic Society

TEACHING

Current Teachings

Master's Degree Course in Experimental and Applied Biology – Environmental Biology and Biodiversity

- Course of Behavioral Ecology (6 credits)
- Course of Evolutionary Biology (6 credits)

Bachelor Degree Course in Natural Sciences and Technologies

- Course of Evolutionary and General Zoology (6 credits)

Past Teachings

- Applied Zoology, Bachelor Degree Course in Biological Sciences (2001-2011).
- Bioindicators and Biosensors. Master's Degree Course in Experimental and Applied Biology (2001-2008).
- Specialization Course in Wildlife Management and Conservation – University of Florence (1998)
- Training Course in Global Management of the Environment Legacy - Information & Communication Technology Oriented - CESES (European Center for School, Education and Society), Lombardy Region and University of Pavia (2001)
- Master's Degree Course in Wildlife Management and Conservation – University of Pavia (2003-2005)

Member of the Teaching Board of the PhD in EARTH AND ENVIRONMENTAL SCIENCES– University of Pavia

Supervisor of 42 Master's degree Theses in Biological and Natural Sciences.

Tutor of 7 PhD Theses

Seminars and lectures: Istituto Superiore di Sanità, Regione Lombardia, Regione Marche, Museo di Storia Naturale di Milano, Università di Torino, Università di Milano, Università di Firenze, Parco del Ticino Lombardo, Parco del Ticino Piemontese.

SELECTED PUBLICATIONS 2003-2017

2017

GAZZOLA, A., BALESTRIERI, A., GHITTI, M., PAGANELLI, D., **GALEOTTI, P.** 2017 Behavioural and life history responses to predation risk by common frog tadpoles exposed to two predators during ontogeny. **Acta Ethologica** 20 (3): 235-241 **I.F. 1.417**

2016

BERNINI G., BELLATI A., PELLEGRINO I., NEGRI A., GHIA D., FEA G., SACCHI R., NARDI P. A., FASOLA M., **GALEOTTI P.** 2016. Complexity of biogeographic pattern in the endangered crayfish *Austropotamobius italicus* in northern Italy: molecular insights of conservation concern. **Conservation Genetics**. DOI 10.1007/s10592-015-0767-4. **I.F. 2.19**

2015

GAZZOLA A., BRANDALISE F., RUBOLINI D., ROSSI P. **GALEOTTI P.**, 2015. Fear is the mother of invention: anuran embryos exposed to predator cue alter life history traits, post-hatching behaviour and neuronal activity patterns. **Journal of Experimental Biology** 218:3919-3930, doi:10.1242/jeb.126334. **I.F. 2.90**

SACCHI R., MANGIACOTTI M., SCALI S., SANNOLO M., ZUFFI M. A. L., PELLITTERI-ROSA D., BELLATI A., **GALEOTTI P.** and FASOLA M. 2015. Context-dependent expression of sexual dimorphism in island populations of the common wall lizard (*Podarcis muralis*). **Biological Journal of the Linnean Society** 114: 552-565. **I.F. 2.26.**

2014

PELLITTERI-ROSA D., MARTÍN J., LÓPEZ P., BELLATI A., SACCHI R., FASOLA M.,

GALEOTTI P. 2014. Chemical polymorphism in male femoral gland secretions matches polymorphic coloration in Common wall lizards (*Podarcis muralis*). **Chemoecology** DOI 10.1007/s00049-014-0148-3. **I.F. 1.945**

BELLATI A., TIBERTI R., COCCA W., GALIMBERTI A., CASIRAGHI M., BOGLIANI G., **GALEOTTI P.** 2014. A dark shell hiding great variability: a molecular insight into the evolution and conservation of melanic Daphnia populations in the Alps. **Zoological Journal of the Linnean Society** **171**: 697-715. **I.F. 2.583**

2013

SACCHI R., PELLITTERI-ROSA D, MARCHESI M., **GALEOTTI P.** & FASOLA M. 2013 A comparison among sexual signals in courtship of European tortoises. **Journal of Herpetology** **47**: 215-221. **I.F. 1.077.**

GALEOTTI P., SACCHI R., PELLITTERI-ROSA D., BELLATI A., COCCA W., GENTILLI A., SCALI S. 2013. Colour Polymorphism and Alternative Breeding Strategies: Effects of Parent's Colour Morph on Fitness Traits in the Common Wall Lizard. **Evolutionary Biology** **40**: 385-394. DOI:10.1007/s11692-012-9222-3. **I.F. 3. 61**

SACCHI R., PELLITTERI-ROSA D, **GALEOTTI P.** & FASOLA M. 2013. Colour variation in the polymorphic common wall lizard (*Podarcis muralis*): an analysis using the RGB colour system. **Zoologischer Anzeiger** **252**: 431-439. **I.F. 1.45**

2012

GALEOTTI P., BERNINI G., LOCATELLO L., SACCHI R., RUBOLINI D., FASOLA M. 2012. Sperm traits negatively covaries with size and asymmetry of a secondary sexual trait in a freshwater crayfish. **PLOS/One** **7(8)**. e43771. **I.F. 4.092.** doi:10.1371/journal.pone.0043771.

SERRA L., PIRRELLO S., CAPRIOLI M., GRIGGIO M., ANDREOTTI A., ROMANO A., PILASTRO A., SAINO N., SACCHI R., **GALEOTTI P.**, FASOLA M., SPINA F., RUBOLINI D. 2012. Seasonal decline of offspring quality in the European starling *Sturnus vulgaris*: an immune challenge experiment. **Behavioural Ecology & Sociobiology** **66**: 697-709. **I.F. 3.179**

SACCHI R., PELLITTERI-ROSA D, **GALEOTTI P.**, ZUFFI, M. A. L., FASOLA M. 2012. Studying the reproductive biology of the Common wall lizard *Podarcis muralis* using ultrasonography. **Journal of Zoology** **287**: 301-310. **I.F. 2.043.**

PELLITTERI-ROSA D., SACCHI R., PUPIN F., BELLATI A., COCCA W., GENTILLI A., **GALEOTTI P.**, FASOLA M. 2012. Testing the ability to store sperm: an experimental manipulation of mating opportunities in the common wall lizard, *Podarcis muralis*. **Acta Herpetologica 7**: 111-118. **I.F. 0.580.**

SACCHI R., PELLITTERI-ROSA D., BELLATI A., SCALI S., TRONCONI D., **GALEOTTI P.**, FASOLA M. 2012. Biological correlates of two dorsal color pattern types in the Common Wall Lizard, *Podarcis muralis* (Laurenti, 1768). **Herpetozoa 25**: 3-11. **I.F. 0.389.**

DE MARCHI G., FASOLA M., CHIOZZI G., BELLATI A., **GALEOTTI P.** 2012. Sex discrimination of Crab Plovers (*Dromas ardeola*) by morphometric traits. **Waterbirds 35**: 332-337. **I.F. 0.757.**

2011

BELLATI A., PELLITTERI-ROSA D., SACCHI R., NISTRI A., GALIMBERTI A., CASIRAGHI M., FASOLA M., **GALEOTTI P.** 2011. Molecular survey of morphological subspecies reveals new mitochondrial lineages in *Podarcis muralis* (Squamata: Lacertidae) from the Tuscan Archipelago (Italy). **Journal of Zoological Systematics and Evolutionary Research 49**: 240-250. **I.F. 1.384**

PELLITTERI ROSA D., SACCHI R., **GALEOTTI P.**, MARCHESI M., FASOLA M. 2011. Courtship displays are condition-dependent signals that reliably reflect male quality in Greek Tortoises. **Chelonian Conservation and Biology 10**: 10-17. **I.F. 0.808**

GALEOTTI P., SACCHI R., PELLITTERI ROSA D., FASOLA M. 2011. The yellow cheek-patches of the Hermann's tortoise: sexual dimorphism and relationship with body condition. **Italian Journal of Zoology 78**: 464-470. **I.F. 0.843**

2010

PELLITTERI-ROSA D., SACCHI R., **GALEOTTI P.**, MARCHESI M., FASOLA M. 2010. Do Hermann's tortoises (*Testudo hermanni*) discriminate colours? An experiment with natural and artificial stimuli. **Italian Journal of Zoology 76**: 481-491. **I.F. 0.843**

SACCHI R., SCALI S., PELLITTERI-ROSA D., PUPIN F., GENTILLI A., TETTAMANTI S., CAVIGIOLI L., RACINA L., MAIOCCHI V., **GALEOTTI P.**, FASOLA M. 2010. Photographic identification in reptiles: a matter of scales. **Amphibia Reptilia 31**: 489-502. **I.F. 0.976**

GALEOTTI P., PELLITTERI-ROSA D., SACCHI R., GENTILLI A., PUPIN F., RUBOLINI D., FASOLA M. 2010. Sex-, morph- and size-specific susceptibility to stress measured by

haematological variables in captive common wall lizard *Podarcis muralis*.

Comparative Biochemistry & Physiology A. 157: 354-363. I.F. 2.134

2009

GALEOTTI P., RUBOLINI D., PUPIN F., SACCHI R., ALTOBELLI E., NARDI P. A., FASOLA M. 2009. Presence of rivals reduces mating probability but does not affect ejaculate size in the freshwater crayfish *Austropotamobius italicus*. **Behaviour 146: 45-68. I.F. 1.604**

SACCHI R., PUPIN F. GENTILLI A., RUBOLINI D., SCALI S, FASOLA M., **GALEOTTI P.** 2009. Male-male combats in a polymorphic lizard: residency and size, but not colour, affect fighting rules and contest outcome. **Aggressive Behavior 35: 274-283. I.F. 1.240**

GALEOTTI P., RUBOLINI D., SACCHI R., FASOLA M. 2009. Global changes and animal phenotypic responses: melanin-based plumage redness of scops owls increased with temperature and rainfall during the last century. **Biology Letters 5: 532-534. I.F. 3.521**

2008

RUBOLINI D., BRICHETTI P., **GALEOTTI P.**, FASOLA M. 2008. Recent decline of Italian Sparrow *Passer italiae* urban populations in northern Italy. **IBIS 150: 177-181. I.F. 1.219**

GALEOTTI P., RUBOLINI D., PUPIN F., SACCHI R., FASOLA M. 2008 Sperm removal and ejaculate size correlate with chelae asymmetry in a freshwater crayfish species. **Behavioral Ecology and Sociobiology 62: 1739-1745. I.F. 2.917**

2007

GALEOTTI P., PUPIN F., RUBOLINI D., SACCHI R., NARDI P. A., FASOLA M. 2007. Effects of female mating status on copulation behaviour and sperm expenditure in the freshwater crayfish *Austropotamobius italicus*. **Behavioral Ecology and Sociobiology 61: 711-718. I.F. 2.754**

FICETOLA G. F., SACCHI R., SCALI F., GENTILLI A. , DE BERNARDI, **GALEOTTI P.** 2007. Vertebrates respond differently to human disturbance: implications for the use of a focal species approach. **Acta Oecologica 31: 109-118. I.F. 1.306.**

RUBOLINI D., SACCHI R., PUPIN F., SCALI F., GENTILLI A., RAZZETTI E, **GALEOTTI P.**, FASOLA M. 2007. Morph-specific immunity in male *Podarcis muralis*. **Amphibia-Reptilia 28: 408-412. I.F. 0.929**

SACCHI R., SCALI S., **GALEOTTI P.**, FASOLA M 2007. The numerical encoding of scale morphology highly improves photographic identification in lizards. **Acta Herpetologica 2**: 27-35. **I.F. 0.580.**

RUBOLINI D., **GALEOTTI P.**, PUPIN F., SACCHI R., FASOLA M: 2007. Repeated mating and sperm depletion in relation to body size among freshwater crayfish *Austropotamobius italicus* males. **Freshwater Biology 52**: 1898-1906 **I.F. 2.650.**

SACCHI R., PUPIN F., ZUFFI M. A. L., SCALI S., BONCOMPAGNI E., BINDA A., **GALEOTTI P.**, FASOLA M. 2007. Blood cell morphology of the Moorish gecko, *Tarentola mauritanica*. **Amphibia-Reptilia 28**: 503-508. **I.F. 0.929.**

GALEOTTI P., SACCHI R., PELLITTERI ROSA D., FASOLA M. 2007. Olfactory discrimination of species, sex, and sexual maturity by the Hermann's tortoise *Testudo hermanni*. **Copeia 2007 (4)**: 980-985. **I.F. 1.117.**

GALEOTTI P., RUBOLINI D. 2007. Head ornaments in owls: what are their functions? **Journal of Avian Biology 38**: 731-736 **I.F. 2.381.**

SACCHI R., SCALI S., PUPIN F., GENTILLI A., **GALEOTTI P.**, FASOLA M. 2007. Microgeographic variation of colour morph frequency and biometry of common wall lizards. **Journal of Zoology 273**: 389-396. **I.F. 1.516.**

PUPIN F., SACCHI R., GENTILLI A., **GALEOTTI P.**, FASOLA M. 2007. Discrimination of toad calls by smooth newts: support for the heterospecific attraction hypothesis. **Animal Behaviour 74**:1683-1690. **I.F. 2.752**

2006

GHERARDI F., RENAI B., **GALEOTTI P.**, RUBOLINI D. 2006. Nonrandom mating, mate choice, and male-male competition in the crayfish *Austropotamobius italicus*, a threatened species. **Archive für Hydrobiologie 165**: 557-576. **I.F. 1.362**

GALEOTTI P., RUBOLINI D., FEA G., GHIA D., NARDI P. A., GHERARDI F., FASOLA M. 2006. Female freshwater crayfish adjust egg and clutch size in relation to multiple male traits. **Proceedings of the Royal Society of London B 273**: 1105-1110. **I.F. 3.612**

RUBOLINI D., **GALEOTTI P.**, FERRARI G., SPAIRANI M., BERNINI F., FASOLA M. 2006. Sperm allocation in relation to female size, male traits and copulation behaviour in a freshwater crayfish. **Behavioral Ecology and Sociobiology 60**: 212-219. **I.F. 2.316**

RUBOLINI D., PUPIN F., SACCHI R., GENTILLI A., ZUFFI M.A.L., **GALEOTTI P.**, SAINO N. 2006. Sexual dimorphism in digit length ratios in two lizard species. **Anatomical Records A 288A**: 491-497. **I.F. 1.973**

2005

GALEOTTI P., SACCHI R., PELLITTERI ROSA D., FASOLA M. 2005. Female preference for fast-rate, high-pitched calls in Hermann's Tortoises *Testudo Hermanni*. **Behavioral Ecology 16**: 301-308. **I.F. 2.943**

GARAMSZEGI L.Z., BALSBY T.J.S, BELL B.D., BOROWIEC M., BYERS B. E. DRAGANOIU T., EENS M., FORSTMEIER W., **GALEOTTI P.**, GIL D., GORISSEN L., HANSEN P., LAMPE H. M., LEITNER S., LONTKOWSKI J., NAGLE L., NEMETH E., PINXTEN R., ROSSI J-M., SAINO N., TANVEZ A., TITUS R., TÖRÖK J., VAN DUYSE E., MØLLER A. P. 2005. Estimating the complexity of bird song by using capture-recapture approaches from community ecology. **Behavioral Ecology and Sociobiology 57**: 305-317. **I.F. 2.232**

RUBOLINI D., ROMANO M., BONCORAGLIO G., FERRARI R. P., MARTINELLI R., **GALEOTTI P.**, FASOLA M., SAINO N. 2005. Effects of elevated egg corticosterone levels on behavior, growth and immunity of yellow-legged gull (*Larus michahellis*) chicks. **Hormones & Behavior 47**: 592-605. **I.F. 3.737**

GALEOTTI P., SACCHI R., FASOLA M., BALLASINA D. 2005. Do mounting vocalisations in tortoises have a communication function? A comparative analysis. **Herpetological Journal 15**: 61-71. **I.F. 0.706**

GALEOTTI P., SACCHI R., VICARIO V. 2005. Fluctuating asymmetry in body traits increases predation risks: tawny owl selection against asymmetric woodmice. **Evolutionary Ecology 19**: 405-418. **I.F. 1.776**

GALEOTTI P., SACCHI R., FASOLA M., PELLITTERI ROSA D., MARCHESI M., BALLASINA D. 2005. Courtship displays and mounting calls are honest, condition-dependent signals influencing mating success in Hermann's tortoises. **Canadian Journal of Zoology 83**: 1306-1313. **I.F. 1.175**

2004

FASOLA M., **GALEOTTI P.**, NIANHUA DAI, YUANHUA DONG, YINGMEI ZHANG 2004. Large numbers of breeding egrets and herons in China. **Waterbirds 27**: 126-128. **I.F. 0.381**

GALEOTTI P., RUBOLINI D. 2004. The niche variation hypothesis and the evolution of colour polymorphism in birds: a comparative study of owls, nightjars and raptors. **Biological Journal of Linnean Society** **82**: 237-248. **I.F. 1.935**

SACCHI R., **GALEOTTI P.**, FASOLA M., GERZELI G. 2004. Larinx morphology and its relationship with sound production in three species of Testudinidae. **Journal of Morphology** **261**: 175-183. **I.F. 1.528**

2003

SACCHI R., **GALEOTTI P.**, FASOLA M., BALLASINA D. 2003 Vocalizations and courtship intensity correlate with mounting success in marginated tortoises *Testudo marginata*. **Behavioral Ecology Sociobiology** **55**: 95-102. **2.649**

GALEOTTI P., SACCHI R. 2003. Differential parasitemia in the tawny owl (*Strix aluco*): effects of colour morph and habitat. **Journal of Zoology** **261**: 91-99. **I.F. 1.175**

GALEOTTI P., RUBOLINI D., DUNN P. O., FASOLA M. 2003. Colour polymorphism in birds: causes and functions. **Journal of Evolutionary Biology**. **16**: 635-646. **I.F. 3.010**

SAINO N., **GALEOTTI P.**, SACCHI R., BONCORAGLIO G., MARTINELLI R., MOLLER A. P. 2003. Sex differences in begging vocalisations of nestling barn swallows (*Hirundo rustica*). **Animal Behaviour** **66**: 1003-1010. **I.F. 2.557**

SAINO N., ROMANO M., SACCHI R., NINNI P., **GALEOTTI P.**, MOLLER A. P. 2003. Do male barn swallows (*Hirundo rustica*) experience a trade-off between the expression of multiple sexual signals? **Behavioral Ecology and Sociobiology** **54**: 465-471. **2.649**