



Europass

Curriculum Vitae

Personal information

First name/Surname: **Paolo Guidetti**

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Nationality: Italy

Date of birth: May, 31st, 1969 (Genoa, Italy)

Gender: male (unmarried)

Military service: accomplished

Fields of scientific competence, education and career

Main fields of interest and competence

- 1) fundamental and theoretical ecology, natural history;
- 2) marine biodiversity and ecosystem functioning;
- 3) marine community and conservation ecology;
- 4) fish ecology, reproductive biology and demography;
- 5) marine protected areas (MPAs) and artisanal fisheries;
- 6) experimental protocols, sampling designs, statistics.

More specific fields of interest and competence

- 1) trophic interactions in Mediterranean ecosystems;
- 2) rocky reefs, macroalgal beds and *Posidonia oceanica* meadows in the Mediterranean Sea;
- 3) life histories (from eggs to adults) and early traits (e.g. pelagic larval duration) of Mediterranean fishes;
- 4) fish nursery and spawning areas, ontogenetic habitat shifts, macroalgae-fish relationships;
- 5) fish population connectivity (dispersal and movement patterns from eggs and larvae to adults);
- 6) assessing effective networks of MPAs in the Mediterranean Sea;
- 7) management of artisanal fisheries and sustainability;
- 8) environmental impact assessment;
- 9) climate change (water warming, climatic alterations) and marine species.

Education and career

2014-présent : Member of the Permanent Committee of Human Resources - Section 67 (CPRH 67) - at the University of Nice Sophia-Antipolis.

2012-present: Full Professor of Ecology at ECOMERS, University of Nice - Sophia Antipolis (Nice), France.

2007-2012: Researcher in Zoology (research and teaching) at the Department of Biological and Environmental Sciences and Technologies (DiSTeBA), University of Salento (Lecce), Italy.

2011: 'classé' in CNRS competition ('*concours* 2011') for DR2 positions, section 45.

2011: 'qualified' (sections 67 and 68) for applying to positions as MCF and PR at French Universities and Museums.

2004-2007: Post-doc position at the Laboratory of Marine Biology and Zoology, University of Lecce for research on trophic cascades in Mediterranean rocky reef communities and marine reserves.

2004: CNR-NATO senior fellowship at the Institute of Oceanography and Fisheries, Split (Croatia), for research about "Fish predation on sea urchins, *Paracentrotus lividus* e *Arbacia lixula*, in littoral rocky habitats" in collaboration with Dr. J. Dulcic (Lab. Ichthyology and Coastal Fishery).

2004: PhD in 'Fundamental Ecology' at the University of Lecce (tutor: Prof. F. Boero) with a Thesis entitled: 'Top-down control in shallow rocky-reef communities in the Mediterranean Sea'.

1996-1998: CNR (National Research Council) fellowship at the Laboratory of Benthic Ecology (Stazione Zoologica 'A. Dohrn', Naples, Italy) in the frame of the national program PRISMA II (Research Program on Protection of the Adriatic Sea), for research on Adriatic seagrass systems.

1994: University degree (*Laurea*) 110/110 in Biological Sciences at the University of Genoa (Laboratory of Marine Biology and Animal Ecology). Thesis: *Ecological observations on mollusks of the artificial reef of Loano (Italy)*.

1988: High school Diploma (Liceo Classico).

Professional experiences

- 2011:** participation to the XXVII Antarctic Italian Expedition at Mario Zucchelli Station, Antarctica (November 4th - December 8th).
- 2005:** Research contract at Dip.Te.Ris. (University of Genoa) for research on reserve effect at the Marine Protected Area of Tavolara-Punta Coda Cavallo (Italy) using visual census on fish.
- 2004:** Research contract at Laboratory of Zoology and Marine Biology (University of Lecce, CoNISMa), project "MIPAF-Spillover", for research on spillover of fish from marine reserves in northern and southern Adriatic Seas.
- 2003 and 2004:** Visiting scientist at Scripps Institution of Oceanography (Center for Marine Biodiversity and Conservation, University of California, San Diego, USA) for collaboration with Prof. E. Sala in the framework of research on the effects of marine reserves on coastal ecosystems.
- 2001:** Collaboration with Prof. G. Bernardi (University of California Santa Cruz, USA) for research on ecology of the thermophilous fish *Thalassoma pavo* in the Mediterranean Sea.
- 2000:** Research contract at Laboratory of Zoology and Marine Biology, University of Lecce, in the frame of the project "Interreg Italy-Albania", for research on biodiversity of rocky-reef fish assemblages in the southern Adriatic and Ionian Seas.
- 2000:** Collaboration at University of Lecce within the project "Interreg Italy-Greece", for research on rocky-reef fish assemblages and the environmental quality in the Ionian and Adriatic Seas.
- 1999-2000:** Research contract with Dr. M. Vacchi (ICRAM, Rome) for sampling design and assessment of the effects of the Haven oil spill on sediments and macrobenthos in the Ligurian Sea (Italy).
- 1999:** Research contract with Prof. M. Fabiano (DIP.TE.RIS., University of Genoa): project MAT (Formation processes of mucilages in the Adriatic and Tyrrhenian Seas).
- 1999:** Research contract with Prof. G. Albertelli (DIP.TE.RIS., University of Genoa): regulatory plan project of the Port of Genoa (Italy).
- 1998:** Research contract at the Laboratory of Benthic Ecology (Stazione Zoologica 'A. Dohrn') in the frame of the project PRISMA II, for research on Adriatic seagrass systems.
- 1997-1998:** Collaboration with Dr. C.N. Bianchi (ENEA, CRAM, La Spezia, Italy) in the frame of the project SINAPSI, for research on climatic changes and thermophilic fishes.
- 1996:** Research contract with ICRAM (Central Institute for the Scientific and Technological Research Applied to the Sea, Rome; Dr. M. Vacchi) in the frame of the EUCUMM Project, for research on the fish fauna of the marine reserve of Ustica Island (Italy).
- 1995:** Oceanographic campaigns for research on pelagic environments in the NW Mediterranean (project RIMMO), CERBOM Institute (University of Nice, France).
- 1994-1996:** Research contracts (at Ligurian Centre of Fishery and Environment, Genoa) for research on: 1) trawl surveys in the Western Mediterranean Sea; 2) assessment of local fishery of the teleost *Gymnamodytes cicerellus* in the eastern Ligurian Riviera; 3) assessment of the status of the *Posidonia oceanica* bed at Moneglia (Ligurian Sea, NW Mediterranean).
- 1994-1995:** Post-graduate training at University of Genoa for research on Mediterranean seagrasses and associated animal communities.
- 1992-1994:** Trawl-survey campaigns in the Ligurian Sea (University of Genoa, Italy).
- 1992-1994:** Oceanographic campaigns (NW Mediterranean) for research on pelagic environments and Cetaceans (University of Genoa).
- 1993:** contract (2 months) at the Genoa Aquarium.

Participation to international courses

- 2006:** Participation to the course "Detecting changes in biodiversity: experimental design and data analysis", Prof. M.J. Anderson (University of Auckland, New Zealand), Prof. L. Benedetti-Cecchi (University of Pisa, Italy), Prof. K.R. Clarke and Dr. R.N. Gorley (Primer-e, UK), 4-15 September at the University of Pisa.
- 2003:** Participation to the course "Detecting multivariate changes in biological assemblages: experimental design and data analysis", Prof. M.J. Anderson (University of Auckland, New Zealand), Prof. L. Benedetti-Cecchi (University of Pisa, Italy), Prof. K.R. Clarke and P. Somerfield (Plymouth Marine Laboratory, UK), from 26 May to 6 June, University of Lecce (Italy).
- 2000:** Participation to the course "Design and analysis of Biological Experiments: An Advanced Course", Prof. A.J. Underwood and Dr. M.G. Chapman (University of Sidney, Australia), 11-15 September, University of Lecce.
- 1999:** Participation to the course "Design and analysis of Biological Experiments", Prof. A.J. Underwood and Dr. M.G. Chapman (University of Sidney, Australia), from 24 May-4 June, University of Lecce (Italy).
- 1998:** Participation to the intensive summer course (3-26 August) "Marine Zoology and Ecology" at the Biological Station of Roscoff (France).

Teaching, academic titles and seminars

AA 2014-2015 – University of Nice-Sophia Antipolis (UNS) – France (total 218.15 h, etd)

Academic courses

Introduction to ecology (40h; responsible).

Origin of life (28h; responsible).

Coastal Marine Ecosystem (45h; responsible)

Marine Ecology and Biology (35h; responsible)

Communication in Environment (20h).

Environmental risk (4.25h)

Practicals

Animal diversity (12h)

AA 2013-2014 – University of Nice-Sophia Antipolis (UNS) – France (total 225 h, etd)

Academic courses

Introduction to ecology (40h; responsible of the teaching unit).

Origin of life (28h; responsible of the teaching unit).

Coastal Marine Ecosystem (20h; responsible of the teaching unit)

Marine Ecology and Biology (30h; responsible of the teaching unit)

Communication in Environment (20h).

Statistics (8h).

Bibliographic stage (2h)

Practicals

Algal diversity (15h)

Animal diversity (12h)

AA 2012-2013 – University of Nice-Sophia Antipolis (UNS) – France (total 138 h, etd)

Academic courses

Introduction to ecology (40h; responsible of the teaching unit).

Origin of life (28h; responsible of the teaching unit).

Communication in Environment (18h).

Practicals

Animal diversity (15h)

University of Salento - Italy

2012: lecturer for teaching the module on 'Ichthyology' and 'Fishery biology' within the course (in English) 'Pelagos Biology', and practicals. Degree in Coastal and Marine Biology and Ecology, University of Salento.

- 2011: lecturer for teaching the module on '**Ichthyology**' and '**Fishery biology**' within the course (in English) 'Pelagos Biology', and practicals. Degree in Coastal and Marine Biology and Ecology, University of Salento.
- 2010: lecturer for teaching the course "**Non-destructive methods for fish assessment**", Degree in Sciences and Technologies for the Environment, University of Salento.
- 2009: lecturer for teaching the course "**Non-destructive methods for fish assessment**", Degree in Sciences and Technologies for the Environment, University of Salento.
- 2009: lecturer for teaching the course "**Traditional cultures, environment and sustainable tourism**" (*learning unit* for graduate students of I level-II° year) at the 'Scuola Superiore ISUFI', University of Salento.
- 2009: lecturer for teaching the course "**Environment, living resources, landscape and culture**" (*learning unit* for graduate students of II level-I° year) at the 'Scuola Superiore ISUFI', University of Salento.
- 2008: lecturer for teaching the course "**Principles of ecology and conservation**" (*learning unit* for graduate students of I level, I° year) at the 'Scuola Superiore ISUFI', University of Salento.
- 2008: lecturer for teaching the course "**Humans and the environment: history, traditions and the sustainable use of natural resources**" (*learning unit* for graduate students of I level, II° year) at the 'Scuola Superiore ISUFI', University of Salento.
- 2007: contract professor during the Academic year 2006-2007 at the University of Genoa for teaching the course of "**Visual census methods of the fish fauna**", Degree in Environmental Sciences (Management and Conservation of the Marine Environment).
- 2006: contract professor during the Academic year 2005-2006 at the University of Genoa for teaching the course of "**Visual census methods of the fish fauna**", Degree in Environmental Sciences (Management and Conservation of the Marine Environment).
- 2006: contract professor during 2005-2006 at the University of Lecce for teaching the course of "**Management and conservation of the marine environment**", Degree in Environmental Sciences.

Academic title

- 1999: Academic title of "Cultore della Materia" in 'Ecology' and 'Applied Ecology' at the University of Genoa (Italy).

Official PhD courses and commitments

- 2009-2012: Member of the Committee of the PhD program in "**Fundamental Ecology**", University of Salento (Director of the PhD: Prof. A. Basset).
- 2010-2011: Member of the restricted committee of the PhD "**Ecology and Climate Change**" supporting the Director and the Teaching Committee.
- 2007-present: lecturer of the course of "**Methods in Ecology**" (field of Marine Biology and Ecology) within the post-graduate program "Applied Marine Sciences" (University of Split, University of Dubrovnik, Institute of Oceanography and Fisheries - Croatia).

Lectures within master (post-lauream, Italy)

- 2011: lecturer (6 h) on "Traditional fisheries: ecological, socio-cultural and management implications" within the Master I level "Coastal Management and Aquatic Resources" (University of Camerino, section at San Benedetto del Tronto, AP - Master Director: Prof. A. Felici).
- 2010: lecturer (6 h) on "Practical experiences of fishing management in Marine Protected Areas" within the Master I level "Management of rural sustainable development" (University of Bari – Master Director: F. Uricchio).
- 2010: lecturer (6 h) on "Biodiversity and marine coastal ecosystem functioning: the role of predators from a conservation perspective" within the Master I level "Marine environmental excellences: management, conservation and sustainable fruition" (University of Genoa – Master Director: M. Palumbo).

- 2010:** lecturer (12 h) on "Small-scale coastal fisheries: ecological, cultural and management implications" within the Master I level "Coastal Management and Aquatic Resources" (University of Camerino, section at San Benedetto del Tronto, AP - Master Director: Prof. A. Felici).
- 2008:** lecturer (10 hours) on "Traditional cultures, environment and sustainable tourism" within the international Master II level "Valorization of Cultural Heritage-Cultural manager for management of sustainable tourism" (University of Salento, Scuola Superiore ISUFI – Master Director: Prof. A. Fino).
- 2007:** lecturer (4 hours) on "Conservation, fisheries, natural heritage and traditional knowledge" within the Master "Valorization of Cultural Heritage" (University of Salento, Scuola Superiore ISUFI – Master director: Prof. S. Adamo).

Lectures in summer school and courses

- 2007:** lecturer within the summer school of "Visual Census of the Fish Fauna (Porto Venere, 9-17 July, 2007; University of Genoa).
- 2001:** Speaker during the course "Marine Protected Areas: Experimental design and sampling of the fish fauna by visual methods", project "Afrodite" (Lecce, 3-7 December 2001).

Lectures and seminars abroad

- 2011:** Seminar entitled "Fish, ice and investigation tools", 'Mario Zucchelli' Antarctic Station, Antarctica.
- 2004:** Seminar entitled "Ecosystem effects of overfishing and date-mussel fishery impact in shallow Mediterranean rocky reefs" held on February 19, at Scripps Institution of Oceanography (University of California, San Diego, USA).
- 2003:** Seminar entitled "Date-mussel fishery impact in shallow Mediterranean rocky reefs and its ecological implications" held on March 10, at Scripps Institution of Oceanography (University of California, San Diego, USA).

Seminars at Universities and Research Centers

- 2012:** no. 2 seminars entitled "Marine Protected Areas: ecological and management implications" and "The Torre Guaceto MPA: from theory to practice", University of Padua.
- 2012:** no. 1 seminar entitled "Marine Protected Areas: ecological and management implications", Polytechnic University of Marche (Ancona).
- 2012:** Seminar entitled "Fisheries and sustainability", University of Gastronomic Sciences, Pollenzo (Cuneo).
- 2011:** Seminar entitled "Sustainable fisheries", University of Gastronomic Sciences, Pollenzo (Cuneo).
- 2010:** Seminar entitled "Small-scale fisheries: ecological and management implications", University of Parma.
- 2010:** Seminar entitled "The small-scale traditional fisheries and the marine protected areas in the Italian context", University of Gastronomic Sciences, Pollenzo (Cuneo).
- 2009:** Seminar entitled "Marine Protected Areas: ecological and management implications", University of Padua.
- 2008:** Seminar entitled "Marine mollusks: implications for scientific museology and natural conservation" within the seminars of Archaeomalacology, Department of Cultural Heritage, University of Salento.
- 2006:** no. 2 seminars entitled "Fishing and the impacts in marine systems" and "Marine reserves, fishing and the ecology of the rocky Mediterranean sublittoral", University of Pisa.
- 2006:** no. 2 seminars entitled "Trophic cascades in the marine environment" and "Spatial distribution of marine communities", for PhD students in "Animal Biology", Dept. of Animal Biology, University of Palermo.
- 2005:** Seminar entitled "Marine fish fauna and anthropogenic impacts" during the course of "Applied Zoology" 2004-2005 (Environmental Sciences) at the University of Lecce.
- 2005:** Seminar entitled "Trophic cascades in coastal marine environments" at the Dip.Te.Ris. (Department for the Study of the Territory and its Resources) during the course of "Analytical bases of ecological systems" 2004-2005 at the University of Genoa.

- 2005: Seminar entitled "The fish fauna as an indicator of human impact: the important of experimental design and natural history" during the course of "Applied Zoology" 2005-2006 (Environmental Sciences) at the University of Lecce.
- 2004: Seminar entitled "Systematics of the Mediterranean marine fish fauna" and Practicals during the course of "Marine Taxonomy" 2004-2005 (Course in Environmental Sciences) at the University of Lecce.
- 2003: Seminars entitled "Nekton" and "Ecosystem effects of fisheries" in the frame of the course in "Marine Biology" (Course in Environmental Sciences) at the University of Lecce.
- 2003: Seminar entitled "Visual methods for assessing fish assemblages and comparison with other methods: applications in impact studies" during the course of "Laboratory of Integration" (Course in Environmental Sciences) at the University of Lecce.
- 2003: Seminar entitled "Visual methods for assessing fish assemblages in Marine Protected Areas" and Practicals during the course of "Marine Biology" (Course in Environmental Sciences) at the University of Lecce.
- 2003: Seminar entitled "Fishing effects on marine ecosystems" during the course of "Marine Biology" (Course in Biological Sciences) at the University of Lecce.
- 2003: Seminar entitled "Human impacts and trophic cascades in marine coastal habitats" during the course of "Animal Ecology" (Course in Environmental Sciences) at the University of Lecce.
- 2003: Seminar entitled "Systematics of the Mediterranean marine fish fauna" and Practicals during the course of "Marine Taxonomy" 2003-2004 (Environmental Sciences) at the University of Lecce.
- 2002-2003: three lectures (6 hours) during the course of "Marine Biology" (Course in Biological Sciences) at the University of Lecce.
- 2002: Seminar entitled "Resources exploitation, keystone species and trophic cascades" during the course of "Marine Biology" (Course in Environmental Sciences) at the University of Lecce.
- 2002: Seminar entitled "Visual methods for assessing fish assemblages: comparison with other methods and practical applications" during the course of "Laboratory of Integration" (Course in Environmental Sciences) at the University of Lecce.
- 2001-2002: three lectures (6 hours) during the course of "Marine Biology" (Course in Biological Sciences) at the University of Lecce.
- 2000-2001: three lectures (6 hours) during the course of "Marine Biology" (Course in Biological Sciences) at the University of Lecce.

Tutorships (students, PhDs and Post-docs)

Advisor of the following master theses at University Nice-Sophia Antipolis

2014

- Flavio Picone, report entitled "Reserve effect on the dusky grouper *Epinephelus marginatus* at Tavolara-Punta Coda Cavallo MPA (Sardinia, Italy) and the Mediterranean scale" (Sciences de la Vie et de la Santé). Master 1.
- Jerome Bucci, report entitled "Effet réserve: l'évaluation des réponses des communautés de poissons marins à la protection" (Sciences de la Vie et de la Santé). Master 2.

Advisor of the following master theses (equiv. master 1 and 2) at Universities of Salento, Padua, Genoa and Bologna

2015

- Undergraduate student Flavio Picone (Science and Management of Nature, University 'Alma Mater' of Bologna). thesis (MII) entitled "Reserve effect on the dusky grouper *Epinephelus marginatus* at Tavolara-Punta Coda Cavallo MPA (Sardinia, Italy) and the Mediterranean scale".

2012

- Undergraduate student Valentina Argese (Coastal and Marine Biology and Ecology, University of Salento), thesis (M. II- Marine Biology and Zoology) entitled "Growth patterns of white seabream (*Diplodus sargus sargus*, Linnaeus, 1758) in protected and fished conditions".
- Undergraduate student Federica Lefons (Coastal and Marine Biology and Ecology, University of Salento), thesis (M. II- Marine Biology and Zoology) entitled "Growth patterns of white two-banded seabream (*Diplodus vulgaris*, E. Geoffroy St Hilaire 1817) in protected and fished conditions".
- Undergraduate student Antonio Calò (Environmental Sciences, University of Salento), thesis (M. II- Environmental Impact Assessment) entitled "Dispersal patterns and connectivity of coastal fish: implications for planning effective networks of Marine Protected Areas".

2011

- Undergraduate student Luana Dimida (Biological Sciences, University of Salento), thesis (M. II-Ecology) entitled "Spatial scale of dispersal and connectivity in early stages of white sea bream (*Diplodus sargus sargus*, Linnaeus 1758)".
- Undergraduate student Giacomo Turnone (Biological Sciences, University of Salento), thesis (M. II-Ecology) entitled "Reproductive biology of white sea bream (*Diplodus vulgaris*, Geoffroy Saint-Hilaire, 1817) in the south-western Adriatic and management implications".
- Undergraduate student Qian Kaicheng (University of Ghent, Belgium), thesis (M. I) entitled "Spatial variability in early life traits: the case study of *Diplodus vulgaris* (Sparidae) in the Mediterranean Sea".
- Undergraduate student Valeria De Simone (Biological Sciences, University of Salento), thesis (M. II-Ecology) entitled "Assessing natal origin of makerel (*Scomber scombrus*, Linnaeus 1758) in the Adriatic Sea using otolith microchemistry".
- Undergraduate student Valentina Argese (Environmental Sciences, University of Salento), thesis (M. I) entitled "Growth rates of the white seabream *Diplodus sargus sargus* (Linnaeus, 1758) at the Torre Guaceto marine reserve (Southern Adriatic Sea)".

2010

- Undergraduate student Maria Elena D'Ambrosio (Biological Sciences, University of Salento), thesis (M. II) entitled "Small scale coastal fishery at Porto Cesareo: assessing yields and socio-cultural aspects".
- Undergraduate student Giulia Montagna (Environmental Sciences, University of Genoa), thesis (M. I) entitled "Juvenile and subadult fishes associated to artificial habitats and natural rocky reefs along the eastern coast of Genoa".
- Undergraduate student Cristina Melissano (Biological Sciences, University of Salento), thesis (M. II-Ecology) entitled "Otoliths microchemistry and microstructure of *Diplodus sargus sargus*, (Linnaeus 1758): applications for assessing population connectivity".

2009

- Undergraduate student Valentina Bernariello (Marine Biology, University of Padua), thesis (M. I) entitled "Comparison between intertidal fish assemblages in two areas characterized by different tidal range".
- Undergraduate student Antonio Calò (Environmental Sciences, University of Salento), thesis (M. I) entitled "Spatial distribution and habitat preference of the white seabream *Diplodus sargus sargus* (Linnaeus, 1758) along the Adriatic Apulian coast".
- Undergraduate student Pierre Thiriet (Université de Montpellier 2, France), thesis (M I) entitled "Ecological effects of Marine Protected Areas: the case study of Torre Guaceto (Southern Adriatic Sea, SE Italy)".

2008

- Undergraduate student Paola Invidia (Biological Sciences, University of Salento), thesis (M. II) entitled "Protection effects on the fish fauna at the Torre Guaceto (Apulia, SE Adriatic Sea) and Tavolara-Punta Coda Cavallo (Sardinia, central Tyrrhenian Sea) Marine Protected Areas".
- Undergraduate student Martina Dal Bello (Environmental Sciences, University of Genoa), thesis (M. I) entitled "Protection effects on fish at the Porto Cesareo marine protected area".
- Undergraduate student Luca Marengo (Environmental Sciences, University of Genoa), thesis (M. I) entitled "Evaluating the reserve effects on fish at the Torre Guaceto marine protected area".
- Undergraduate student Elena Perrone (Biological Sciences, University of Salento), thesis (M. II) entitled "Distribution, morphology and growth of sea urchins (*Paracentrotus lividus*, Lamarck 1816; *Arbacia lixula*, Linnaeus 1758) in infralittoral rocky reefs with and without erect macroalgal cover".
- Undergraduate student Gianluca De Rinaldis (Environmental Sciences, University of Salento), thesis (M. I) entitled "Pelagic larval duration of the white seabream *Diplodus sargus sargus* (Linnaeus, 1758)".

2007

- Undergraduate student Martino Bello (Biological Sciences, University of Salento), thesis (M. II) entitled "Polychaets as a resource for sport fishing: *Diopatra neapolitana*".

2005

- Undergraduate student Elisabetta Vierucci (Biological Sciences, University of Lecce), thesis (M. II) entitled "Marine Protected Areas and benefits for fisheries: assessment of the *spillover* effect at the MPA of Torre Guaceto".

2004

- Undergraduate student Celeste Viva (Biological Sciences, University of Lecce), thesis (M. II) entitled "The fish fauna of the Torre Guaceto marine protected area and relationships with marine habitats".
- Undergraduate student Luisa Marra (Biological Sciences, University of Lecce), thesis (M. II) entitled "Spatial distribution of fish predators, sea urchins and barrens in Apulian sublittoral rocky reefs: effects of protection".

Advisor for the following PhD Theses at University Nice-Sophia Antipolis (France)

2013-2016: tutor of the PhD Thesis in Fundamental and Applied Sciences at UNS (co-tutors: Steve Gaines, University of California Santa Barbara-USA; Federico Niccolini, University of Macerata-Italy), entitled “The effects of spatial design and organizational traits on the ecological effectiveness of Marine Protected Areas”; candidate: Claudia Scianna.

Advisor for the following PhD Theses at University of Salento (Italy)

2009-2012: tutor of the PhD thesis in Fundamental Ecology (University of Salento-Italy, in co-tutorship with Univ. Perpignan-France; co-tutor: Serge Planes), entitled “Scales of connectivity and reproductive biology of the two-banded sea bream *Diplodus vulgaris* (E. Geoffroy St Hilaire 1817): implications for marine protected area networks and fisheries management”; Rita Sahyoun.

2009-2012: tutor of the PhD thesis in Fundamental Ecology (University of Salento-Italy; co-tutors: F. Badalamenti, G. D’Anna, CNR-Italy) entitled “Movement patterns and home range of *Diplodus sargus sargus* (Linnaeus 1758) in a marine protected area of the Southern Adriatic sea: implication for a marine conservation”; Manfredi di Lorenzo.

2008-2011: tutor of the PhD Thesis in Fundamental Ecology (University of Salento-Italy) entitled “Spatial connectivity and dispersal patterns to design networks of marine protected areas: the case of the white sea bream *Diplodus sargus sargus* (Linnaeus 1758)”; Antonio Di Franco.

2006-2009: co-tutor for the PhD Thesis in Fundamental Ecology (University of Salento-Italy) entitled “Socio-economic impact of marine conservation in Italy”; Fausto Pizzolante.

Tutor of the following post-doc

2011-2012: Antonio Di Franco “Local fish population connectivity for planning networks of Marine Protected Areas”, University of Salento (Italy). Project MIUR-COFIN.

2014-2015: Antonio Di Franco “The co-management of small-scale fisheries and the marine protected areas: a model of sustainability”, University Nice Sophia Antipolis (France). Project MED-EU.

2015: Alexis Pey “The ecology of fishes in marine caves”, University Nice Sophia Antipolis (France). Project Total Foundation.

Member of examination committees

Contests for stable positions

2014: member of the evaluation committee for a position of ‘Associate Professor’ in Ecology, University of Genoa, Italy.

HDR (Habilitation à Diriger des Recherches) jury member

2012: Luisa Mangialajo. HDR-*Habilitation à Diriger des Recherches*, Biologie des Populations et Ecologie, Sect. CNU 67, DS5 Biologie, Médecine & Santé. Candidate: University of Nice-Sophia Antipolis, UFR Sciences, Ecole Doctorale SFA, France.

PhD jury member in France

- 2015: Stéphanie D'Agata. PhD dissertation: "Vulnérabilité des communautés de poissons corallines aux pressions humaines et importance des sites références pour l'évaluation des outils de conservation". Université de Montpellier 2, France: 271 pp.
- 2012: Barbara Koeck. PhD dissertation: "Role des récifs artificiels dans l'écologie des poissons". Ecole Pratique des Hautes Etudes, France: 300 pp.
- 2012: Hazel O. Arceo. PhD dissertation: "Assessing the effectiveness of marine protected areas in sustaining small-scale fisheries: ecological and management perspectives from the French Mediterranean". Lab. ECOMERS, University Nice-Sophia Antipolis, France: 196 pp.
- 2012: Adrien Cheminée. PhD dissertation: "Ecological functions, transformations and management of infralittoral rocky habitats from the North-western Mediterranean: the case of fish (Teleostei) nursery habitats". Lab. ECOMERS, University Nice-Sophia Antipolis, France: 225 pp.

PhD jury member in Belgium

- 2012: Nicolas Sturaro. PhD dissertation: "Multiscale variability of amphipod assemblages in *Posidonia oceanica* meadows". Laboratory of Oceanology, University of Liege, Belgium : 298 pp.
- 2005: Brianna Clynick. The ecology of fish associated with artificial structures. Faculty of Science. University of Sydney (Australia): 204 pp.

PhD jury member in Italy

- 2010: President of the jury committee of the PhD in "Environmental Sciences", University of Venice (Italy, March 05th 2010).
- 2015: President of the jury committee of the PhD in "Human and Environmental Biology and Biochemistry", University of Cagliari (Italy; March 17th, 2015).

Research

Organizational skills and competences

Laboratory direction

2010-2012: Director of the '*Laboratory of Conservation and Management of Marine and Coastal Resources*' (at the Department of Biological and Environmental Sciences and Technologies, University of Salento, Italy).

Coordination and participation to international research projects

2014-2015: Co-PI of the research project "Fishery governance within MPAs: potential for blue economy" (FishMPABlue), Priority-Objective 2-2, EU-MED (123,000 €).

2012-2015: "Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential (CoCoNET). EU-FP7.

2012-2015: "Training Network for Monitoring Mediterranean Marine Protected Areas-MMMPA" – People Programme 7th Framework Programme EU with the role as 'external expert'; PI: Carlo Cerrano.

2006-2009: Pew Fellows Program in Marine Conservation Fellowship, Pew Institute For Ocean Science; Project: "Assessing the health of Mediterranean coastal ecosystems", PI: Enric Sala.

2005-2009: Network of Excellence-European Union "Marine Biodiversity and Ecosystem Functioning (MARBEF)"; Project: "Causes and consequences of changing marine biodiversity: a fish and fishery perspective (MARFISH)".

Scientific coordinator of research projects funded by private enterprises and foundations

2015-2017: Principal investigator of the research project "Improving the performance of Mediterranean Marine Protected Areas", funded by Prince Albert II of Monaco Foundation, Monaco (75,000 €).

2014-2016: Principal investigator of the research project "Marine caves along the Mediterranean French coast: insights into connectivity and management implications", funded by Total Foundation, France (150,000 €).

2014: Principal investigator of the research project "The effects of organization and spatial design of Mediterranean Marine Protected Areas on their ecological performance", Rapid Ocean Conservation (ROC) Grants Program, funded by WAITT Foundation, USA (7,500 €).

2010-2012: Principal investigator of the research project "Designing networks of marine protected areas in the Mediterranean context", funded by Total Foundation, France (120,000 €).

2004-2005: Principal investigator of the research project 'Behavioral patterns of fish in Mediterranean marine reserves and adjacent fished areas' funded by PADI-Project AWARE Foundation, USA (5,000 €).

Scientific coordination in national research projects-Italy

2012-2013: Scientific responsible for the 'fish fauna of marine protected areas' within the study aimed at assessing the status of the marine environment in the framework of the Marine Strategy (Directive 2008/56/CE), received by the Italian law D.lgs. 190 (23,200 €)

2011-2013: responsible for the 'operative unit of the CoNISMa (URL Lecce) within the PNRA (National Plan for Antarctic Research) project entitled "Vulnerability of polar fishes to climate change: life cycle, habitats and relationships with marine ice in *Pleuragramma antarcticum*" (23,000 €).

- 2010-2012:** scientific responsible for the Operative Unit of the University of Salento within the PRIN (projects of relevant national interest) project entitled "The role of spatial connectivity and trophic interactions in the sustainable management of small-scale fisheries through the implementation of networks of Marine Protected Areas", funded by MIUR (70,000 €).
- 2008-2010:** Co-responsible for the taxonomy of the fish fauna within the research project "Study of the sea caves (habitat code 8330) at the Pelagie, Plemmirio and Capo Caccia Marine Protected Areas" (5,000 €).
- 2008 and 2009:** Scientific responsible of the research project MURST-ex 60% "Marine Protected Areas and artisanal fishery: the problem of connectivity" (7,800 €).
- 2007-2009:** Co-responsible for the taxonomy of the fish fauna within the research project "Analysis and assessment of marine ecosystems within A and B zones of 4 marine protected areas aimed at evaluating the efficacy of protection measures" funded by the Ministry of the Environment (5,500 €).
- 2007-2008:** Co-responsible of the working group on "Reserve and spillover effects and indices of environmental quality" in the framework of the CoNISMa project entitled "Maintaining and implementing marine protected areas within the SPAMI protocol" (13,500 €).
- 2005:** Executive responsible of the research project "Ecological models for environmental management and enhancement of fishery resources". Apulia Region, Italy (100,000 €).
- 2004-2006:** Executive responsible of the project "Assessment of protection effects of marine protected areas: 'spill-over' and potential benefits for fisheries", UO CoNISMa-Lecce. MIPAF (Italian Ministry for Agricultural Resources; General Fishery and Aquaculture Office) (80,000 €).
- 2001-2003:** National coordinator of research activities on fish assemblages in the Italian marine reserves in the framework of the national projects 'Afrodite' and 'Venere' (CoNISMa-ICRAM-Italian Ministry of the Environment) (10,000 €).

Scientific coordination in national monitoring projects at Italian MPAs (quinquennial)

- 2011-2015:** Scientific responsible of 18 projects dealing with monitoring artisanal fisheries and fish assemblages at 8 MPAs (Torre Guaceto, Tavolara-Punta Coda Cavallo, Penisola del Sinis-Isola Mal di Ventre, Isole Tremiti-Parco del Gargano, Portofino, Bergeggi, Cinque Terre, Secche di Tor Paterno) project 'Guidelines for management of tourist frequentation and small scale fishery' funded by the Torre Guaceto marine reserve and the Ministry of the Environment (total budget: 321,300 €).
- 2006-2010:** Scientific responsible of 10 projects dealing with monitoring artisanal fisheries and fish assemblages at 3 MPAs (Torre Guaceto, Tavolara-Punta Coda Cavallo, Porto Cesareo) project 'Guidelines for management of tourist frequentation and small scale fishery' funded by the Torre Guaceto marine reserve and the Ministry of the Environment (total budget: 148,400 €).

Activities in national and international working groups and commissions

- 2012-present:** member of the GdR MarCo (French Marine Connections), coordinated by CNRS and IFREMER (France).
- 2012:** member of the International Scientific Advisory Committee of the Institute of Oceanography and Fisheries, Split (Croatia).
- 2011-2013:** member of the Scientific Committee of the Network of Managers of Marine Protected Areas in the Mediterranean (MedPAN).
- 2010-present:** member of the French scientific association 'Groupe d'Etude du Mérout' (GEM).
- 2010-present:** member of the research team of the Dolphin Biology & Conservation (DBC) working group.
- 2010-present:** member of the Committee 'Coastal Zone' of the Italian Society of Marine Biology (SIBM).

- 2009-present:** member of the scientific committee Reef Check (Italy), NGO no-profit association founded in 2008 for protection and recovery of Mediterranean reefs and coral reefs across the world.
- 2009-2012:** member of the Euro-Mediterranean Centre for Climate Change (CMCC).
- 2009-2012:** member of the Advisory Board within the project MedPAN South (partnership WWF, RAC-SPA, UNEP).
- 2008:** RAC/SPA (Regional Activity Center for Specially Protected Areas, Tunis) consultant within the project SAP BIO (Strategic Action Plan for the Conservation of Biological Diversity in the Mediterranean Region).
- 2007:** Member of the NGO Fisheries and Food Institute (FIFO), directed by Dr. Alpina Begossi, Sao Paulo, Brazil.
- 2007:** Member of the international working group on Marine Reserves directed by Prof. Jane Lubchenco (Oregon State University, USA) in the framework of the Project 'PISCO: Partnership for Interdisciplinary Studies of Coastal Oceans'.
- 2005-2008:** Member of the IUCN's World Commission on Protected Areas – Marine (WCPA – MMED).

Organization of workshops and congresses

- 2015:** co-organizer of the workshop of the project MED-EU (FishMPABlue), 15-16 January 2015, Nice (France).
- 2008:** co-chair organization of the session 'Climate change effects on Mediterranean coastal ecosystems' ASLO (Advancing the Science of Limnology and Oceanography) Meeting, 25-30 January 2009, Nice (France);
- 2008:** organizer and member of the scientific committee of the national workshop "Fisheries and Management of Marine Protected Areas", Porto Cesareo (Lecce), October 30-31 2008.
- 2001:** Organization of the meeting and course "Marine Protected Areas: Experimental design and sampling of the fish fauna by visual methods" for standardization of methods aimed at assessing fish assemblages in MPAs, project "Afrodite" (Lecce, 3-7 December 2001).

Organisation/coordination of scientific prizes

- 2014:** Scientific coordinator of the International Scientific Prize 'Faranda' at EurOCEAN 2014, Rome (Italy).

Keynote/invited speaker

- 2013:** "Artisanal fishing and marine protected areas: is it a model to conciliate conservation and use of marine resources?". MEDOCEAN: Symposium on Integrating New Advances in Mediterranean Oceanography and Marine Biology, Barcelona (Spain), 26-29 November 2013.
- 2012:** "La cogestion adaptative de la pêche artisanale dans l'AMP de Torre Guaceto en Italie". Atelier scientifique sur «La pêche durable dans les aires marines protégées en méditerranée», Bizerte (Tunisie), 10-11 May 2012.
- 2012:** "Artisanal fishing and Marine Protected Areas: an example of local co-management". Final meeting of the Project "CLODIA: for sustainable development of coastal areas" (Padua, Italy), 30-31 March, 2012.
- 2012:** "The multifaceted artisanal fisheries in the Mediterranean", "The involvement of fishermen in MPA management - Artisanal fisheries near the Torre Guaceto MPA: an example of adaptive co-management

- along the path of sustainability (Italy)". MedPAN North Project Meeting of Mediterranean artisanal fishermen of marine protected areas. Carovigno (Brindisi, Italy), 17-18 March, 2012.
- 2012:** "Artisanal fisheries and Marine Protected Areas in Italy: the case study of Torre Guaceto (SE Apulia) in the Mediterranean context" - Transversal Workshop on Spatial Based Approach to Fishery Management, GFCM-FAO, Rome, 6-8 February 2012.
- 2010:** "Small-scale fishery co-management arrangement in the Mediterranean". Capacity Building Programme of the MedPAN South and MedMPAnet projects - WWF Mediterranean Program and the Regional Activity Centre for Specially Protected Areas (RAC-SPA) of the UNEP/MAP. 2nd Regional Training Workshop on Planning for sustainable fisheries in Marine Protected Areas, Kas, Turkey, October 4-11, 2010.
- 2008:** "Fish diversity components and community-wide changes". MarFISH-workshop on 'Ecosystem functioning relevant to fish biodiversity and fisheries', April 10 (2008), Nantes (France), MARBEF EU Network of Excellence.
- 2008:** "Communities of marine caves in the Salento Peninsula". Final meeting of the project "*Chelon labrosus*", funded by the Italian Ministry of the Environment to the 'Capo Caccia-Isola Piana' MPA. Alghero, May 9, 2008.
- 2007:** "Marine protected areas and species interactions: implications for the sea urchin *Paracentrotus lividus* and Mediterranean rocky reef communities". Meeting held in the frame work of the Interreg Project CE.A.MA.T. entitled "Effects of protecting the *Posidonia oceanica* habitat and the role of related animal species: studies and management options", Alghero 14 December 2007.
- 2006:** "Analysis of spatial distribution in marine communities". 37° Congress of the Italian Society of Marine Biology, Grosseto (Italy) June 5-10, 2006.

Reviewer for the following funding agencies

- National Science Foundation (NSF; USA);
- University of Hawaii-Sea Grant Program (USA).
- European Fund for Regional Development (FED; France).

Editorial board of the following journals

- Editorial Board Member of the international journal *The Open Conservation Biology Journal*, Bentham Science Publisher.
- Editorial Board Member of the international journal *The Open Fish Science Journal*, Bentham Science Publisher.
- Editorial Board Member of the international journal *Dataset Papers in Ecology*, Hindawi Publishing Corporation.
- Editorial Board Member of the national journal *Thalassia Salentina*, Marine Biology Museum of Porto Cesareo-University of Salento Publishing.
- Associate Editor of *Biologia Marina Mediterranea*, official journal of the "Società Italiana di Biologia Marina (SIBM)".

Scientific reviewer for the following journals with impact factor (n=36)

Acta Adriatica, Aquatic Biology, Aquatic Living Resources, Biodiversity and Conservation, Biological Conservation, Bulletin of Marine Science, Bulletin of the Sea Fisheries Resources, Chemistry and

Ecology, Conservation Letters, Cybium, Ecological Applications, Ecology, Ecology Letters, Environmental Conservation, Estuarine Coastal and Shelf Science, Fisheries Management and Ecology, Global Change Biology, ICES Journal of Marine Science, Journal of Animal Biology, Journal of Environmental Management, Journal of Ethnobiology and Ethnomedicine, Journal of Evolutionary Biology, Journal of the Marine Biological Association UK, Journal of Sea Research, Marine Biology, Marine Ecology Progress Series, Marine Environmental Research, Mediterranean Marine Science, Molecular Ecology, Nature Scientific Reports, Oceanologica Acta, PlosONE, Progress in Oceanography, PSZN Marine Ecology, Scientia Marina.

Scientific reviewer for the following journals without impact factor

Biologia Marina Mediterranea, Bollettino dell'Associazione Italiana di Oceanografia e Limnologia, Bollettino Malacologico, Thalassia Salentina, The Open Conservation Biology Journal.

Other

Languages

Mother tongue(s): Italian and Genoese
Other language(s): English (proficient user C1: understanding, speaking, writing)
French ((proficient user C1: understanding, speaking, writing)
(* [Common European Framework of Reference for Languages](#))

Awards and prizes

2015: Scientific award 'Golden saw', University of Genoa (Italy).

2011: 'Conservation Biology Highly Cited Author 2008-2011' Award for the paper "Guidetti P., Milazzo M., Bussotti S., Molinari A., Murenu M., Pais A., Spanò N., Balzano R., Agardy T., Boero F., Carrada G., Cattaneo-Vietti R., Cau A., Chemello R., Greco S., Manganaro A., Notarbartolo di Sciara G., Russo G.F., Tunesi L., 2008. Italian marine reserve effectiveness: does enforcement matter? *Biological Conservation*, 141: 699-709". Highly cited paper award - Elsevier Publisher.

2010: Public award 'Premio Ambiente-Faraglioni di Puglia' (Municipality of Mattinata and Apulia Region) for the effort spent in research aimed at protecting the natural heritage in relation to socio-economic, cultural, scientific and touristic environmental development.

2006: Special Award of the Italian Society of Ecology to a young Italian researcher for the best paper in the field of ecology published in an international journal in 2005-2006.

2004: Award "Roberto Marchetti" for best oral presentation at 14° Congress of the Italian Society of Ecology.

1997: S.I.B.M. prize to participate to the 28° S.I.B.M. Congress.

1996: S.It.E. prize to participate to the 7° S.It.E. Congress.

Affiliations

- Italian Society of Marine Biology (S.I.B.M.)
- Italian Society of Ecology (S.It.E.)
- Italian Society of Zoology (U.Z.I.)
- Ecological Society of America (E.S.A.)
- Group d'Etude du Merou (GEM)

Outreach and dissemination

2011: collaboration with the Magazine National Geographic (Italy).

2010: Member of the Scientific Commission of the Association Slow Food - Apulia and Responsible for sustainability of Slow Food - Alto Salento.

2008-present: Scientific collaboration with "Radio 3 Scienza" for marine biology and ecology.

Other experiences and skills

- Competent with most Microsoft Office programmes (Word, Excel, Power Point), Acrobat, Photoshop, Photoshop, GMAV5, Primer, Permanova plus, Fisat softwares).
- SCUBA-diving PADI International license (Dive Master).
- Professional diving aptitude (France)
- Scientific design
- License 'B' (cars and motorbikes)
- Nautical license (boat, within 12 miles from coast).

Publications

Total number of IF publications: 100

Number of IF publications authored as first name: 54

Number of IF publications authored as last name: 20

Total impact factor (SCI Journal Citation Reports 2013) = 258.0

H index ISI = 27; H index Google scholar = 33

Publication with highest IF: Nature (IF=36.1)

Mean IF: 2.5

In press (on ISI journals with impact factor; n=3)

1. Giakoumi S., Halpern B.S., Michel L.N., Gobert S., Sini M., Boudouresque C.F., Gambi M.C., Katsanevakis S., Lejeune P., Montefalcone M., Pergent G., Pergent-Martini C., Sanchez-Jerez P., Velimirov B., Vizzini S., Abadie A., Coll M., Guidetti P., Micheli F., Possingham H.P., in press. Towards a framework for assessment and management of cumulative human impacts on marine food webs. *Conservation Biology*.
2. Di Franco A., Gianni F., Guidetti P., in press. Mismatch in early life traits between settlers and recruits in a Mediterranean fish: clue of the relevance of the settlement tail? *Acta Ichthyologica et Piscatoria*.
3. Bussotti S., Di Franco A., Francour P., **Guidetti P.**, in press. Fish assemblages of Mediterranean marine caves. *PlosOne*.

Papers published (on ISI journals with impact factor; n=97)

1. Rastorgueff P.A., Bellan-Santini D., Bianchi C.N., Bussotti S., Chevaldonné P., **Guidetti P.**, Harmelin J.G., Montefalcone M., Morri C., Perez T., Ruitton S., Vacelet J., Personnic S., 2015. An ecosystem-based approach to evaluate the ecological quality of Mediterranean undersea caves. *Ecological Indicators* 54: 137-152.
2. **Guidetti P.**, Ghigliotti L., Vacchi M., 2015. Insights on spatial distribution patterns of early stages of the Antarctic silverfish, *Pleuragramma antarctica*, in the platelet ice of Terra Nova Bay, Antarctica. *Polar Biology* 38: 333-342.
3. **Guidetti P.**, Parravicini V., Morri C., Bianchi C.N., 2014. Against nature? Why ecologists should not diverge from natural history. *Vie et Milieu*, 64: 1-8.
4. Di Franco A., Bulleri F., Pennetta A., De Benedetto G., Clarke K.R., **Guidetti P.**, 2014. Within-otolith variability in chemical fingerprints: implications for sampling designs and possible environmental interpretation. *PLoS ONE* 9(7): e101701. doi:10.1371/journal.pone.0101701
5. **Guidetti P.**, Baiata P., Ballesteros E., Di Franco A., Hereu B., Macpherson E., Micheli F., Pais A., Panzalis P.A., Rosenberg A.A., Zabala M., Sala E., 2014. Large-scale assessment of Mediterranean Marine Protected Areas effects on fish assemblages. *PLoS ONE*, 9(4): e91841. doi:10.1371/journal.pone.0091841.
6. Di Lorenzo M., D'Anna G., Badalamenti F., Giacalone V.M., Starr R., **Guidetti P.**, 2014. Fitting the size of no-take zone to species movement patterns: a case study on a Mediterranean seabream. *Marine Ecology Progress Series*, 502: 245-255.
7. Pujolar J.M., Schiavina M., Di Franco A., Melià M., **Guidetti P.**, Gatto M., De Leo G.A., Zane L., 2013. Understanding the effectiveness of marine protected areas using genetic connectivity patterns and Lagrangian simulations. *Diversity and Distributions*, 19: 1531-1542.

8. La Mesa G., **Guidetti P.**, Bussotti S., Cattaneo-Vietti R., Manganaro A., Molinari A., Russo G.F., Spanò N., Gennaro V., Tunesi L., 2013. Rocky reef fish assemblages at six Mediterranean marine protected areas: broad-scale patterns in assemblage structure, species richness and composition. *Italian Journal of Zoology*, 80: 90-103.
9. Papetti C., Di Franco A., Zane L., **Guidetti P.**, De Simone V., Spizzotin M., Zorica B., Cikes Kec V., Mazzoldi C., 2013. Single population and common natal origin for Adriatic *Scomber scombrus* stocks: evidence from an integrated approach. *ICES Journal of Marine Science*, 70: 387-398.
10. Di Franco A., Kaicheng Q., Calò A., Di Lorenzo M., Planes S., **Guidetti P.**, 2013. Assessing patterns of variability in early life traits: the case study of a Mediterranean coastal fish. *Marine Ecology Progress Series*, 476: 227-235.
11. Sahyoun R., Bussotti S., Di Franco A., Navone A., Panzalis P., **Guidetti P.**, 2013. Protection effects on Mediterranean fish assemblages associated with different rocky habitats. *Journal of the Marine Biological Association of the United Kingdom*, 93: 425-435.
12. Di Franco A., Di Lorenzo M., **Guidetti P.**, 2013. Spatial patterns of density at multiple life stages in protected and unprotected conditions: an example from a Mediterranean coastal fish. *Journal of Sea Research*, 76: 73-81.
13. **Guidetti P.**, Petrillo M., De Benedetto G., Albertelli G., 2013. The use of otolith microchemistry to investigate spawning patterns of European anchovy: a case study in the eastern Ligurian Sea (NW Mediterranean). *Fisheries Research*, 139: 1-4.
14. **Guidetti P.**, Notarbartolo di Sciara G., Agardy T., 2013. Integrating pelagic and coastal MPAs into large-scale ecosystem-wide management. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 23: 179-182.
15. Di Franco A., Coppini G., Pujolar J.M., De Leo G., Gatto M., Lyubartsev V., Melià P., Zane L., **Guidetti P.**, 2012. Assessing dispersal patterns of fish propagules from a Mediterranean Marine Protected Area. *PlosONE*, 7(12): e52108. doi:10.1371/journal.pone.0052108.
16. **Guidetti P.**, Micheli F., 2012. From arts to marine conservation: a response to Blanford and Stoehr. *Frontiers in Ecology and the Environment*, 10: 123.
17. Fenberg P.B., Ashworth J.S., Caselle J., Claudet J., Clemence M., Gaines S., García-Charton J.A., Gonçalves E., Grorud-Colvert K., **Guidetti P.**, Jenkins S., Jones P., Lester S., McAllen R., Moland E., Planes S., Sørensen T.K., 2012. The science of European marine reserves: status, efficacy, and future needs. *Marine Policy*, 36: 1012-1021.
18. Sala E., Ballesteros E., Dendrinis E., Di Franco A., Ferretti F., Foley D., Frascchetti S., Friedlander A., Garrabou J., Güçlüsoy H., **Guidetti P.**, Halpern B.S., Hereu B., Karamanlidis A., Kizilkaya K., Macpherson E., Mangialajo L., Mariani S., Micheli F., Riser K., Sales M., Starr R., Selkoe K.A., Tomas F., Zabala M., 2012. The structure of Mediterranean rocky reef ecosystems across environmental and human gradients. *PlosONE*, 7(2): e32742. doi:10.1371/journal.pone.0032742.
19. Di Franco A., Gillanders B.M., De Benedetto G., De Leo G.A., **Guidetti P.**, 2012. Dispersal patterns of coastal fish: implications for designing networks of marine protected areas. *PlosONE*, 7(2): e31681. doi:10.1371/journal.pone.0031681.
20. Schunter C., Carreras-Carbonell J., Macpherson E., Tintoré J., Vidal-Vijande E., Pascual A., **Guidetti P.**, Pascual M., 2011. Matching genetics with oceanography: directional gene flow in a Mediterranean fish species. *Molecular Ecology*, 20, 5167-5181.
21. **Guidetti P.**, Micheli F., 2011. Art serving marine conservation. *Frontiers in Ecology and the Environment*, 9, 374-375.
22. **Guidetti P.**, 2011. The destructive date-mussel fishery and the persistence of barrens in Mediterranean rocky reefs. *Marine Pollution Bulletin*, 62, 691-695.
23. Di Franco A., De Benedetto G., De Rinaldis G., Raventos N., Sahyoun R., **Guidetti P.**, 2011. Large scale variability in otolith microstructure and microchemistry: the case study of *Diplodus sargus sargus* (Sparidae) in the Mediterranean Sea. *Italian Journal of Zoology*, 78, 182-192.

24. Di Franco A., **Guidetti P.**, 2011. Patterns of variability in early-life traits of fishes depend on spatial scale of analysis. *Biology Letters*, 7: 454-456.
25. Bussotti S., **Guidetti P.**, 2011. Timing and habitat preferences for settlement of juvenile fishes in the Marine Protected Area of Torre Guaceto (south-eastern Italy, Adriatic Sea). *Italian Journal of Zoology*, 78, 243-254.
26. Claudet J., **Guidetti P.**, 2010. Fishermen contribute to protection of marine reserves. *Nature* 464: 673.
27. Azzurro E., Matiddi M., Fanelli E., **Guidetti P.**, La Mesa G., Scarpato A., Axiak V., 2010. Sewage pollution impact on Mediterranean rocky-reef fish assemblages. *Marine Environmental Research*, 69: 390-397.
28. Gravili C., Belmonte G., Cecere E., Denitto F., Giangrande A., **Guidetti P.**, Longo C., Mastrototaro F., Moscatello S., Petrocelli A., Piraino S., Terlizzi A., Boero F., 2010. Non-indigenous species (NIS) along the Apulian coast, Italy. *Chemistry and Ecology*, 26: 121-142.
29. Parravicini V., **Guidetti P.**, Morri C., Montefalcone M., Donato M., Bianchi C.N., 2010. Consequences of sea water temperature anomalies on a Mediterranean submarine cave ecosystem. *Estuarine, Coastal and Shelf Science*, 86: 276-282.
30. Claudet J., **Guidetti P.**, 2010. Improving assessments of marine protected areas. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 20: 239-242.
31. **Guidetti P.**, Bussotti S., Pizzolante F., Ciccolella A., 2010. Assessing the potential of an artisanal fishing co-management in the Marine Protected Area of Torre Guaceto (southern Adriatic Sea, SE Italy). *Fisheries Research* 101: 180-187.
32. **Guidetti P.**, Claudet J., 2010. Co-management practices enhance fisheries in marine protected areas. *Conservation Biology*, 24: 312-318.
33. Di Franco A., Bussotti S., Navone A., Panzalis P., **Guidetti P.**, 2009. Evaluating effects of total and partial restrictions to fishing on Mediterranean rocky-reef fish assemblages. *Marine Ecology Progress Series*, 387: 275-285.
34. Gianguzza P., Bonaviri C., **Guidetti P.**, 2009. Crushing predation of the spiny star *Marthasterias glacialis* upon the sea urchin *Paracentrotus lividus*. *Marine Biology*, 156: 1083-1086.
35. Bussotti S., **Guidetti P.**, 2009. Do Mediterranean fish assemblages associated with marine caves and rocky cliffs differ? *Estuarine, Coastal and Shelf Science*, 81: 65-73.
36. **Guidetti P.**, Milazzo M., Bussotti S., Molinari A., Murenu M., Pais A., Spanò N., Balzano R., Agardy T., Boero F., Carrada G., Cattaneo-Vietti R., Cau A., Chemello R., Greco S., Manganaro A., Notarbartolo di Sciarra G., Russo G.F., Tunesi L., 2008. Italian marine reserve effectiveness: does enforcement matter? *Biological Conservation*, 141: 699-709.
37. **Guidetti P.**, Vierucci E., Bussotti S., 2008. Differences in escape response of fish in protected and fished Mediterranean rocky reefs. *Journal of the Marine Biological Association of the United Kingdom*, 88: 625-627.
38. Dulcic J., Scordella G., **Guidetti P.**, 2008. On the record of the Lessepsian migrant *Fistularia commersonii* (Rüppell, 1835) from the Adriatic Sea. *Journal of Applied Ichthyology*, 24: 101-102.
39. **Guidetti P.**, 2007. Predator diversity and density affect predation levels upon strongly interactive species in temperate rocky reefs. *Oecologia*, 154: 513-520.
40. Vacchi M., Bussotti S., Miglietta A.M., **Guidetti P.**, 2007. Presence of the Guinean puffer *Sphoeroides marmoratus* (Lowe, 1838) in the Mediterranean Sea. *Journal of Fish Biology*, 71: 1215-1219.
41. Dufour F., **Guidetti P.**, Francour P., 2007. Comparaison des inventaires de poisson dans les aires marine protégées de Méditerranée: influence de la surface et l'ancienneté. *Cybium*, 31: 19-31.
42. Pais A., Azzurro E., **Guidetti P.**, 2007. Spatial variability of fish fauna in sheltered and exposed shallow rocky reefs from a recently established Mediterranean Marine Protected Area. *Italian Journal of Zoology*, 74: 277-287.

43. **Guidetti P.**, Sala E., 2007. Community-wide effects of marine reserves in the Mediterranean Sea. *Marine Ecology Progress Series*, 335:43-56.
44. **Guidetti P.**, 2007. Potential of marine reserves to cause community-wide changes beyond their boundaries. *Conservation Biology*, 21: 540-545.
45. **Guidetti P.**, Dulcic J., 2007. Relationships among predatory fish, sea urchins and barrens in Mediterranean rocky reefs across a latitudinal gradient. *Marine Environmental Research*, 63: 168-184.
46. **Guidetti P.**, 2006. Marine reserves reestablish lost predatory interactions and cause community changes in rocky reefs. *Ecological Applications*, 16 (3): 963-976.
47. **Guidetti P.**, 2006. Estimating body size of sea urchins, *Paracentrotus lividus* and *Arbacia lixula*, from stomach contents of *Diplodus sargus*, a Mediterranean predatory fish. *Journal of Applied Ichthyology*, 22: 91-93.
48. Bussotti S., **Guidetti P.**, 2005. Distribution patterns of the golden goby, *Gobius auratus*, in Mediterranean sublittoral rocky cliffs. *Italian Journal of Zoology*, 72: 305-309.
49. Terlizzi A., Benedetti-Cecchi L., Bevilacqua S., Frascchetti S., **Guidetti P.**, Anderson M.J., 2005. Multivariate and univariate asymmetrical analyses in environmental impact assessment: a case study of Mediterranean subtidal hard substrate sessile assemblages. *Marine Ecology Progress Series*, 289: 27-42.
50. **Guidetti P.**, Bussotti S., Boero F., 2005. Evaluating the effects of protection on fish predators and sea urchins in shallow artificial rocky habitats: a case study in the northern Adriatic Sea. *Marine Environmental Research*, 59: 333-348.
51. **Guidetti P.**, Verginella L., Viva C., Odorico R., Boero F., 2005. Protection effects on fish, and comparison of two visual-census techniques in shallow artificial rocky habitats in the northern Adriatic Sea. *Journal of the Marine Biological Association of the United Kingdom*, 85: 247-255.
52. **Guidetti P.**, Mori M., 2005. Morpho-functional defences of Mediterranean sea urchins, *Paracentrotus lividus* and *Arbacia lixula*, against fish predators. *Marine Biology*, 147: 797-802.
53. **Guidetti P.**, Terlizzi A., Boero F., 2004. Effects of the edible sea urchin, *Paracentrotus lividus*, fishery along the Apulian rocky coasts (SE Italy, Mediterranean Sea). *Fisheries Research*, 66: 287-297.
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