

CURRICULUM VITAE

PAOLO GALLI

PERSONAL INFORMATION

Date of birth: 10 November 1965 (Milan) Italy

Married, 1 daughter 13 years

Nationality: Italian

Languages: Italian (Mother language), English (fluent).



BIOSKETCH

Paolo Galli was born in Senago -Milan (Master degrees in Biology, 1993). PhD in Analysis and Management of Aquatic Ecosystems at University of Milan in 2000. Researcher in 2002 at the University of Milano-Bicocca, Associate Professor in 2014 at the University of Milano-Bicocca and Full Professor in 2018 at University of Milano-Bicocca. Founder of the track in Ecology for the Undergraduate Degree in Biological Science at the University of Milano-Bicocca; founder of the International Master in Marine Sciences for Sustainable Development at the University of Milano-Bicocca; cofounder of the Postgraduate Course in Marine Sciences at the University of Milano-Bicocca together with the Maldives National University. Founder (2009) of the MaRHE Center (Marine Research and High Education Center). From 2014 Director of the Marine Research and High Education Center located in Maldives (Magoodhoo Island Faafu Atoll). From 2016 until 2017 Vice Coordinator of the Postgraduate Degree in Marine Sciences. From 2016 until 2019 International Delegate for the Rector for Saudi Arabia, Bahrain, Oman, Yemen, Qatar, United Arab Emirates, Sri-Lanka, The Pacific Islands and the Maldives. From 2016 until 2019 Member of Sustainability Office at University of Milano-Bicocca. Delegate for the Rector in 2018 for EXPO2020 Dubai. From 2012 leader of Local Unit for the European Infrastructure Consortium "LIFE WATCH" providing e-Science research facilities to scientists seeking to increase our knowledge and deepen our understanding of Biodiversity organisation and Ecosystem functions and services in order to support civil society in addressing key planetary challenges

MAIN ACHIEVEMENTS, EDUCATIONAL STEPS

Education

2001-2002 Post Doc, Department of Biology, University of Insubria

2000 PhD in Analysis and Management of Aquatic Ecosystems at the Department of Environmental Sciences, University of Milan

1993 Master Degree in Biology, Institute of Ecology, University of Milan

Position

2018-Present: Full Professor, Ecology, Department of Environmental Sciences, University of Milano-Bicocca

2014-2017: Associate professor, Department of Biotechnology and Biosciences, University of Milano-Bicocca

2002-2013: Researcher, Department of Biotechnology and Biosciences, University of Milano-Bicocca

List of the research Project from 2004 till present:

- 2017 Installation of a water desalination plant on the island of Magoodhoo - Faafu Atoll – Maldives An integrated approach. Ministry for Environment, Land and Sea Protection of Italy. (Leader).
- 2016 Sea soundscape in Fiji waters as tool for the local management of the marine and coastal zones - SySTeMiC (Sea Soundscape Tool Management Coastal). **The University of the South Pacific (USP)**. Fiji. (Participant).
- 2015: Reconstruction of Maldivian marine ecosystems through high-resolution 3D seismic surveys and environmental acoustics studies. **Il Consiglio Nazionale delle Ricerche – Istituto Per l'Ambiente Marino Costiero (IAMC)** (Leader).
- 2014: Development of an ICT platform on tropical species of the Maldivian archipelago. **Il Consiglio Nazionale delle Ricerche – Dipartimento di Scienze del Sistema Terra e Tecnologie per l'Ambiente**. (Leader).
- 2013: The key role of ecological approach in the development of inclusive travel. A case study on the Maldivian archipelago, **Unione Italiana Ciechi** (Leader);
- 2013: Estimating illicit drug use in Maldives by wastewater analysis, a novel approach to measure drug consumption in a whole community, **President's Office of Republic of Maldives** (Leader);
- 2012: Benefits of using renewable energy for Maldivian communities and marine ecosystems, **Caritas International Asia Area** (Leader);
- 2011: Marine Sciences for Sustainable Development, **Italian Ministry of Education, University and Research** (Leader);
- 2010: Biological adhesives: from biology to biomimetics, **Europe EU Contract: TD0906** (Local Unit Leader);
- 2010: Eco-compatible models for managing fish stocks in the Maldivian archipelago destined for the Lombard market, Regione Lombardia (Leader);
- 2010: Support promotion and extension of cooperation in scientific research and education in the field of the conservation of the Egyptian Red Sea marine environment, biodiversity and natural resources and restoration, **The Red Sea Conservation Society (HEPCA)** (Leader);
- 2008: Biodiversity of Maldivian Coral Reef" **AG7 Contract: GA110363** (Leader);
- 2008: BioInspired Adhesives for Surgery, **Cariplo Foundation Contract: N. 2008-2366** (Coordinator).
- 2008: Biodiversity and Biodiversity patterns of Scleractinia (Cnidaria) in the Gulf of Aden, Yemen, **Creocean Contract**; (Leader)
- 2008: Training nature guides for the Maldives (university course) and environmental education in secondary school, **Comune di Milano - Gabinetto del Sindaco** (Leader);
- 2007: Strategies to be adopted to improve and protect the ecological status of wild fish. **Arpa Lombardia (U.O. Risorse naturali e paesaggistiche) Contract** (Leader);
- 2006: Modeling of primary phytoplankton production in the Mediterranean in relation to the distribution of cetaceans. **Accobams Project** (Local Unit Leader).

2004: Development of methodologies for the evaluation of the ecological status of semi-natural water parks subjected to high anthropic pressure, **Provincia di Milano** (Leader);

Teaching Activities

2002-Present: Ecology for Undergraduate Students in Biological Sciences

2017- Present: marine Ecology for Postgraduate Students in marine Sciences

2017 – Present: applied ecology for Undergraduate Students in Biological Sciences

2015- Present: Analysis and Management of Aquatic Biocoenoses for Undergraduate Students in Biological Sciences

Educational and Formative Responsibility

2014 – Present: Director of the Marine Research and High Education Center located in Maldives (Magoodhoo Island Faafu Atoll).

2016 – 2017: Vice Coordinator of the Postgraduate Degree in Marine Sciences.

2011-2014: Director of the Internazional Master in Marine Sciences for Sustainable Development

SCIENTOMETRIC DATA

Here below a list of the main scientometric indicators update April 2020

- H (Hirsch) Index of 25
- More then 110 articles on ISI Journal (WoS)
- Ca 2800 citations (GS)
- i-10 Index: 72

RESEARCH INTERESTS

Paolo Galli is an Ecologist. The background in Ecology has implications in the approach to problem solving, based on inter- and multidisciplinary, data analysis, experimental work, interactions with different research teams, valuation ad exploitation of abiotic and biotic variables.

Multidisciplinary studies linking different disciplines, such as Biology, Ecology, Environmental Sciences, Socio-Economy, Medicine, Technology.

Impact of global change on life on Earth and on marine ecosystems, functioning and health of Oceans, multidisciplinary studies on sea ecosystems.

The principal topics he dealt are: study of the tropical marine ecosystems; study of biogeographic pollution; study of the conservation of organisms in danger of extinction; study of climate change using proteomics techniques.

Research collaborations

Ongoing long-term research collaborations with: Maldivian National University (Maldives); Universidade Federal do Parana (Brazil); Autonomous University of Campeche, Mexico; University of Dubai (UAE), KAUST University (South Arabia).

Within the frame of past and present researches additional direct collaborations include continuous links with: France, Belgium, The Netherlands, Germany, Greece, USA, Japan, Russia, UK, Scotland, Egypt.

TOP JOURNALS

List of Journals on which the research of Paolo Galli has been published

Biological conservation
Biological Invasion
Cell Stress and Chaperones
Chemosphere
Comparative Parasitology
Contributions to Zoology
Contributions to Zoology
Coral Reefs
Ecological Indicators
Ecology
Ecology of Freshwater Fish
Food Research International
Helminthologia
Hydrobiologia
International Journal for Parasitology
Journal Natural History
Journal of Applied Ichthyology
Journal of Fish Biology
Journal of Helminthology
Journal of Mammalogy
Journal of Parasitology
Journal of proteomics
Journal of Statistical Software
Journal of Zoological Systematics and Evolutionary Research
Marine Biodiversity
Marine Ecology Progress Series
Marine Environmental Research
Molecular Phylogenetics and Evolution
Nature communications
Organisms Diversity & Evolution
Parasitology Research
Plos One
Population Ecology
Proceeding Royal Society. B
Science of The Total Environment
Sustainability.
Symbiosis
Systematic Parasitology
Water research
Zoologica Scripta
Zoological Journal of the Linnean Society

BOOKS

P. Galli, O.N. Pugachev, D. Kritsky (2010) Guide To Monogenoidea Of Freshwater Fish Of Palaearctic And Amur Regions. LEDIpublishing. 464pp.

Scientific Editor

Sharks of the Maldives. Alessandro de Maddalena. Scientific Editor: P. Galli. Magenes Edition. Pp. 110

EXPERIENCES OF INCENTIVATION OF TRANSFER OF KNOWLEDGE OF RESEARCH RESULTS

Inventor of International Patent: new methods to reduce impact of the predator Crown-of-Thorns Starfish (*Acanthaster planci*) on the reefs.

LIST OF 10 SELECTED PUBLICATION

- 01) Strona G., Palomares L. D. M., Bailly N., **Galli P.** And Lafferty K. D. 2013 Host range, host ecology, and distribution of more than 11 800 fish parasite species. *Ecology*, 94: 544 [I.F. 4.849]
- 02) Strona G., **Galli P.** and Fattorini S. 2013 Fish parasites resolve the paradox of missing coextinctions *Nature communications* 4, 1718. [I.F. 7.396]
- 03) Strona G., Fattorini S., Montano S., Seveso D., **Galli P.**, San-Miguel-Ayanz J. 2015 .ECo: A new measure evaluating the degree of consistency between environmental factors and spatial arrangement of species assemblages. *Ecological Indicators*. 52: 66-74
- 04) Montano S., Maggioni D., Arrigoni R., Seveso D., Puce S., **Galli P.** 2015 The Hidden Diversity of Zanclea Associated with Scleractinians Revealed by Molecular Data. *PLoS one*,10,7,e0133084.
- 05) Strona G., Fattorini S., Montano S., Seveso D., Galli P., San-Miguel-Ayanz J. 2015 ECo: A new measure evaluating the degree of consistency between environmental factors and spatial arrangement of species assemblages. *Ecological Indicators* 52, 66-74
- 06) Contestabile P., Di Lauro E., Galli P., Corselli C., Vicinanza D. 2017 Offshore Wind and Wave Energy assessment around Malè and Magoodhoo Island (Maldives). *Sustainability*.
- 07) Montano S., Fattorini S., Parravicini V., Berumen M. L, Galli P., Maggioni D., Arrigoni R., Seveso D., Strona G. 2017 Corals hosting symbiotic hydrozoans are less susceptible to predation and disease. *Proceeding Royal Society. B*,284 1869,20172405.
- 08) Seveso D., Montano S., Maggioni D., Pedretti D., Orlandi I., **Galli P.**, Vai M. 2018 Diel modulation of Hsp70 and Hsp60 in corals living in a shallow reef. *Coral Reefs* 37: 801-806
- 09) Saliu F., Montano S., Leoni B., Lasagni M., Galli P. 2019 Microplastics as a threat to coral reef environments: Detection of phthalate esters in neuston and scleractinian corals from the Faafu Atoll, Maldives. *Marine pollution bulletin* 142: 234-241
- 10) Fallati L., Polidori A., Salvatore C., Saponari L., Savini A., Galli P. 2019. Anthropogenic Marine Debris assessment with Unmanned Aerial Vehicle imagery and deep learning: A case study along the beaches of the Republic of Maldives. *Science of The Total Environment*. 133581