

EMANUELA FANELLI

PERSONAL INFORMATION



✉ e.fanelli@univpm.it


https://www.researchgate.net/profile/Emanuela_Fanelli/

Metrics (last update on June 2021): *H-index* GS: 32; 2609 citations.

<https://scholar.google.com/citations?user=zdXIr1AAAAAJ&hl=it&oi=sra>

PROFESSIONAL ADDRESS

Department of Life and Environmental Sciences
 Polytechnic University of Marche
 Via Breccie Bianche
 60131 Ancona
 ITALY
 Ph. +39 071 2204353

CURRENT POSITION: Associate Professor (full-employed) Polytechnic University of Marche, Department of Life and Environmental Sciences.

RESEARCH FIELD:

Trophic webs; deep-sea ecosystems; biodiversity; trophic ecology of deep-sea species; stable isotopes analysis to elucidate trophic web structure and trophodynamics of marine ecosystems; effects of climate change on marine communities; biological invasions in the Mediterranean; cold-water corals; deep-sea conservation and monitoring.

EDUCATION

Ph.D in Ecology and Management of Biological Resources (excellent) by the University of Viterbo, Italy (March 2007).

Italian Master of Science in Biology (5 yrs, 110/110 *cum laude*) by the University of Rome “La Sapienza” (February 1999). MSc Thesis in Fishery Biology.

RESEARCH EXPERIENCE: CONTRACTS & FELLOWSHIPS

- **15th December 2017:** Associate professor (full employed) at Polytechnic University of Marche, Department of Life and Environmental Sciences.
- **3rd December 2012 –14th December 2017:** Researcher (full employed) at ENEA (L3F2).
- **January 2010-December 2012:** Three years Postdoctoral Fellowship *Juan de la Cierva* (Spanish Minister of Science and Innovation) at ICM.-CSIC, Barcelona.
- **December 2009-January 2008.** Two years Postdoctoral Fellowship of Spanish Minister of Education and Science at ICM-CSIC, Barcelona.
- **January-December 2007.** Research contract at IAMC-CNR of Mazara del Vallo..
- **January 2004-December 2006.** Three years Pre-doctoral fellowship (during the PhD E. Fanelli carried out part of her research at ICM-CSIC, Barcelona, and part at IAMC-CNR, Castellammare del Golfo, Trapani).
- **January-December 2003.** One-year research fellowship at ICM-CSIC funded by University la Sapienza of Rome.

- **May 2001-December 2002.** Research contracts at ICRAM (Central Institute for Marine Research, Rome).
- **April 2000-March 2001.** CoNISMa Research fellowship at the “Ispettorato Centrale per la Difesa del Mare ICDM - Ministero dell’ambiente”.
- **February 1999-February 2000.** Internship at Department of Human and Animal Biology of the University of Rome “La Sapienza”: Management and analysis of fishery data.

RESEARCH EXPERIENCE: LIST OF PROJECTS, DURATION OF THE PARTICIPATION/INVOLVEMENT AND ROLE

- MEDITS-IT (Mediterranean International Trawl Survey) Univ. La Sapienza, Rome, from 1997 to 2000. Personal Role: Participant
- GRUND (Assessment of Demersal Resources) Univ. La Sapienza, Rome, from 1997 to 2000. Personal Role: Participant
- Studio pilota per l’impatto ambientale connesso allo sfruttamento di depositi sabbiosi sommersi ai fini di ripascimento (*Environmental impact following the extraction of marine sands for beach nourishment*); ICRAM (now ISPRA), Rome, from 4.05.2001 to 4.08.2001. Personal Role: Participant
- Analisi dei dati biologici e della pesca per l’elaborazione di un piano di monitoraggio (*Analysis of biological and fishery data for developing a monitoring plan*); ICRAM (now ISPRA), Rome, from 07.09.2001 to 31.10.2001. Personal Role: Participant
- Esecuzione di attività finalizzate alla caratterizzazione di un’area di mare individuata per il prelievo di sabbie destinate al ripascimento dei tratti critici del litorale emiliano-romagnolo (*Site assessment of a sea area intended to sand extraction for beach nourishment*). ICRAM (now ISPRA), Rome, from 1.11.2001 to 31.12.2002. Personal Role: Participant
- MEDITS ES 0503, IEO Malaga, from 25.04.2003 to 10.05.2003. Personal Role: Participant
- IDEA (*Influence of oceanographic structure and dynamics on DEmersal populations in waters of the BAlearic Islands*); funded by Ministry of Science and Technology, ICM-CSIC Barcelona. Duration: from August 2003 to June 2004. Personal Role: Participant and Responsible for suprabenthos and zooplankton sampling onboard.
- ECOPREST0304 (*Impact of Prestige oil spill on benthic communities of the Iberian continental shelf and on fishery resources*). Funded by: Ministry of Science and Technology “Plan Nacional I+D+I” (Spain), from 1.03.2004 to 1.09.2004. Personal Role: Responsible for trophic ecology of decapods and stable isotopes analysis.
- DEMERSALES 2004 (Assessment of Demersal Resources of the Atlantic Spanish waters). Funded by: Ministry of Science and Technology “Plan Nacional I+D+I” (Spain). Duration: from 17.09.2004 to 23.10.2004. Personal Role: Responsible for trophic ecology of decapods.
- *Re-establishment of fishery resource in a previously high-exploited area: large-scale dynamics of fish communities and trophic structure of the whole marine community.* Funded by: Ministry of University and Scientific Research (MIUR, Italy). From 1.12.2004 to 31.12.2006. Personal Role: Participant and responsible for suprabenthos sampling and analysis
- Assessment of the efficacy of trawl fishery exclusion zones by means of the study of prey and predators of red mullet *Mullus barbatus* L. Funded by Italian Ministry of Agriculture and Forest. Duration from 1.05.2005 to 30.06.2005. Personal Role: Participant and responsible for suprabenthos sampling and analysis
- Assessment of *Posidonia oceanica* meadows, of fish fauna associated and their trophic relationships. Funded by: Special Funds of European Community (FESR-POR), from 2nd January 2007 to 31st December 2007. Personal Role: Participant and responsible for fish fauna sampling and analysis

- BIOMARE (Identification of Biomarkers of the anthropogenic impact on Marine communities: an Ecosystemic approach). Funded by Spanish Ministry of Science and Technology, CTM2006-13508-CO2-02/MAR, from 1st January 2007 to 31st December 2009. ICM-CSIC Barcelona (Spain). Personal Role: Responsible for WP3 “stable isotope analysis and trophic ecology”
- ANTROMARE (Effects of natural variability and anthropogenic impact on diversity and bathyal trophic webs of the deep-sea Mediterranean). Funded by Spanish Ministry of Science and Technology, CTM2009-12214-C02-01/MAR, from 1st January 2010 to 31st December 2012 (extended to 31st Dec, 2013). ICM-CSIC Barcelona (Spain). Personal Role: Responsible for WP2 “stable isotope analysis and trophic ecology”
- RITMARE (WP1-AZ2, Trophic webs). Funded by Italian Ministry of University and Research, from 1st January 2013 to 31st December 2015. IAMC-CNR, Italy. Personal Role: Participant and responsible for stable isotope analysis and trophic ecology
- FISHAUT (TNA FixO3). Funded by EU FP7. Duration from 21st May 2015 to 20th May 2016 Scientist in charge: Dr. E. Fanelli (ENEA), Italy (6k€)
- RITMARE-Marine Litter. Funded by MIUR. Duration from April 2016 to December 2016 Scientist in charge: Dr. M. Sprovieri, Responsible of ENEA activities (40k€): E. Fanelli
- IDEM. Funded by DG-Environment. Duration from April 2017 to March 2019. Scientist in charge: Prof. R. Danovaro, Responsible of ENEA activities (110k€): E. Fanelli; Responsible of Action 2
- ADVANCE (TNA Jerico-Next). Funded by EU FP7. February 2018-March 2019. Co-PIs: Prof. E. Fanelli (UNIVPM) and Dr. S. Marini (ISMAR-CNR) (8k€). <http://www.jerico-ri.eu/tna/selected-projects/second-call/advance/>
- PLACE ARS01_00891. Funded by PON (FESR). Duration from June 2018 to January 2021. Personal Role: Responsible of OR5 activities
- SHINE (TNA Assemble+). May-June 2021. PIs: Prof. E. Fanelli (UNIVPM)

Other projects:

- Responsible for UNIVPM of the ENI contract no. 2500032813, coordinator IRBIM-CNR (UNIVPM 65k€)
- Responsible of the Agreement ISPRA-CONISMA (Marine Strategy Nazionale III) for descriptor 4-Adriatic sub-region (Fanelli E. 15k€)
- Responsible of the Agreement ISPRA-CONISMA 2021-2023 (Marine Strategy Nazionale III) for descriptor 4-Adriatic sub-region (Fanelli E. 30k€)

TEACHING EXPERIENCE

- Since 2020:** Teacher of “Marine Biology and Ecology” (BIO/07) for International Master IMBRSea in Marine Biology, Polytechnic University of Marche;
- 2018-2020:** Teacher of “Marine Biology and Ecology” (BIO/07) for MSc Degree in Marine Biology, Polytechnic University of Marche;
- 2017-2018 and 2021:** Teacher of “Fishery Biology” (BIO/07) for MSc Degree in Marine Biology, Polytechnic University of Marche;
- Since 2017:** Teacher of “Ecology” (BIO/07) for 1^o level Degree in Biological Sciences, Polytechnic University of Marche;
- Since 2017:** Supervisor of students for BSc and MSc (12) theses in Ecology and Marine Biology, Polytechnic University of Marche;
- 2016:** II semester: Integrative course on “Food webs and deep-sea environments” for the course of Marine Biology (2^o level degree in marine Biology) at the Polytechnic University of Marche, responsible Prof. R. Danovaro;
- 2016:** Supervisor of students for BSc (3) and MSc (2) theses in Marine Biology from the University of Pisa;

- 2015:** II semester: course of “Biology of deep-sea ecosystems and of water-column” at the University of Pisa, Dep. of Earth Sciences for the Degree in Environmental Sciences: code 357EE, BIO/05; <http://www.dst.unipi.it/elenco2deicorsi.html>;
- 2015:** Co-supervisor of a PhD student (Ilaria Conese) from the University of Bologna (Italy).
- 2013-2015:** Supervisor of Undergraduate students from the University of Pisa for traineeships.
- 2013:** Lecturer Polytechnic University of Marche (Ancona, IT) “Stable isotopes in ecology and environmental studies”;
- 2012:** Supervisor of Undergraduate students from Autonomous University of Barcelona (UAB).
- 2009-2007:** Supervisor of the BSc Students and tutor of MSc Theses for the University of Palermo and Padua.
- 2005-2007:** Lecturer University of Trapani (IT) and Palermo (IT) “The impact of trawling on benthic communities”; “Adaptations of marine organisms to deep-sea conditions”; “Life in the deep-sea”; “Benthic communities of the Mediterranean sea”.

PUBLICATIONS IN PEER-REVIEWED JOURNALS: LAST 5 YEARS PUBLICATIONS:

SHE AUTORED/CO-AUTHORED 83 PEER-REVIEWED PAPERS PUBLISHED IN JOURNALS WITH IF

Submitted/under revision

- Da Ros Z., Dell’Anno A., **Fanelli E.***, Angeletti L., Taviani M., Danovaro R. Food preference of Mediterranean cold-water corals in captivity. *Journal of Marine Systems* (submitted) *corresponding author
- Bianchelli E., Lo Martire M., Pola L., Gambi C., **Fanelli E.**, Danovaro R., Corinaldesi C. Impact of hypersaline brines on benthic meio- and macrofaunal assemblages: a comparison from three desalination plants of the Mediterranean Sea. *Desalination* (under review)
- **Fanelli, E.**, Menicucci, S., Malavolti, S., De Felice, A., and Leonori, I.: Mesoscale variations in the assemblage structure and trophodynamics of mesozooplankton communities of the Adriatic basin (Mediterranean Sea), *Biogeosciences Discuss.* [preprint], <https://doi.org/10.5194/bg-2021-240>, in review, 2021.
- Bada N., Da Ros Z., Rindi F., Busi S., Azzurro E., Derbal F., **Fanelli E.*** Seasonal trophic ecology of the invasive crab *Percnon gibbesi* (Brachyura, Plagusiidae) in the southwestern Mediterranean: insights from stomach contents and stable isotope analyses. *Marine Environmental Research* (accepted with revision) *corresponding author

2021

83. **Fanelli E.**, Bianchelli S., Foglini F. et al. Identifying priorities for the protection of deep Mediterranean Sea ecosystems through an integrated approach. *Frontiers in Marine Science* (in press).
82. Danovaro R., **Fanelli E.** et al. (2021). Reply to: Ecological variables for a global deep-ocean monitoring strategy must include microbiota and meiofauna to achieve effective management and conservation. *Nat. Ecol. Evol.* 5, 30–31 all authors with equal contribution

2020

81. Alonso-Hernández C.M.; **Fanelli E.**; Diaz-Asencio M.; Santamaría J.M.; Morera-Gómez Y. Carbon and nitrogen isotopes to distinguish sources of sedimentary organic matter in a Caribbean estuary. *Isotopes in Environmental & Health Studies* (<https://doi.org/10.1080/10256016.2020.1819263>).
80. Aguzzi J., López-Romero D., Marini S., Costa C., Berry A., Chumbinho R., Ciuffardi T., **Fanelli E.**, Pieretti N., Del Río J., Stefanni S., Mirimin L., Doyle J., Lordan C. Gaughan P. 2020. Multiparametric monitoring of fish activity rhythms in a coastal Atlantic cabled observatory. *Journal of Marine Systems* 212, 103424

79. Costa C., **Fanelli E.**, Marini S., Danovaro R., Aguzzi J. (2020). Global deep-sea biodiversity research trends highlighted by science mapping approach. *Frontiers in marine science* (in press) <https://doi.org/10.3389/fmars.2020.00384>. *All authors with equal contribution*
78. Aguzzi J., Iveša N., Gelli M., Costa C., Gavrilovic A., Cukrov N., Cukrov M., Cukrov Nu., Omanovic D., Štifanić M., Marini S., Piria M., Azzurro E., **Fanelli E.**, Danovaro R. 2020. Ecological video monitoring of Marine Protected Areas by underwater cabled surveillance cameras. *Marine Policy* 119: 104052. <https://doi.org/10.1016/j.marpol.2020.104052>
77. **Fanelli E.**, Aguzzi J., Marini S., Del Rio J, Nogueras M., Stefanni S., Canese S., Danovaro R., Conversano F. 2020. Towards Naples Ecological REsearch for Augmented Observatories (NEREA): The NEREA-Fix Module, a Stand-Alone Platform for Long-Term Deep-Sea Ecosystem Monitoring. *Sensors* 20(10), 2911. <https://doi.org/10.3390/s20102911>
76. Lopez-Vazquez V., Lopez-Guede J.M., Marini S., **Fanelli E.**, Johnsen E., Aguzzi J., 2020. Video Image Enhancement and Machine Learning Pipeline for Underwater Animal Detection and Classification at Cabled Observatories. *Sensors* 20: 726.
75. Manea E., Bianchelli S., **Fanelli E.**, Danovaro R., Gissi E., 2020. Towards an Ecosystem-Based Marine Spatial Planning in the deep Mediterranean Sea. *Science of Total Environment* 715: 136884.
74. Mecho A., Francescangeli M., Ercilla G., **Fanelli E.**, Estrada F., Valencia J., Costa C., Sobrino I., Danovaro R., Company J.B., Aguzzi J. (2020). Deep-sea litter in the Gulf of Cadiz (North-Eastern Atlantic, Spain). *Marine Pollution Bulletin*, 153, 110969. <https://doi.org/10.1016/j.marpolbul.2020.110969>
73. Aguzzi J., Flexas M., Flögel S., Thomsen L., Lo Iacono C., **Fanelli E.**, Bahamon N., Danovaro R., Tangherlini M. (2020). Exo-oceans exploration with deep-sea sensor and platform technologies. *Astrobiology* 20(7), [DOI: 10.1089/ast.2019.212](https://doi.org/10.1089/ast.2019.212)
72. Danovaro R., **Fanelli E.** et al., 2020. Towards a marine strategy for the deep Mediterranean Sea. *Marine Policy* 112: 103781. *First six authors with equal contribution*
71. Danovaro R., **Fanelli E.**, Aguzzi J. et al., 2020. Ecological indicators for a global deep-ocean monitoring and conservation strategy. *Nature Ecology and Evolution* 4: 181–192. *All authors equally contributed.* (Boero F: Faculty Opinions Recommendation of [Danovaro R et al., *Nat Ecol Evol* 2020 4(2):181-192]. In Faculty Opinions, 13 Feb 2020; 10.3410/f.737318202.793570670)
70. Rountree R.A., Aguzzi J., Marini S., **Fanelli E.**, De Leo F.C., Juanes F., Del Rio J. 2020. Towards an optimal design for ecosystem-level ocean observatories. *Oceanography and Marine Biology: an Annual Review* (in press)

2019

69. Aguzzi J., Chatzievangelou D., Marini S., **Fanelli E.**, et al. New high-tech interactive and flexible networks for the future monitoring of deep-sea ecosystems. *Environmental Science and Technology* DOI: 10.1021/acs.est.9b00409
68. Conese I.*, **Fanelli E.***, Miserocchi S., Langone L. (2019). Food web structure and trophodynamics of deep-sea plankton from the Bari Canyon and adjacent slope (Southern Adriatic, central Mediterranean Sea). *Progress in Oceanography* 175, 92–104 **first two authors with equal contribution*
67. Azzurro E., Sbragaglia V., Cerri J., Bariche M., Bolognini L., Ben Souissi J., Busoni G., Chryssanthi A., Coco S., **Fanelli E.** et al. (2019). Climate change, biological invasions, and the shifting distribution of Mediterranean fishes: A large-scale survey based on local ecological knowledge. *Global climate change*, 25(8): 2779-2792.
66. Sbragaglia V., Nuñez J.D., Dominoni D., Coco S., **Fanelli E.**, Azzurro E., Marini S., Nogueras M., Ponti M., del Rio J., Aguzzi J. (2018). Annual rhythms of temporal niche partitioning in the Sparidae family are correlated to different environmental variables. *Scientific Report* 9, 1708

2018

65. **Fanelli E.**, Bianchelli S., Danovaro R. (2018). Deep-sea mobile megafauna of Mediterranean submarine canyons and open slopes: analysis of spatial and bathymetric gradients. *Progress in Oceanography* 168, 23-24 <https://doi.org/10.1016/j.pocean.2018.09.010>
64. Marini S., **Fanelli E.**, Azzurro E., Sbragaglia V., Del Rio J., Aguzzi J. (2018) Automatic fish counting from underwater video images: performance estimation and evaluation. *Scientific report* (2018) 8:13748, DOI:10.1038/s41598-018-32089-8
63. Marini S., Corgnati L., Mantovani C., Bastianini M., Ottaviani E., **Fanelli E.**, Aguzzi J., Griffa A., Poulain P.-M. (2018). Automated estimate of fish abundance through the autonomous imaging device GUARD1. *Measurement* 126: 72-75
62. Bussotti S., Di Franco A., Bianchi C.N., Chevalloné P., Egea L., **Fanelli E.**, et al. (2018). Fish mitigate marine caves oligotrophy. *Scientific report*, 8: 9193.
61. Aguzzi J., **Fanelli E.**, Ciuffardi T., Doya C., Kawato M., Miyazaki M., Furushima Y., Costa C., Fujiwhara Y. (2018). Faunal activity rhythms influencing early community succession of an implanted whale carcass offshore Sagami Bay, Japan. *Scientific Report*, 8: 11163.
60. Azzurro E., Bolognini L., ..., **Fanelli E.** et al. (2018). Detecting the occurrence of indigenous and non-indigenous megafauna through fishermen knowledge: A complementary tool to coastal and portsurveys. *Marine Pollution Bulletin* DOI: 10.1016/j.marpolbul.2018.01.016
- 2017
59. Papiol V., **Fanelli E.***, Cartes J.E., López-Pérez C., Rumolo P. Effect of lipid extraction on the isotopic composition of deep-sea megafauna. *J. Exp. Mar. Biol. Ecol.* 497:230-242
*corresponding author
58. Alonso-Hernandez C.M., Garcia-Moya A., Tolosa I., Diaz-Asencio M., Corcho-Alvarado J.A., Morera-Gomez Y., **Fanelli E.** Tracing organic matter sources in a tropical lagoon of the Caribbean Sea. *Continental Shelf Research*, <https://doi.org/10.1016/j.csr.2017.08.001> **IF 2016: 2.064**
57. Rumolo P., **Fanelli E.**, Barra M. Bonanno A. et al. Trophic relationships of zooplankton in the Central Mediterranean sea: a stable isotopes approach. *Hydrobiologia Special issue*, DOI 10.1007/s10750-017-3334-9 **IF 2016: 2.056**
56. **Fanelli E.**, Rumolo P., Barra M., Basilone G., Genovese S., Bonanno A. Mesoscale variability in the trophic ecology of the European hake *Merluccius merluccius* in the Strait of Sicily. *Hydrobiologia*, 821(1), 57-72. DOI: 10.1007/s10750-017-3268-2 **IF 2016: 2.056**
55. Danovaro R., Aguzzi J., **Fanelli E.**, et al. An international new ecosystem-based monitoring and assessment strategy for the global deep ocean. *Science* 355 (6324): 452-454. **IF 2015: 34.661 (first three authors with equally contribution)**
54. Rumolo P., Basilone G., **Fanelli E.**, Barra M., Calabrò M., Genovese S., Gherardi S., Ferreri R., Mazzola S., Bonanno A. (2017) Linking spatial distribution and feeding behavior of Atlantic horse mackerel (*Trachurus trachurus*) in the Strait of Sicily (Central Mediterranean sea). *Journal of Sea Research* 121: 47-58 <http://dx.doi.org/10.1016/j.seares.2017.01.002> **IF 2015: 2.148**
53. Suaria G., Pierucci A., Zanello P., **Fanelli E.**, Chiesa S., Azzurro E. On the occurrence of *Percon gibbesi* (H. Milne Edwards, 1853) and *Callinectes sapidus* (Rathbun, 1896) in the Ligurian Sea: two more IAS detections made by sensitive citizens. *Marine Biodiversity records* 6(2): 147–151.
52. **Fanelli E.**, Delbono I, Cocito S., Ivaldi R., Peirano A. Cold water coral *Madrepora oculata* in the eastern Ligurian Sea (NW Mediterranean): historical banks and recent findings. *Aquatic Conservation: Mar Freshw Ecosyst.* 27(5): 965-975. DOI 10.1002/aqc.2751 **IF 2015: 2.415**
51. Aguzzi J., **Fanelli E.**, Ciuffardi T., Schirone A., Craig J., Riccobene G, Viola S., Capone A. and KM3NeT consortium (2017). Inertial bioluminescence rhythms at the Central

Mediterranean KM3NeT deep-sea neutrino telescope. *Scientific Reports* 7, 44938
doi:10.1038/srep44938 **IF 2015: 5.228**

OTHER PUBLICATIONS

Prof. Fanelli published more than 30 papers in both indexed and not journals, without impact factor. She also published technical books and guidelines, book chapters and a book for children.

MEMBERS OF EDITORIAL BOARDS

Prof. Fanelli is member of the editorial boards of

- *Food Webs* Elsevier: <https://www.journals.elsevier.com/food-webs/editorial-board>
- *Oceans* MDPI: <https://www.mdpi.com/journal/oceans/editors>
- *Frontiers in Marine Science* <https://loop.frontiersin.org/people/619945/editorial>

SYMPOSIUMS & CONFERENCES

Prof. Fanelli participated to more than 40 symposia and conferences, where in some cases she was invited speaker, chair of session and organizer of special session.

- She organized the second meeting of the WGFBIT meeting in Ancona, October 7-11 2019.
- Organizer of the Special Session “High-Tech Flexible Networks of Augmented Observatories for the Monitoring of Marine Ecosystems” at 2019 IMEKO TC-19 International Workshop on METROLOGY FOR THE SEA October 3 - 5, 2019, Genova, Italy

MEMBERS OF SCIENTIFIC SOCIETIES AND WORKING GROUPS

- Member of the Deep-sea Biology Society.
- Member of the Italian WG for the Implementation of the marine strategy in the deep sea.
- Member of the Working Group on “Vulnerable Marine Ecosystems” of GFCM.
- Member of the ICES Working Group on Fisheries Benthic Impact and Trade-offs (WGFBIT).
- Reviewer of the activity of the ICES WGDEC since 2017, in 2019 and 2020 chair of the review group.
- Member of the JRU-EMSO IT Secretariat for coordinating research and development activities in marine sciences as an Italian contribution to the European infrastructure EMSO ERIC.

ACADEMIC AND INSTITUTIONAL ROLES

- Since 2020 Alternate representant for the Chamber of Deputies at the Assembly of the Italian Commission of UNESCO (<http://www.unesco.it/it/ChiSiamo/Detail/183>)
- Since 2019 Vice-president of the MSc in Marine Biology (UNIVPM).
- Since 2018 Responsible of the Lab. of Marine Biology and Ecology (UNIVPM)

LANGUAGES

Mother tongue	Italian				
	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Spanish	C2	C2	C2	C2	C2
English	C1	C1	C1	C1	C1

Catalan

B2

B2

B1

B1

B1

RELEVANT RECEIVED COURSES:

- October **2015**, 5-9: 2nd Stable isotope course in ecology and environmental sciences held at Estación Biologica Doñana, Seville (Spain); by Prof. K. Hobson, Dr. G. Bowen, Dr. B. Semmens and Dr. L. Wassenaar: 5 days.
- December **2010**: Course of meta-analysis “Introduction to meta-analysis in ecology” held in Lecce at the University of Salento (Italy); by Prof. F. Micheli, Prof. C.W. Osemberg and Dr. J. Claudet, 3 days.
- September **2006**: Course of Statistical analysis, “Detecting change in biodiversity: experimental design and data analysis”, by Prof. M.J Anderson, Prof. L. Benedetti-Cecchi, Dr. K.R. Clarke and Dr. R.N. Gorley at the University of Pisa, 2 weeks.
- May **2006**: SYNTAX 2000. A program package for the analysis of multivariate biological data. By Prof. Podani Janos de la Eotvos University of Budapest. University of Viterbo “la Tuscia” Viterbo (IT), 16 hours.
- November **2004**: Course of Statistical analysis, using the Broadgar software, by A. Zuur, held at CNR of Ancona, Italy, 1 week.
- February **2003**: Course of Image analysis using the Image Pro 6.0 software, held at Imago of Barcelona, Spain, 8 hours.
- September **2001**: Course on “Ecological Modelling and Ecodynamics”. Sabaudia (LT), organized by Dr. V. Hull, 2 weeks.

OTHER RELEVANT INFORMATION

- In **2021** she was enabled for the qualification of **Full professor** (“Professore ordinario I fascia”) in Ecology (05/C1) according to the ASN.
- In **2012** she obtained a permanent position as **Researcher at IAMC-CNR TP2/4** (http://www.urp.cnr.it/copertine/formazione/form_concorsi/concorsi2009/364-100grad_E2_Ambiente.pdf), denying for personal reasons (http://www.urp.cnr.it/copertine/formazione/form_concorsi/concorsi2009/364-100grad_E2_Ambiente_Idoneo.pdf).
- **2016-20**: Member of the Board of Examiners for Temporal and fixed-term Researcher, Senior Researcher, Technologist and Senior Technologist Positions at the Zoological Station of Naples. Member of the Board of Examiners for Temporal Research contracts at ISPRA Sts Livorno, UNIVPM and CNR-IRBIM. Member of the Board of Examiners for Temporal Researcher Positions at the University of Venezia (RTD-B).
- **2017**: Member of the Board of Examiners for PhD candidates for the University of Oviedo (candidate Lucia Lopez-Lopez and Sonia Romero-Romero).
- Reviewer for international projects (France, Netherlands, Germany, Austria, Israel) and COST actions.
- Reviewer for more than 20 journals in the field of marine biology and ecology, biogeochemistry, water research, food webs.
- In **2007** she won a prize of 5000 € funded by “**Luigi and Francesca Brusarosco**” **Foundation** for the best project presented in the field of ecology by a young researcher SITE-AIOL.
- In **2005-2006** the project “**Trophic structure of Benthic Boundary layer fauna in two areas of Western Mediterranean**” was funded by the bilateral collaborations between **CNR (Italy) and CSIC (Spain)**.