

Prof. Fanelli Emanuela

Docente non Universitario

Esperienze:

- 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.unitus.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: Crustacean of central Tyrrhenian Sea. The genus Plesionika (Bate, 1888) (172 pp in Italian).

Publications in peer reviewed journals

- 01)** Danovaro R., Aguzzi J., Fanelli E., et al. (2017). 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)
- 02)** Rumolo P., Basilone G., Fanelli E., Barra M., Calabò 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
- 03)** Fanelli E., Delbono I., Cocito S., Ivaldi R., Peirano A. (2017). Cold water coral *Madrepora oculata* in the eastern Ligurian Sea (NW Mediterranean): historical banks and recent findings. *Aquatic Conservation: Mar Freshw Ecosyst.* (in press) DOI 10.1002/aqc.2751 IF 2015: 2.415
- 04)** 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* (in press) IF 2015: 5.228
- 05)** 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
- 06)** Rumolo P., Bonanno A., Barra M., Fanelli E., Calabò 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
- 07)** 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
- 08)** 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* <http://dx.doi.org/10.1071/MF16024>. IF 2015: 1.583
- 09)** 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
- 10)** Rumolo P., Cartes J.E., Fanelli E., Mirtò 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
- 11)** 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 IF 2013: 1.734
- 12) 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 IF 2013=2.476
- 13) 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
- 14) Cartes J.E., Fanelli E., Kadiris K., Bayhan Y.K., Ligas A., López-Pérez C., Murenu M., Papiol V., Rumolo P., Scarella 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
- 15) 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
- 16) 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
- 17) 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
- 18) 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
- 19) 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
- 20) 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
- 21) 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
- 22) 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
- 23) Papiol V, Cartes J.E., Fanelli E., Maynou, F. (2012) Influence of environmental variables on the spatio-temporal dynamics of benthopelagic assemblages in the middle slope of the Balearic Basin (NW Mediterranean). Deep Sea Research I 61:84-99 IF 2012=2.421
- 24) Guijarro B., Fanelli E., Moranta J., Cartes J.E., Massutì 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
- 25) Fanelli E., Cartes J.E. Papiol V. (2012) Assemblage structure and trophic ecology of deepsea demersal cephalopods in the Balearic basin (NW Mediterranean). Marine and Freshwater Research 63(3) 264-274. IF 2012: 1.982
- 26) 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
- 27) 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
- 28) 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
- 29) 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
- 30) 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
- 31) 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
- 32) Fanelli E., Papiol V., Cartes J.E., Rumolo P., Brunet C., Sprovieri M. (2011). Food web structure of the megabenthic, invertebrate epifauna on the Catalan slope (NW Mediterranean): evidence from $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ analysis. *Deep-sea Research I* 58: 98-109. IF 2011=2.421
- 33) Fanelli E., Cartes J., Badalamenti F., D'Anna G., Pipitone C., Azzurro E., Rumolo P., Sprovieri M. (2011). Meso-scale spatial variations of coastal suprabenthic communities off Northern Sicily (Central Mediterranean). *Estuarine Coastal and Shelf Science* 91: 351-360. IF 2010= 2.247
- 34) Cartes J.E., Fanelli E., Papiol V., Zucca L. (2010). Distribution and diversity of open-ocean, near-bottom macrozooplankton in the western Mediterranean: analysis at different spatiotemporal scales. *Deep Sea Research I* 57(11): 1485-1498 IF 2010=2.372
- 35) Fanelli E., Papiol V., Cartes J.E., Rumolo P., Sprovieri M. (2010). Effects of preservation on the $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ signatures of deep sea macrofauna. *Journal of Experimental Marine Biology and Ecology* 395: 93-97 IF 2010=2.116
- 36) Cartes J.E., Fanelli E., Papiol V., Maynou F. (2010). Trophic relationships at meso-spatial and seasonal scales of macro and megafauna in a submarine canyon and the adjacent slope off the Catalonian coast (western Mediterranean). *Journal of Sea Research* 63(3-4): 180-190. IF 2008: 2.444
- 37) 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. IF 2010: 2.276
- 38) Fanelli E., Cartes J.E. (2010). Temporal variations in the feeding habits and trophic levels of deep-sea demersal fish from the Western Mediterranean Sea based on stomach contents and stable isotope analyses. *Marine Ecology Progress Series* 402: 213–232. IF 2008: 2.63
- 39) Fanelli E., Badalamenti F., D'Anna G., Pipitone P., Romano C. (2010). Trophodynamic effects of trawling on the feeding ecology of pandora, *Pagellus erythrinus* off the northern Sicily coast (Mediterranean Sea). *Marine and Freshwater Research* 61, 408–417. IF 2008 = 1.5
- 40) Cartes, J.E., Maynou F., Fanelli E., Papiol V., Lloris D. (2009) Long-term changes in the composition and diversity of deep-slope megabenthos and trophic webs off Catalonia (Western Mediterranean): Are trends related to climatic oscillations? *Progress in Oceanography* 82(1): 32-46. IF 2008: 3.166
- 41) Fanelli E., Cartes J.E., Rumolo P., Sprovieri M. (2009) Food web structure and trophodynamics of mesopelagic-suprabenthic deep sea macrofauna of the Algerian basin (Western

- Mediterranean) based on stable isotopes of carbon and nitrogen. Deep Sea Research I, 56: 1504-1520. IF 2008 = 2.593
- 42) Fanelli E., Rey J., Torres P., Gil de Sola L. (2009). Feeding habits of blackmouth catsharks *Galeus melastomus* (Rafinesque, 1810) and velvet lantern belly shark *Etmopterus spinax* (Linnaeus, 1758) in Western Mediterranean. J. Appl. Ichthyol, 25(1): 83-93. IF 2008 = 0.638
- 43) Fanelli E., Badalamenti F., D'Anna G., Pipitone P. (2009). Diet and trophic level of the scaldfish *Arnoglossus laterna* in southern Tyrrhenian Sea (western Mediterranean): contrasting trawled vs. untrawled areas. J. Mar. Biol. Ass. UK, 89(4): 817-828. IF 2008 = 1.056
- 44) Cartes, JE, Maynou F., Fanelli E., Romano C., Mamouridis V., Papiol V. (2009). The distribution of megabenthic, invertebrate epifauna in the Balearic Basin (Western 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
- 45) Fanelli E., Cartes JE, Badalamenti F., Rumolo P., Sprovieri M. (2009). Trophodynamics of suprabenthic fauna on coastal muddy bottoms of southern Tyrrhenian Sea (western Mediterranean). Journal of Sea Research 61(3), 174-187 IF 2008 = 2.065
- 46) Fanelli E., Cartes J.E. (2008). Spatio-temporal variability in the diet of two pandalid shrimps in the western Mediterranean: evidence from gut-contents and stable isotope analysis. Mar. Ecol. Prog. Ser. 355, 219-233. IF 2008: 2.63
- 47) Cartes J.E., Madurell T., Fanelli E., Lopez-Jurado J.L. (2008). Dynamics of suprabenthoszooplankton communities around the Balearic Islands (NW Mediterranean): influence of environmental variables and on the biology of higher trophic levels. J.Mar. Syst. 71, 316- 335. IF 2008 = 2.25
- 48) Madurell T., Fanelli E., Cartes J. E. (2008). Isotopic composition of carbon and nitrogen of suprabenthos fauna in the NW Balearic Islands (western Mediterranean). J. Mar. Syst. 71, 336- 345. IF 2008 = 2.25
- 49) Fanelli E. (2008). Trophic relationships in demersal communities of western Mediterranean: Case studies from coastal and deep-sea ecosystems. Cybium 32(3): 210 IF 2008 = 0.403
- 50) Azzurro E., Fanelli E., Mostarda E., Catra M., Andaloro F. (2007). Resource partitioning among early colonizing *Siganus luridus* and two native herbivorous fishes at Linosa Island. Evidence from gut-content analysis and stable isotope signatures. J. Mar. Biol. Ass. UK, 87: 991-998. IF 2007 = 1.056
- 51) Fanelli E., Colloca F., Ardizzone G.D. (2007). Decapod crustacean assemblages off the West coast of Central Italy (Western Mediterranean). Sci. Mar. 71(1): 19-28. IF 2007 = 1.075
- 52) Sánchez, F, J. E. Cartes, I. Olaso, F. Velasco, F. Saborido, Fanelli E. & J. Zabala (2006). Monitoring the Prestige Impacts on some Commercial Species (hake, four-spot megrim, Norway lobster and Pandalid shrimps) of the North of Spain Shelf. Mar. Poll. Bull. 53: 332- 347. IF 2006 = 2.562
- 53) Fanelli E., Lattanzi L., Nicoletti L., Tomasetti P. (2006). Decapod crustaceans of Tyrrhenian Sea soft bottoms (central Mediterranean). Crustaceana 78(6): 641-651. IF 2006 =0.45
- 54) Fanelli E., Cartes J.E . (2004). Feeding habits of pandalid shrimps in the Alboran sea (SW Mediterranean): influence of biological and ecological factors. Mar. Ecol. Prog. Ser. 280: 227- 238. IF 2004 =2.32