





EMANUELA FANELLI

PERSONAL INFORMATION



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 https://www.researchgate.net/profile/Emanuela_Fanelli/
 Metrics (last update on March 6th 2018): *H-index* Google scholar: 25; *H-index* Researchgate: 25; *H-index* Scopus: 23. 1485 citations (GS).

Born April 30th, 1972, two children

PROFESSIONAL ADDRESS

Department of Life and Environmental Sciences
 Polytechnic University of Marche
 Via Breccie Bianche
 60131 Ancona
 ITALY
 tel.: +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 & TRAINING

- Ph.D in Ecology and Management of Biological Resources (excellent) by the University of Viterbo, Italy (March 2007). PhD Thesis: *Trophic relationships in demersal communities of Western Mediterranean: case studies from coastal and deep-sea ecosystems* (329 pp in English, http://dspace.univpm.it/bitstream/2067/569/1/efanelli_tesid.pdf).
- Doctoral Courses. University of Viterbo, Italy (February 2004-September 2006).
- Italian Master of Science in Biology (5 yrs, 110/110 *cum laude*) by the University of Rome "La Sapienza" (February 1999). MSc Thesis: *Crustaceans of the central Tyrrhenian Sea. The genus Plesionika (Bate, 1888)* (172 pp in Italian).

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).
- **From March 2013 to December 2016:** Associate Researcher with IAMC-CNR.
- **January 2010-December 2012:** Three years Postdoctoral Fellowship *Juan de la Cierva* (Spanish Minister of Science and Innovation): Scientist in charge: Dr. J.E. Cartes.

- **December 2009-January 2008.** Two years Postdoctoral Fellowship of Spanish Minister of Education and Science. Scientist in charge: Dr. J.E. Cartes.
- **January-December 2007.** Research contract: "Characterization of the ichthyofauna associated to *P. oceanica* meadows and trophic interactions. Funded by IAMC-CNR Unità Organizzativa Distaccata di Mazara del Vallo. Scientists in charge: Dr. F. Badalamenti and Dr. M. Gristina.
- **January 2004-December 2006.** Three years Pre-doctoral fellowship funded by IAMC-CNR.
- **January-December 2003.** Research fellowship at ICM-CSIC improving techniques and knowledge on feeding behaviour of decapod crustaceans and deep-sea sharks, funded by University la Sapienza of Rome, Italy. Tutor Dr. J. E. Cartes.
- **October 2001-December 2002.** Research contract: "Defining a methodologies to assess the impact of sand extraction for nourishment on demersal and benthic fauna". Funded by ICRAM (Central Institute for Marine Research, Rome). Scientist in charge: Dr. M. Gabellini.
- **July- September 2001.** Research contract: "Elaboration of sampling methods to assess the impact of sand extraction for nourishment". Funded by ICRAM. Scientist in charge: Dr. M. Gabellini.
- **May-June 2001.** Research contract: "Beach nourishment of Italian coasts (Anzio and Emilia Romagna, Italy)". Funded by ICRAM. Scientist in charge: Dr. M. Gabellini.
- **April 2000-March 2001.** Research fellowship at the "Ispettorato Centrale per la Difesa del Mare ICDM - Ministero dell'ambiente", getting involved in the marine coastal water monitoring data analysis, the study of problems connected with the institution and management of marine protected areas, with the protected species and biodiversity, the beaching of marine mammals and sea turtles along the Italian coasts (data management with the software GIS Arcview), funded by Italian Ministry of Environment. Scientist in charge: Prof. E. Fresi.
- **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: PROJECTS (TITLE, FUNDING, DURATION OF PROF. FANELLI COLLABORATION TO THE PROJECT AND SCIENTIST IN CHARGE ARE ALSO INDICATED)

Project Title: MEDITS-IT (Mediterranean International Trawl Survey) U.O. University of Rome "La Sapienza" Dep.t of Human and Animal Biology
 Funded by European Community (EC)
 Duration: one month survey (approximately May) from 1997 to 2000
 Scientist in charge: Prof. G.D. Ardizzone - University of Rome "La Sapienza"
 Personal Role: Participant

Project Title: GRUND (Assessment of Demersal Resources) General Investigation on Italian Demersal Resources U.O. University of Rome "La Sapienza" Dep. of Human and Animal Biology
 Funded by Ministry of Agriculture and Forest
 Duration: one month survey (approximately October) from 1997 to 2000
 Scientist in charge: Prof. G.D. Ardizzone - University of Rome "La Sapienza"
 Personal Role: Participant

Project Title: 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*)

Funded by: Region of Latium

Duration: from 4.05.2001 to 4.08.2001

Scientist in charge: Prof.G.D. Ardizzone - University of Rome "La Sapienza" and Dr. Massimo Gabellini - ICRAM (now ISPRA), Rome

Personal Role: Participant

Project Title: 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*)

Funded by: Region of Latium

Duration: from 07.09.2001 to 31.10.2001

Scientist in charge: Dr. Massimo Gabellini – ICRAM (now ISPRA), Rome

Personal Role: Participant

Project Title: 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*)

Funded by: Region of Emilia Romagna

Duration: from 1.11.2001 to 31.12.2002

Scientist in charge Dr. Massimo Gabellini - ICRAM (now ISPRA), Rome

Personal Role: Participant

Project Title: MEDITS ES 0503

Funded by EC

Duration: from 25.04.2003 to 10.05.2003

Scientist in charge: Dr. Luis Gil de Sola- IEO Malaga

Personal Role: Participant

Project Title: IDEA (*Influence of oceanographic structure and dynamics on DEmersal populations in waters of the BAlearic Islands*)

Funded by: Ministry of Science and Technology "Plan Nacional I+D+I" (Spain)

Duration: from August 2003 to June 2004

Scientist in charge: Dr. Enric Massuti/Beatriz Morales Nin - IEO/UIB Mallorca

Personal Role: Participant and Responsible for suprabenthos and zooplankton sampling onboard.

Project Title: 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)

Duration: from 1.03.2004 to 1.09.2004

Scientist in charge: Dr. Francisco Sanchez Delgado - IEO Santander

Personal Role: Participant and Responsible for trophic ecology of decapods and stable isotopes analysis.

Project Title: 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

Scientist in charge: Dr. Francisco Sanchez Delgado - IEO Santander (Spain)

Personal Role: Participant and Responsible for trophic ecology of decapods.

Project Title: Ricostituzione delle risorse di pesca in un'area precedentemente soggetta ad intenso sfruttamento: dinamiche a larga scala del popolamento ittico e della struttura trofica della comunita' marina (*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)

Duration: from 1.12.2004 to 31.12.2006

Scientist in charge: Dr. Fabio Badalamenti, IAMC-CNR Lab. Marine Ecology of Castellammare del Golfo (TP, Italy)

Personal Role: Participant and responsible for suprabenthos sampling and analysis

Project Title: 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

Scientist in charge: Dr. Fabio Badalamenti-IAMC-CNR Lab. Marine Ecology of Castellammare del Golfo (TP, Italy)

Personal Role: Participant and responsible for suprabenthos sampling and analysis

Project Title: Assessment of *Posidonia oceanica* meadows, of fish fauna associated and their trophic relationships.

Funded by: Special Funds of European Community (FESR-POR) for Regional Development, Operative Program of Sicilian Region

Duration from 2nd January 2007 to 31st December 2007

Scientist in charge: Dr. Fabio Badalamenti, Dr. Michele Gristina- IAMC-CNR Lab. Marine Ecology of Castellammare del Golfo (TP, Italy)

Personal Role: Participant and responsible for fish fauna sampling and analysis

Project Title: BIOMARE (Identification of Biomarkers of the anthropogenic impact on Marine communities: an Ecosystemic approach)

Funded by Spanish Ministry of Science and Technology

Duration from 1st January 2007 to 31st December 2009

Scientist in charge: Dr. J.E. Cartes ICM-CSIC Barcelona (Spain)

Personal Role: Participant and responsible for stable isotope analysis and trophic ecology

Project Title: 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

Duration from 1st January 2010 to 31st December 2012 (extended to 31st Dec, 2013)

Scientist in charge: Dr. J.E. Cartes ICM-CSIC Barcelona (Spain)

Personal Role: Participant and responsible for stable isotope analysis and trophic ecology

Project Title: RITMARE (WP1-AZ2, Trophic webs)

Funded by Italian Ministry of University and Research

Duration from 1st January 2013 to 31st December 2015

Scientist in charge of WP1-AZ2: Dr. F. Badalamenti (IAMC-CNR), Italy

Personal Role: Participant and responsible for stable isotope analysis and trophic ecology

Project Title: FISHAUT (TNA FixO3)
Funded by EU FP7
Duration from 21st May 2015 to 20th May 2016
Scientist in charge: Dr. E. Fanelli (ENEA), Italy
<http://www.upc.edu/cdsarti/OBSEA/fixo3/fishaut.php>

Project Title: RITMARE-Marine Litter
Funded by MIUR
Duration from April 2016 to December 2016
Scientist in charge: Dr. M. Sprovieri, Responsible of ENEA activities: E. Fanelli

Project Title: IDEM
Funded by DG-Environment
Duration from April 2017 to March 2019
Scientist in charge: Prof. R. Danovaro, Responsible of ENEA activities: E. Fanelli

Project Title: ADVANCE (TNA Jerico-Next)
Funded by EU FP7
To be started in February 2018 for one year
Co-PIs: Prof. E. Fanelli (UNIVPM) and Dr. S. Marini (ISMAR-CNR)
<http://www.jerico-ri.eu/tna/selected-projects/second-call/advance/>

Project Title: BlueBioTech
Funded by CARIVERONA
Duration from June 2018 to May 2020
Scientist in charge: Prof. C. Corinaldesi (UNIVPM)
Personal Role: Participant, Responsible of macrofaunal analyses

Project Title: PLACE
Funded by PON (FESR)
Duration from June 2018 to January 2021
Scientist in charge: Prof. A. Dell'Anno (UNIVPM)
Personal Role: Participant, Responsible of OR5 activities

TEACHING EXPERIENCE

- A.A. 2018-2019:** Teacher of “Marine Biology and Ecology” for MSc Degree in Marine Biology, Polytechnic University of Marche;
- A.A. 2017-2018:** Teacher of “Fishery Biology” for MSc Degree in Marine Biology, Polytechnic University of Marche;
- Since 2017:** Teacher of “Ecology” for 1° level Degree in Biological Sciences, Polytechnic University of Marche;
- Since 2017:** supervisor of students for BSc and MSc 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° level degree in marine Biology) at the Polytechnic University of Marche, responsible Prof. R. Danovaro;
- 2016:** supervisor of students for BSc and MSc 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 Padova.
- 2007:** Lecturer University of Trapani (IT) “The impact of trawling on benthic communities”;
- 2007:** Lecturer University of Palermo (IT) “Adaptations of marine organisms to deep-sea conditions”;
- 2006:** Lecturer University of Palermo (IT) “Life in the deep-sea”;
- 2005:** Lecturer University of Trapani (IT) “Benthic communities of the Mediterranean sea”.

PUBLICATIONS IN PEER-REVIEWED JOURNALS (WITH REPORTED IMPACT FACTOR, IF)

In revision/submitted

- Danovaro R., **Fanelli E.**, Aguzzi J. et al. Ecological indicators for a global deep-ocean monitoring and conservation strategy. *Nature Ecology and Evolution (major revisions)* *first three authors with equal contribution
- Rountree R.A., Aguzzi J., Marini S., **Fanelli E.**, De Leo F.C., Juanes F., Del Rio J. Towards an optimal design for ecosystem-level ocean observatories. *Oceanography and Marine Biology: an Annual Review (submitted)*
- Danovaro R.*, **Fanelli E.*** et al. Towards a marine strategy for the deep Mediterranean Sea. *Marine Policy (submitted)* *first two authors with equal contribution

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). The shifting distribution of Mediterranean fishes: a regional assessment based on Local Ecological Knowledge. *Global Change Biology in press*
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
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**

2016

50. Romano C., **Fanelli E.**, Badalamenti F., D'Anna G., Pipitone C., Vizzini S., Mazzola A. Spatial variability of soft-bottom macrobenthic communities of Northern Sicily (Western Mediterranean): contrasting trawled vs. untrawled areas. *Marine Environmental Research* 122: 113–125 **IF 2015: 2.769**
49. Rumolo P., Bonanno A., Barra M., **Fanelli E.**, Calabrò M., et al. (2016) Spatial variations in feeding habits and trophic levels of two small pelagic fish species in the central Mediterranean Sea. *Marine Environmental Research* 115: 65-67. **IF 2015: 2.769**
48. **Fanelli E.**, Cartes J.E., Papiol V., López-Pérez C., Carrassón M. (2016) Long-term decline in the trophic level of megafauna in the deep Mediterranean Sea: a stable isotopes approach. *Climate Research* 67: 191–207. **IF 2015: 2.496**
47. Azzurro E., Franzitta G., Milazzo M., Bariche M., **Fanelli E.** (2016) Abundance patterns at the invasion front: the case of *Siganus luridus* in Linosa (Strait of Sicily, Central Mediterranean Sea). *Marine and Freshwater Research* 68: 697-702 <http://dx.doi.org/10.1071/MF16024>. **IF 2015: 1.583**

2015

46. **Fanelli E.**, Azzurro E., Bariche M., Cartes J.E., Maynou F. (2015) Widening out native food webs: A stable isotopes study after Lessepsian fish invasion. *Biological Invasions* 17(7): 2163-2178 doi:10.1007/s10530-015-0868-5 **IF=2.72**
45. Rumolo P., Cartes J.E., **Fanelli E.**, Mirto S., Papiol V., Gherardi S., Sprovieri M. (2015) Dynamics of particulate matter reaching the seafloor over shelf and slope off the coasts of Catalonia (northwestern Mediterranean) based on stable isotope results. *Journal of Oceanography* 71: 325-343 DOI: 10.1007/s10872-015-0291-7 **IF=1.7**
44. Bayhan K.Y., Cartes J.E., **Fanelli E.** (2014). Biological condition and trophic ecology of the deep-water shrimp *Aristaeomorpha foliacea* in the Levantine Sea (SW Turkey). *Mediterranean Marine Science* 16/1: 103-116 [doi: 10.12681/mms.867](https://doi.org/10.12681/mms.867) **IF 2013: 1.734**
43. Cartes J.E., Maynou F., **Fanelli E.**, Papiol V., Lopez-Perez C., Mamouridis V. (2015) Changes in deep-sea fish and crustacean communities at 1000-2200 m in the Western Mediterranean after 25 years: relation to hydro-climatic conditions (2014). *Journal of Marine Systems* 143: 138-153 [doi:10.1016/j.jmarsys.2014.10.015](https://doi.org/10.1016/j.jmarsys.2014.10.015) **IF 2013=2.476**

2014

42. Bozzano R., **Fanelli E.**, Pensieri S., Picco P., Schiano M.E. (2014). Temporal variations in zooplankton biomass in the Ligurian Sea inferred from long time series of ADCP data. *Ocean Science* 10: 93-105. **IF 2013=2.164**
41. Cartes J.E., **Fanelli E.**, Kaporis K., Bayhan Y.K., Ligas A., López-Pérez C., Murenu M., Papiol V., Rumolo P., Scarcella G. (2014). Spatial variability in the trophic ecology and biology of the deep-sea shrimp *Aristaeomorpha foliacea* in the Mediterranean Sea. *Deep-sea Research I* 87: 1-13. **IF 2013=2.82**
40. **Fanelli E.**, Cartes J.E., Papiol V., Rodriguez-Romeu O. (2014). Trophic ecology of the lanternfish *Lampanyctus crocodilus* in NW Mediterranean in relation to reproductive cycle and environmental variables. *J. Fish Biology* 84: 1654–1688. **IF 2013=1.734**
39. Papiol V., Cartes J.E., **Fanelli E.** (2014). Regulation of the reproductive cycles of benthopelagic fish on northwest Mediterranean continental slopes by food availability and prey partitioning among species. *Limnology & Oceanography* 59(5): 1779–1794. **IF 2013=3.545**

2013

38. Cartes J.E., **Fanelli E.**, Lopez-Perez C., Lebrato M. (2013). The distribution of deep-sea macroplankton (over 400 to 2300 m) at intermediate and near bottom waters: relationships with hydrographic factors. *Journal of Marine System* 113-114: 75-87. **IF 2012: 2.66**
37. Cartes J.E., **Fanelli E.**, Matallanas J., Lloris D. (2013) Effects of environmental variables on sharks and other top predators in the deep Mediterranean Sea over the last 60 years. *Climate Research* 55: 239-251. **IF 2013: 2.68**
36. Papiol V., Cartes J.E., **Fanelli E.**, Rumolo P. (2013) Food web structure and trophodynamics of megafauna off the Catalan sea slope (Western Mediterranean). *Journal of Sea Research* 77: 53-69. **IF 2013: 2.598**
35. **Fanelli E.**, Cartes J.E., Papiol V., López-Pérez C. (2013) Environmental drivers of megafaunal assemblage composition and biomass distribution over mainland and insular slopes of the Balearic Basin (Western Mediterranean). *Deep-sea Research I* 78: 79-94. **IF 2013=2.82**
34. **Fanelli E.**, Papiol V., Cartes J.E., López-Pérez C., Rumolo P. Trophic webs of deep-sea megafauna on mainland and insular slopes of the NW Mediterranean: a comparison by stable isotope analysis. *Marine Ecology Progress Series* 490:199-221. **IF 2013=2.55**
33. Azzurro E., La Mesa G., **Fanelli E.** The rocky-reef fish assemblages of Malta and Lampedusa islands (Sicily strait, Mediterranean Sea): A visual census study in a changing biogeographic sector. *J. Mar. Biol. Ass. UK* 93(8): 2015-2026. **IF 2013=1.02**

2012

32. Papiol V, Cartes J.E., **Fanelli E.**, Maynou, F. (2012) Influence of environmental variables on the spatio-temporal dynamics of benthic-pelagic assemblages in the middle slope of the Balearic Basin (NW Mediterranean). *Deep Sea Research I* 61:84-99 **IF 2012=2.421**
31. Guijarro B., **Fanelli E.**, Moranta J., Cartes J.E., Massutí E. (2012). Short-scale differences in the distribution and population dynamics of pandalid shrimps in the western Mediterranean: influence of environmental factors. *Fisheries Research* 119-120: 33-47 **IF 2012=1.586**
30. **Fanelli E.**, Cartes J.E. Papiol V. (2012) Assemblage structure and trophic ecology of deep-sea demersal cephalopods in the Balearic basin (NW Mediterranean). *Marine and Freshwater Research* 63(3) 264-274. **IF 2012: 1.982**
29. Sinopoli M., **Fanelli E.**, D'Anna G., Badalamenti F., Pipitone C. (2012) Assessing the effects of a trawling ban on diet and trophic level of hake, *Merluccius merluccius*, in the southern Tyrrhenian Sea. *Scientia marina* 76(4): 677-690 **IF 2012: 1.0**

2011

28. Cartes J.E., Maynou F., **Fanelli E.** (2011). Nile damming as cause of extinction and drop in abundance of deep-sea species over broad spatial scales. *Progress in Oceanography* 91(3), 286-294. **IF 2010=3.582**
27. Cartes J.E., Mamouridis V., **Fanelli E.** (2011). Deep-sea suprabenthos assemblages (Crustacea) off the Balearic Islands (western Mediterranean): mesoscale variability in diversity and production. *Journal of Sea Research* 65: 340-354. **IF 2010=2.598**
26. **Fanelli E.**, Cartes J.E., Papiol V. (2011) Trophodynamics of zooplankton fauna on the Catalan slope (NW Mediterranean): insight from $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ analysis. *Journal of Marine Systems* 87: 79-89. **IF 2010=2.238**
25. Mamouridis V., Cartes J.E., Parra S., **Fanelli E.**, Saiz Salinas J.I. (2011). A first temporal analysis on the dynamics of deep-sea macrofauna: influence of environmental variability off Catalonia coasts (western Mediterranean). *Deep-sea Research I* 58: 323-337. **IF 2010=2.593**
24. **Fanelli E.**, Badalamenti F., D'Anna G., Pipitone C., Riginella E., Azzurro E. (2011). Food partitioning and diet temporal variation by two coexisting sparids, *Pagellus erythrinus* and *P.*

acarne, in the Gulf of Castellammare (Mediterranean Sea). *Journal of Fish Biology* 78: 869–900. **IF 2009= 1.63**

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Mediterranean) between 400 and 2300 m: Environmental gradients influencing assemblages composition and biomass trends. *Journal of Sea Research* 61(4), 244-257 **IF 2008 = 2.065**

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- **Fanelli E.**, Alonso-Hernandez C. et al. Source of sea bottom organic matter in the Gulf of Batabanó (Cuba): a stable isotope approach. *Estuarine Coastal and Shelf Research*
- Aguzzi J., Flexas M., Flögel S., Thomsen L., Lo Jacono C., **Fanelli E.**, Bahamon N., Danovaro R., Tangherlini M. Exo-oceans exploration with deep-sea sensor and platform technologies. *Astrobiology*

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1. **Fanelli E.**, J. Aguzzi , J. Craig , T. Ciuffardi , G. Riccobene , S. Viola and A. Capone. Inertial bioluminescence rhythms at the central Mediterranean KM3NET deep-sea Neutrino Telescope. *Rapp. Comm. int. Mer Médit.*, 41, 2016; http://ciesm.org/online/archives/abstracts/pdf/41/CIESM_Congress_2016_Kiel_article_0464.pdf;
2. **Fanelli E.**, P. Rumolo , M. Barra , G. Basilone , S. Genovese and A. Bonanno. Trophic ecology of the Mediterranean hake *Merluccius merluccius* in the Sicily strait. *Rapp. Comm. int. Mer Médit.*, 41, 2016; http://ciesm.org/online/archives/abstracts/pdf/41/CIESM_Congress_2016_Kiel_article_0400.pdf
3. Morroni L., D. Sartori, S. Macchia, S. Giuliani, I. Buttino, A. Scuderi, A. La Camera, J. Langeneck, **E. Fanelli**, E. Azzurro, D. Pellegrini. Environmental risk assessment of wasted catalyser form Eurocargo Venezia Ship incident: a multidisciplinary approach. *Rapp. Comm. int. Mer Médit.*, 41, 2016; http://ciesm.org/online/archives/abstracts/pdf/41/CIESM_Congress_2016_Kiel_article_0201.pdf
4. **Fanelli E.** Invasioni biologiche nel Mediterraneo: È possibile trasformare un problema in un'opportunità? *Rivista ENEA* DOI 10.12910/EAI2016-005
5. Piangiamore G., **Fanelli E.**, et al. (2016) MATER - Pianeta Terra-Mare: an interactive and multidisciplinary approach to Geosphere sciences.). *Geophysical Research Abstracts* Vol. 18, EGU2016-10298. Session EOS5 Geothics EGU General Assembly 2016.
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11. **Fanelli E.**, Azzurro E., Bariche M., Maynou F., Romeo T., Battaglia P., Andaloro F. (2014). Preliminary data on the isotopic composition of native and Lessepsian species. *Biologia Marina Mediterranea* 21: 115-116
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18. Azzurro E., Matiddi M., **Fanelli E.**, Scarpato A. (2007). Effects of sewage discharges on coastal fish assemblages in Malta (Sicily strait, Mediterranean Sea). *Rapp. Comm. Int. Mer Méditerranée* 38: 424 (<http://www.ciesm.org/online/archives/abstracts/index.htm> Search “Fanelli”)
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24. **Fanelli E.**, Nicoletti L., Franceschini G., Giovanardi O., Gabellini M., Preti M. Environmental impact assessment after sand extraction: a methodological approach. *Proceedings of MEDCOAST03* Ravenna, 7-11 October 2003.
25. Nicoletti L., **Fanelli E.**, Lattanzi L., Lavalle P., Gabellini M., Chimenz Gusso C. 2003. Contribution to the knowledge of coastal detritic bottoms off Anzio (central Tyrrhenian sea). *Biol. Mar. Medit* 10(2): 589-592.
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BOOKS

- “Il mare” in “La sostenibilità ambientale: un manuale per prendere buone decisioni”. Ed. Gaetano Borrelli. ISBN 978-88-8286-313-5
- “Occhi di mare” Un viaggio nella biologia marina per i più piccoli. An illustrated book on marine biology for children. Authors E. Fanelli and E. Azzurro, illustrations by M. troise and E. Azzurro. ENEA Edition

TECHNICAL BOOKS/GUIDELINES

- “Quality of Italian marine-coastal environments – 1996/1999. Preliminary assessment of the monitoring program carried out in agreement with Italian coastal Countries. *Italian Ministry of Environment – Service for Sea Defense/ICRAM*. (<http://www.icram.org/pubblicazioni.htm>).
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- Valutazione di impatto ambientale dopo l’estrazione di sabbia al largo della costa dell’Emilia-Romagna a scopo di rinascimento del litorale (2004). In *Pesca e ambiente in Laguna di Venezia e nell’alto Adriatico. Quaderni ICRAM no. 2 Giovanardi O. & Cornello M. Eds.*: 99-105. (<http://www.icram.org/pubblicazioni.htm>)

SYMPOSIUMS & CONFERENCES

1. EU seafloor and water column observatories challenges and opportunities towards integration EMSO ERIC All Regions Workshop, Rome, Italy, 9-11 October 2017. Aguzzi J., L. Thomsen, R. Danovaro, E. Fanelli, S. Marini, F. De Leo, K.S. Juniper, J. Del Río, J.B. Company, D. Withmore, C. Costa. Cabled observatory networks for the monitoring of ecosystem functioning and services, poster presentation.
2. IMEKO International Conference on metrology for the sea, Naples, Italy, 1-13 October 2017. S. Marini, L. Corgnati, C. Mantovani, M. Bastianini, E. Ottaviani, **E. Fanelli**, J. Aguzzi, A. Griffa, P.-M. Poulain. An Autonomous Imaging System for Argo Floats, oral presentation; **Fanelli E.**, Sbragaglia V., Azzurro E., Marini S., Del Rio J., Toma D., Aguzzi J. Seasonal changes in coastal fish assemblages by multiparametric video-observatory monitoring, oral presentation.
3. 7th MARTECH International Workshop On Marine Technology, Barcelona, October 26-28 2016. Marini S., Azzurro E., Coco S., Del Rio J., Enguidanos S., **Fanelli E.**, Nogueras M., Sbragaglia V., Toma D., Aguzzi J. Automatic fish counting from underwater video-images: performance and estimation; Coco S., Sbragaglia V., **Fanelli E.**, Marini S., Azzurro E., Enguidanos S., Del Rio J., Nogueras M., Toma D., Ponti M., Aguzzi J. Video Monitoring of Sparidae temporal rhythms: Thre-year study by OBSEA cabled observatory.
4. 41th CIESM Congress, Kiel 12-16 September 2016. **Fanelli E.**, J. Aguzzi, J. Craig, T. Ciuffardi, G. Riccobene, S. Viola and A. Capone. Inertial bioluminescence rhythms at the central Mediterranean KM3NET deep-sea Neutrino Telescope; **Fanelli E.**, P. Rumolo, M. Barra, G. Basilone, S. Genovese and A. Bonanno. Trophic ecology of the Mediterranean hake *Merluccius merluccius* in the Sicily strait; Morroni L., D. Sartori, S. Macchia, S. Giuliani, I. Buttino, A. Scuderi, A. La Camera, J. Langeneck, **E. Fanelli**, E. Azzurro, D. Pellegrini. Environmental risk assessment of wasted catalyser form Eurocargo Venezia Ship incident: a multidisciplinary approach.

5. FAO Workshop on Deep-sea fisheries and Vulnerable Marine Ecosystems, Rome 18-20 July 2016. Invited speaker: **Fanelli E.** "Key species and benthic habitats of the deep Mediterranean Sea threatened by human impacts."
6. EGU2016 Wien April 2016. Piangiamore G., **Fanelli E.**, Furia S. et al. (2016) MATER - Pianeta Terra-Mare: an interactive and multidisciplinary approach to Geosphere sciences. EGU2016-10298. Session EOS5 Geoethics
7. 14th Deep Sea Biology Symposium, Aveiro Portugal 31 August – 4 September 2015. Papiol V., **Fanelli E.**, Cartes J.E., López-Pérez C., Rumolo P. Effect of lipid extraction on the isotopic composition in deep-sea megafauna tissues (poster); **Fanelli E.**, Cartes J.E., Papiol V., López-Pérez C., Carrassón M. Long-term decline in the trophic level of megafauna in the deep Mediterranean Sea: a stable isotopes approach (poster).
8. ASC 2014 - Sustainability in a changing ocean ICES Annual Science Conference 15-19 September 2014. Rumolo P., Basilone G., **Fanelli E.**, Barra M., Calabrò M., Genovese S., Gherardi S., De Luca B., Bonanno A. "Variation in feeding ecology of small pelagic fish (*Trachurus trachurus*, *Sardina pilchardus* and *Engraulis encrasicolus*) in the western basin and in the central Mediterranean sea using stable isotope analysis".
9. Workshop in Biostatistics of Young Researchers, 11th June 2014, Santiago de Compostela (Spain). Mamouridis V., Cartes J.E., **Fanelli E.** "Multivariate techniques in ecology: the infauna associated to a CWC habitat (facies of *Isidella elongata*), influences of fishing activity and natural variability". Oral presentation. Mamouridis V., Dick Van Oevelen D., Soetaert K., Maynou F., **Fanelli E.**, Cartes J.E. "Effects of deep-sea fisheries on the dynamics of bathyal food webs (NW Mediterranean)". Oral presentation.
10. SIBM 2014, Venice 19-24 May (Italy) **Fanelli E.**, Azzurro E., Battaglia P., Romeo T., Bariche M., Maynou F., Andaloro F. "Preliminary data on the isotopic composition of native and Lessepsian pelagic species". Poster.
11. International Conference "Ecosystem Approach to Fisheries in the Mediterranean and Black Seas" Barcelona, Spain, 9 – 10 April 2014. Invited speaker "Effects of trawl-fishing on hyperbenthic and benthic communities in Northern Sicily (W Mediterranean) and implications for the diet of demersal predators" by **Fanelli E.**, Romano C., Badalamenti F. et al.
12. EGU 2014, Wien (Austria) Delbono I., Ivaldi R., Pratellesi M., **Fanelli E.**, Peirano A., Cocito S., Dialti L., Delfanti R. "Seafloor morphology: nature of the seabed and the cold water corals of the Levante Canyon (eastern Ligurian Sea, NW Mediterranean)" Poster.
13. ASLO 2014, Hawaii (USA) Aguzzi J., **Fanelli E.**, Thomsen L., Mertedith P., Favali P. "The cabled observatory as an advanced tool for long-term study of benthic Communities" Poster.
14. EMSO 2013 (European Multidisciplinary Seafloor and Water-column Observatories) workshop. 12-15 November 2013, Rome (Italy). **Fanelli E.**, Ciuffardi T., Marini S., Cocito S., Delfanti R., Griffa A., Peirano A., Picco P., Vetrano A., Aguzzi J., Stroobant M., Beranzoli L., Carmisciano C., Favali P. "The Italian contribution to the EMSO Ligurian Sea node" Poster.
15. 40th CIESM congress, 28-1 November 2013, Marseille (France). 3 posters. **Fanelli E.**, Azzurro E., Bariche M., Maynou F. "A new food web in the eastern Mediterranean after Lessepsian fish invasion"; Azzurro E., Soto S., Bariche M., **Fanelli E.**, Maynou F. "Exotic fish species in the Mediterranean sea: Analysis of occurrence records"; T. Ciuffardi, S. Pensieri, P. Picco, E. Schiano, **E. Fanelli** and R. Bozzano "From spectral analysis to modelling of zooplankton migration patterns".
16. 10th AIG Applied Isotope Geochemistry Conference, 22-27 September 2013, Budapest (H). Poster: Rumolo P., Basilone G., **Fanelli E.**, Barra M., Calabrò M., Genovese S., Gherardi S., De Luca B., Bonanno A. Geographical variation in feeding ecology of *Trachurus trachurus* in the western basin and in the central Mediterranean sea using stable isotope analysis.

17. Deep-sea Fish Biology Symposium, 8-11 July 2013, Glasgow (UK). 2 oral presentations: **Fanelli E.**, Papiol, V., Cartes, J.E, Rodriguez-Romeu O. “Trophic ecology of the lanternfish *Lampanyctus crocodilus* in NW Mediterranean in relation to reproductive cycle and environmental variables”; Papiol, V., Cartes, J.E., **Fanelli E.**, López.Pérez C. “Regulation of the reproductive cycles of benthopelagic fish on northwest Mediterranean continental slopes by food availability”.
18. 8TH ISOECOL CONFERENCE; INTERNATIONAL CONFERENCE ON APPLICATIONS OF STABLE ISOTOPE TECHNIQUES TO ECOLOGICAL STUDIES. AUGUST 20-24 2012, BREST (FRANCE). 2 Posters: **Fanelli E.**, Papiol, V., Cartes, J.E, Rumolo P. “Trophic webs of deep-sea megafauna: comparison by stable isotope analysis of mainland and insular slopes of the NW Mediterranean”; Papiol, V., Cartes, J.E., **Fanelli E.** Trophic web structure and seasonality of slope megafauna of the NW Mediterranean; relationship with available food sources.
19. 6TH WORLD FISHERIES CONGRESS. 07-11/05/2012. EDIMBURGH (SCOTLAND). Mamouridis V., Maynou, F., Van Oevelen, D., Soetaert, K., Cartes, J. E., **Fanelli E.**, Papiol, V. Deep sea food web modeling in a soft-bottom continental slope ecosystem (NW Mediterranean). Oral presentation.
20. 9th International Congress on the Biology of Fish. 5-9 Julio de 2010, Barcelona (Spain). 1 poster: Cartes, J.E., Maynou F., **Fanelli E.**, Lloris D., Matallanas J., Carrasson M. “Long-term changes in the composition of deep-sea fish assemblages in the Balearic Basin: influence of natural variability and human impact”.
21. 12TH DEEP-SEA BIOLOGY SYMPOSIUM, 2010 JUNE 7-11 REJKYAVIK (ICELAND). 1 Oral Communication **Fanelli E.**, Cartes J.E., Papiol V. “Trophodynamics of deep-sea macrozooplankton and micronekton off the Catalan slope: insight from stable isotopes”. 2 Posters as co-author, 1 oral communication as co-author. Co-chair of a session.
22. 39th CIESM, Venice, 2010 May 11-14 (Italy). 1 Oral Communication **Fanelli E.**, Cartes J.E., Papiol V., Rumolo P., Sprovieri M. “Food web structure of deep-sea communities in the Balearic Basin: evidence from $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ analysis.”
23. XVIII SITE. Parma. 1-3 September 2008. 1 Poster: **Fanelli E.**, Cartes JE, Papiol V., Rumolo P., Sprovieri M. “Food web structure of bathyal communities of the Catalan Sea (Western Mediterranean) based on stable isotopes of carbon and nitrogen.”
24. XIV Simposio Ibérico de Estudios de Biología Marina Symposium. Madeira (Portugal) 24-28 Settembre 2008. 1 Poster as first author: **Fanelli E.**, Cartes J.E., Papiol V. "Temporal changes in the trophic level of dominant mesopelagic-suprabenthic deep sea macrofauna in the Western Mediterranean and relationships with secondary production". Two posters as second author.
25. Symposium on Marine Protected Areas. Murcia (Spain) 9-13 September 2007. 1 Poster: **Fanelli E.**, Romano C., Badalamenti F., D’Anna G., Pipitone C. “Trophodynamic effects of a trawling ban on the feeding ecology of pandora, *Pagellus erythrinus* in northern Sicily (Mediterranean Sea)”
26. SITE-AIOL. Ancona. 17-20 September 2007. 1 Oral Presentation: **Fanelli E.**, Cartes JE “Trophodynamics of bathyal Benthic Boundary Layer community off the Archipelago of Cabrera (Western Mediterranean)
27. ECI XII Cavtat, Croazia 9-13 September 2007. 1 Poster: **Fanelli E.**, Cartes JE “Temporal changes in feeding habits and trophic level of *Hoplostethus mediterraneus* in the Balearic basin (Cabrera archipelago-W Mediterranean)”
28. 38th CIESM, Istanbul, 2007.04.9-13 (Turkey). 1 Oral Communication “**Fanelli E.**, Cartes JE - Trophic relationships of two macrourids from the Balearic basin (western Mediterranean): temporal changes in diets and in trophic levels” and 1Poster: “Azzurro E., Matiddi M., **Fanelli E.**, Scarpato A. – Effects of sewage discharges on coastal fish assemblages in Malta (Sicily Strait, Mediterranean Sea)

29. XVI S.It.E., Viterbo, 2006.09.19-22 (Italy). 1 Oral Communication: “**Fanelli E.**, Cartes J.E., Rumolo P. - Spatio-temporal variability in the diet of pandalid shrimps off the Balearic islands (Western Mediterranean) by stomach contents and stable isotopes analyses” and 2 posters: “ **Fanelli E.**, Riginella E., Romano C., Badalamenti F., D’Anna G., Pipitone C. - Spatial changes in the diet of red Pandora *Pagellus erythrinus* (L. 1758) in four areas of Northern Sicily with different fishery pressure”; “Sinopoli M., Lauria V., Badalamenti F., D’Anna G., Di Stefano G., **Fanelli E.**, Giacalone M.V., Pipitone C. - Studio delle abitudini alimentari del nasello, *Merluccius merluccius* in tre aree della Sicilia Settentrionale sottoposte a diverso regime di pesca
30. 11th International Deep-sea Biology Symposium, NOC Southampton (UK) 2006.07.9-14 (UK). 3 Posters: “**Fanelli E.**, Cartes J.E. - Spatio-temporal variability in the diet of *Plesionika martia* in the Western Mediterranean: evidence from stomach contents and stable isotopes analyses.”; “Cartes J.E., Madurell T., **Fanelli E.**, Lopez-Jurado J.L., Massuti E. - Composition and dynamics of suprabenthos communities around the Balearic island (Western Mediterranean)”; “Madurell T., Cartes J.E., **Fanelli E.**, Billet D.S.M. - First results and perspectives of trophodynamics for bathyal suprabenthos from the Catalano-Balearic basin: stable isotopy, secondary production and biomarkers”.
31. 39th EMBS, Genoa, 2004.07.21-24 (Italy). 2 Posters: “**Fanelli E.**, Rey J., Torres P, Gil de Sola L. - Feeding habits of deep sea sharks, *Galeus melastomus* and *Etmopterus spinax* in Western Mediterranean” and “Azzurro E., **Fanelli E.**, Giaccone G., Andaloro F. - Preliminary data on feeding habits of dusky spinefoot *Siganus luridus* in the Sicily channel (central Mediterranean)”.
32. 37th CIESM, Barcelona, June 2004 (Spain). 1 Oral Communication: “**Fanelli E.**, Azzurro E. - Notes on the biology of *Percnon gibbesi* (Brachyura, Grapsidae) in the central Mediterranean sea”.
33. MEDCOAST03, Ravenna, 2003.10.7-11 (Italy). 1 Oral Communication: “**Fanelli E.**, Nicoletti L., Franceschini G., Giovanardi O., Gabellini M., Preti M. - Environmental impact assessment after sand extraction: a methodological approach”.
34. 7th EEA (European Elasmobranch Association conference), Cattolica, 2003.09.26-28 (Italy). 1 Poster: “Rey J, Scacco U., **Fanelli E.** - Results on condition and depth distribution of Blackmouth shark *Galeus melastomus* in western and central Mediterranean”.
35. 34th S.I.B.M (Italian Marine Biological Society) Sousse, 2003.06.1-7 (Tunisia). 3 Posters: “**Fanelli E.**, Lattanzi L., Gabellini M. - Dati preliminari sulla carcinofauna del Mar Tirreno centrale”; “ **Fanelli E.**, Colloca F., Carpentieri P., Belluscio A., Ardizzone G.D. - Struttura della comunità di crostacei decapodi nel Mar Tirreno Centrale”; “**Fanelli E.**, Franceschini G., Giovanardi O., Gabellini M. – Fauna demersale e megabentonica di un’area al largo di Ravenna (Adriatico settentrionale)”.
36. 8th CCCM (Colloquium on Crustacea Decapoda Mediterranea) Corfù, 2002.09.2-6 (Greece). 2 Posters: “ **Fanelli E.**, Lattanzi L., Nicoletti L., Gabellini M. – A preliminary report on the decapod crustaceans in two areas of central Mediterranean Sea (Tyrrhenian sea)” and “**Fanelli E.**, Belluscio A., Ardizzone G.D. – Some aspects of the biology of pandalid shrimps of *Plesionika* genus (Bate, 1888) in the central Tyrrhenian sea (Mediterranean sea)”.
37. 33rd S.I.B.M Castelsardo, 2002.06.3-8 (Italy). 2 Posters: “Alcuni aspetti della biologia riproduttiva dei pandalidi del genere *Plesionika* (Bate, 1888) nel Mar Tirreno centrale” and “Nicoletti L., **Fanelli E.**, Lattanzi L., Lavallo P., Gabellini M., Chimenz Gusso C. - Contributo alla conoscenza dei fondi detritici costieri al largo di Anzio (Tirreno centrale)”.
38. 31st S.I.B.M, Sharm-el-sheik, May 2000 (Egypt). 1 Poster: “**Fanelli E.**, Carpentieri P., Colloca F., Belluscio A., Ardizzone G.D. - Distribuzione e abbondanza dei pandalidi del genere *Plesionika* (Bate, 1888) nel Mar Tirreno centrale”.

FIELDWORK EXPERIENCE

Dr. Fanelli participated to several scientific surveys in the Mediterranean:

- Balearic basin (projects IDEA, BIOMARE, ANTRMARE from August 2003 to September 2011)
 - Alboran Sea (project MEDITS-ES, in May 2003)
 - Central Tyrrhenian Sea (projects GRUND and MEDITS-IT from 1996 to 2001; different projects ICRAM from 2001 to 2002)
 - Southern Tyrrhenian Sea (project MIUR and MIPAF, from November 2004 to June 2005);
 - Eastern Ligurian Sea (cold water corals, October-November 2013, June 2014);
- and Atlantic Sea
- ECOPREST and DEMERSALES, in March and September 2004

Dr. Fanelli has strong skills in the identification of megafauna from trawl fishing (decapods, fish, cephalopods and large invertebrates) and macrofauna (benthos collected during trawling). She is an expert in the collection and identification of suprabenthos and zooplankton by suprabenthic sledges (Macer-GIROQ) and WP2 plankton nets. During ECOPREST and DEMERSALES surveys she collaborated with the Trophic Relationship group (TR) of the IEO of Santander (Spain) in the identification of stomach contents of target fish species, identifying stomach contents of more than 20 different species, including sharks and rays. During MEDITS-ES survey she collaborated with Dr. J. Rey in the identification of stomach contents of *Galeus melastomus* and *G. atlanticus*.

LABORATORY EXPERIENCE

- Dissection of fish, decapods and cephalopods for stomach contents analysis;
- Stomach contents analysis of all megafaunal groups from coastal and deep sea soft-bottom environments (see publications);
- Sorting and identification of suprabenthos-zooplankton samples and of benthic crustaceans (Dr. Fanelli is a taxonomist of peracarid, decapod and euphausiid crustaceans);
- Preparation of samples for Stable isotope analysis and HPLC;
- Stable isotope analysis and HPLC.

LANGUAGES

Mother tongue Italian

Other languages	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); the course was taught 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); the course was taught 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”, given 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. Prof. Podani Janos de la Eotvos University of Budapest Department of Plant Taxonomy and Ecology. University of Viterbo “la Tuscia” Department DECOS, 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 **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 by herself for personal reasons (http://www.urp.cnr.it/copertine/formazione/form_concorsi/concorsi2009/364-100grad_E2_Ambiente_Idoneo.pdf).
- Since **2014** she has the qualification of **Associate professor** (“Professore associato II fascia”) <https://abilitazione.cineca.it/ministero.php/public/esitoAbilitati/settore/05%252FC1/fascia/2>, in Ecology (05/C1) according to the ASN (Abilitazione Scientifica Nazionale=National Scientific Qualification; expires 31.01.2020)
- **2016-18**: Member of the Board of Examiners for Temporal Researcher Positions at the Zoological Station of Naples (two positions: “deep-sea ecologist” and “expert of ecosystem approach to fisheries”). Member of the Board of Examiners for two Temporal Research contracts (“Assegno di Ricerca”) at ISPRA Sts Livorno.
- **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) and COST actions.
- Reviewer for the following journals:
- *Scientia Marina* (7), *Environmental Biology of Fish* (1), *Marine and Freshwater Research* (2), *Journal of Marine Biological Association UK* (3), *Journal of Marine Systems* (4), *Journal of Sea Research* (4), *Journal of Applied Ichthyology* (1), *Journal of Fish Biology* (4), *Journal of Turkish Zoology* (1), *African Journal of Marine Science* (1), *Biogeochemistry* (1), *Hydrobiologia* (2), *Journal of Experimental Marine Biology and Ecology* (1), *Rapid Communications in Mass Spectrometry* (2), *Water Research* (1), *Marine Ecology Progress Series* (5), *Mediterranean Marine Science* (2), *ICES Journal of Marine Science* (1), *Deep-sea Research I* (7) and *II* (3), *Marine Biology* (1), *Analytical Letters* (1), *Science of Total*

Environment (2); Progress in Oceanography (3); Marine Biology Research (1): Frontiers in Marine Science (2).

- 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 within the framework of the joined congress SITE-AIOL (Italian Society of Ecology-Italian Association of Limnology and Oceanography).
- 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).** With this funding Dr. Fanelli did two stages of two weeks each at ICM-CSIC of Barcelona under the supervision of Dr. Cartes for suprabenthos identification and the estimation of secondary production.
- Member of the Italian Society of Marine Biology.
- 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*).
- 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.

OTHERS

- Dive Master PADI (2000)
- Apnea Academy Second level
- First Rescue Red Cross
- Advanced Scientific English (Euroformac-CSIC)
- Car Driving License (B)
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Ancona, 22.11.2018

