

**Cristina Giacomà**, born 27 Aprile 1954 in Torino, Italy, Degree in Biology in 1977 with top marks (110/110).

#### **Academic positions:**

1977-1981. Lecture assistant of Comparative Anatomy and Anthropology,  
1981-1983. Lecture of Zoology at the University of Calabria.  
1983-1986. Researcher permanent position at Dipartimento di Biologia Animale University of Torino.  
1987-1999 Associate Professor of Vertebrate Zoology at Dipartimento di Biologia Animale, University of Torino.  
2000-up to date Full Professor of Animal Behaviour at Dipartimento di Biologia Animale e dell'Uomo, University of Torino. She teaches animal behaviour course at psychology and biology students.  
2000 - 2018 member of PhD program on "Evolutionary Biology and conservation of Biodiversity" of Torino University.  
2001- up to date Dean of the master in "Evoluzione del comportamento animale e dell'Uomo" Ethology  
2003- 2006 Dean of Natural History Course  
2015 – 2021 Director of the Department "Life Science and System biology"  
2021 - up to date Coordinator of PhD program in *Sustainable development and cooperation SustNet*

#### **International educational project**

She promoted and coordinated the following cooperation projects:

1. "Promozione di attività formative inerenti la "Conservazione della biodiversità" presso l'Università di Mahajanga (Madagascar)." granted by D.M. 8.05.2001 n. 115 - art. 10 Internazionalizzazione del Sistema Universitario. She formalized a cooperation agreement with the University of Strasbourg (France) and Mahajanga (Madagascar)
2. Ethologie granted by University italo-francese, bando 2004 capitolo 1.
3. "Ethology" granted by D.M. 5.08.2004 n. 262 - art. 23 Internazionalizzazione del Sistema Universitario: she formalised the cooperation agreement with the University of Paris XIII (France) and Lisbon (Portugal).
4. "Sviluppo sostenibile e conservazione della biodiversità in Madagascar e Comore", projet Prot. CII09QVTHP granted by MINISTERO DELL'ISTRUZIONE DELL'UNIVERSITA' E DELLA RICERCA COOPERAZIONE INTERUNIVERSITARIA INTERNAZIONALE - A.F. 2009.
5. 2017-2019 Program ERASMUS + KA1 Erasmus KA107, International Credit Mobility, Madagascar 2017-1-IT02-KA107-036256
6. 2018-2020 Program ERASMUS + KA1 Erasmus KA107, International Credit Mobility, COMOROS 2018-1-IT02-KA107-047844
7. 2022-24 projet DOCET4AFRICA « Doctorat Océan Indien : Coopération, Environnement et Training» Contrat n. 101083139 - Programme ERASMUS+ KA2 CBHE Strand 2 ERASMUS-EDU-2022-CBHE

#### **Activities and societies:**

President of Unione Zoologica Italiana (2022-2023) National coordinator of DAPTF (Declining Amphibian Populations Task Force), President of the Italian Primatological Society API. Council member of the following scientific societies: Società Italiana di Etologia and Associazione Alessandro Ghigi per la biologia e la conservazione dei Vertebrati. Honorary member of the "International Primatological Society", member of the "International Society for Sea Turtle Conservation and biology", Società Italiana di Etologia, Societas Herpetologica Italica, Associazione Alessandro Ghigi per la biologia e la conservazione dei Vertebrati, Società Italiana di Biogeografia, Associazione Italiana Naturalisti, Ordine dei Biologi.

#### **Scientific meetings**

She was the main organizer of 2 international meetings:

- 1 III Triturus Meeting. San Benedetto Ullano (CS), 22-24 settembre 1988.
- 2 XX Congress of the International Primatological Society. Torino, Italy, 22-28 August 2004

and 4 national meetings:

- 1 I Congresso della Societas Herpetologica Italica. 2-6 ottobre 1996 Torino.
- 2 II Convegno Nazionale "Salvaguardia anfibi". Morbegno (Sondrio), 1997.
- 3 XII Convegno Associazione Primatologica Italiana. 16-19 aprile 1997 Torino.
- 4 XX Convegno Società Italiana di Etologia. 17-20 settembre 2002 Torino.

She participated as a member of the scientific committee to the organisation of a number of international and national congresses, and regularly to the API, SHI, SIE meetings. She contributed talks or posters to more than 20 international meetings and more than 100 national meetings. She gave invited lectures to more than 10 meetings.

**Editing activity for scientific journals:**

2003 – 2014 co-editor of the Italian Journal of Zoology (now European Journal of zoology <https://www.tandfonline.com/toc/tizo21/current>) and

2020 up to date Associate editor of Ethology, Ecology & Evolution <https://www.tandfonline.com/loi/tee20>

She referees for many journals of evolutionary biology, behaviour, zoology and herpetology. E.g. "Alytes" (Parigi), "Amphibia-Reptilia" (Leiden), "Journal of Herpetology" (Athens, Ohio), "Bollettino del Museo regionale di Scienze naturali di Torino", "Italian Journal of Zoology", "Copeia" (Lawrence, Kansas), "Ecology, Ethology and Evolution", "The Herpetological Journal" (Londra), "Miscellanea Zoologica" (Barcellona), "Proceedings Biological Sciences of the Royal Society of London" (Londra), ecc.

**Scientific consultancy.**

She participated as expert in ethology and conservation at:

1. Scientific board of Wilderness in Regione Piemonte (1995-1998 e 2006-2009)
2. Scientific board of Fondazione Bioparco di Roma (Roma Zoo) 2004-2007
3. Scientific board of Torino Natural history Museum Regione Piemonte - Torino (2006-up to now)

**Research:** Main scientific interests are the evolution of reproductive behaviour, its biological basis and the communication processes involved. She worked on Amphibians, Reptiles and Primates. She gave relevant contribution at the international level in promoting the study of the evolution of behaviour by phylogenetic analysis (e.g. Giacoma e Balletto, 1988), the study of microevolution mechanisms by studying geographic variability (e.g. Giacoma e Castellano, 2001) and the experimental studies of female choice based on acoustic signals (e.g. Castellano e Giacoma, 1998; Rosso, Castellano, Giacoma 2006).

From 1994 she established a bioacoustic laboratory at Dip. di Biologia equipped with the softwares and equipments necessary for vocalisations analysis and the production of synthetic signals for mate choice experiments. Visiting professors of the lab were the major international experts of sexual selection by acoustic cues as Carl Gerhardt, University of Missouri USA, Mike Ryan and Walt Wilczynski University of Texas at Austin, USA.

She was invited to present the results of the studies on evolution of vocal communication in *Bufo viridis* as a main lecture at the Conference of American Herpetological Societies, Guelph (Giacoma Cristina and Castellano Sergio, Evolutionary aspects of mating call variation in the diploid-tetraploid *Bufo viridis* complex come. Abstract 78° Conference American Society of Ichthyologists and Herpetologists : 236). Further studies on mate choice mechanisms of *Hyla* have been undertaken more recently. She studied also conservation biology of Amphibians, Reptiles and Mammals.

**Publications:** She published more than 100 full papers in scientific journals with peer referees. She presented 22 contributions to international meetings and 153 to national meetings.

**Collaborations:** among others Michael Ryan, University of Texas at Austin, USA; Roger Stephen Thorpe; University Bangor UK; Walter Wilczynski, University of Texas at Austin, USA, Pierre Joly, Université Claude Bernard - Lyon 1, Francia; T.R.Halliday, Open University, UK, Lorenzo Colombo, Università di Padova, Francesco Dessi Fulgheri, Università di Firenze, Concetta Lupo, Università di Siena; Giancarlo Panzica, Università di Torino; Nicola Saino, Università di Milano, Massimo Mazzini, università LaTuscia etc. Tolto dal CV online loginMIUR

**FELLOWSHIPS AND GRANTS.**

COFIN/PRIN She participated to many 40% (the previous PRIN) projects on the biological basis of reproduction in Amphibians coordinated by Valdo Mazzi and on conservation biology coordinated by Emilio Balletto. She was national coordinator of the project "Evolution of female reproductive strategies" granted by COFIN 2001.

International projects. National Oceanic & Atmospheric Administration USA NOAA 2005-06 Partner of the Italia-USA project granted by NOAA "Field Trials to Evaluate Loggerhead Sea Turtle (*Caretta caretta*) By-catches in Longline Fishing Gear: a Test of Circle Hooks in a Mediterranean Swordfish Fishery.

**European projects**

As national coordinator she participated to 2 european projects granted by INTAS (International Association for the promotion of co-operation with scientists from the New Independent States of the former Soviet Union), concerning on conservation of Herpetofauna biodiversity in 2 asiatic areas under a strong human impact:

- 1 The nuclear poligon of Semipalatinsk in Kazakhstan 2-years grant to study "Environmental effects on Amphibians

and Reptiles in severely polluted or destroyed habitats of Kazakhstan” INTAS-KAZAKHSTAN 95-0016 (Coordinator Prof. Cristina Giacoma). Semipalatinsk area in Kazakhstan 1995.

2 Aral lake (Uzbekistan). 3-years grant Europeo INTAS “Aral Sea 2000-1018” “The present state of the Aral Sea Basin herpetofauna and implications for conservation of natural habitats and biodiversity”.

**Partner coordinator of 3 European LIFE project** on Conservation of *Caretta caretta* in the Mediterranean sea,

1 “Azioni urgenti di conservazione di *Caretta caretta* nelle isole Pelagie” (LIFE-NATURA 1999 NAT/IT/006271

2 “Riduzione impatto attività umane su *Caretta* e tursiope e loro conservazione in Sicilia” Del.Ta. (LIFE03 NAT/IT/000163)

3 “TARTANET – Un network per la conservazione delle tartarughe marine in Italia” Tartanet (LIFE04 NAT/IT/000187)

4 CONCEPTU MARIS "CONservation of CETaceans and Pelagic sea TUrTles in Med: Managing Actions for their Recovery In Sustainability” - LIFE20 NAT/IT/001371

and

5 as survey coordinator to the European project LIFE00 NAT/IT/007233 “*Pelobates* project in the Ticino Valley Natural Park of Piedmont”.

Coordinator of the beneficiary (Dept. Biologia animale e dell’Uomo – Università di Torino) of 3 European projects on biodiversity conservation in Madagascar.

Projet SCORE « Supporting Cooperation for Research and Education » (31/12/2008 – 31/12/2011) financed by an ACP-UE cooperation agreement by Contract n. ACP RPR 118 # 36.

Projet B.I.R.D “Biodiversity integration and Rural Development” is financed by an ACP-UE cooperation agreement by contract FED/2009/217077.

Project EGALÉ “Gathering Universities for Quality in Education” Contract n. FED/2013/320-117

Programme de Coopération ACP-EU pour l’enseignement supérieur (EDULINKII)

EuropAid/132023/D/ACT/ACPTPS

Coordinator of MIUR 60% or equivalent grants every year starting from 1993

Coordinator of 2 Regione Piemonte research projects CIPE:

1 2003 “Bioindicators applied to waterbodies in agriculture area”

2 2004 “Evaluation of immunodepressive effects by xenobiotic present in waterbodies”.

Coordinator of many projects of biodiversity conservation in Andasibè-Mantadia (Madagascar), Calabria, Sicilia, province of Torino, la comunità montana “Valli Chisone e Germanasca” prov. TO, Parco Nazionale dei Nebrodi (Sicilia), Parco Nazionale del Pollino (Calabria), Parco Nazionale del Gran paradiso (Piemonte), more in Piemonte: il Parco regionale del Ticino piemontese, il Parco regionale di Avigliana, Parco regionale e riserve naturali del Canavese, il parco di Candia, municipality of Grugliasco TO e la riserva naturale orientata del Moggetto (Genova) etc.

Projects granted by public and private organisations: Museo Regionale di Scienze Naturali di Torino, Museo Civico di Storia Naturale di Verona, Museo Tridentino di scienze Naturali, Museo Civico di Storia Naturale di Trieste, Parco Natura Viva in prov. di Verona, Azienda Acquedotto Municipale di Torino, LAV (Laboratorio Analisi Veterinarie) in TO, ASL 4 di TO etc.