

PERSONAL INFORMATION

Andrea De Felice

 Italian National Research Council (CNR) - IRBIM. L. Fiera della Pesca, 2 - 60125 Ancona (Italy).
 
 andrea.defelice@cnr.it

Sex | Date of birth | Nationality

WORK EXPERIENCE

1999-2019
(Evidence B2)

EDUCATION AND TRAINING

2010
(Evidence B2)

1999
(Evidence B2)

PERSONAL SKILLS

Mother tongue(s)

Italian.

Other language(s)
(Evidence B5)

English

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Communication skills
(Evidence B2)

Good communication skills gained through work experience.

Job-related skills
(Evidence B2)

He is a biologist expert in biomass estimations of marine organisms by means of acoustic methodology. In particular, he has experience on small pelagic fish in the Adriatic Sea and on krill species in the Ross Sea (Antarctica). His past research activities also dealt with the relations between fish and krill biomass and spatial distribution with the main environmental parameters of the water masses, characterization of the acoustic response of pelagic fish species of commercial interest, genetic aspects related to anchovy (*Engraulis encrasicolus*) and its geographical location or abundance trend, aspects related to anchovy reproductive biology and also physiology studies on small pelagic stocks.

Organisational / managerial skills
(Evidence B1)

He is Operative Unit leader for CNR IRBIM in the project MarE – “Institutional assistance for the development of the Albanian MARitime Economy” and in the project DISCOVERY – “ Monitoring DISSostichus mawsoni in sea-ice COVERed areas of the Ross Sea Region MPA bY low-impact technologies”. He participated to several projects concerning the evaluation of small pelagic fish species biomass and spatial distribution in the Adriatic Sea financed by MIPAAF (=Italian Ministry of Agriculture, Food and Forestry Policies), EU and FAO AdriaMed. He also participated to projects in the ambit of PNRA (=Programma Nazionale di Ricerche in Antartide) on biomass estimation of krill species in the Ross Sea. He is cruise leader during the acoustic surveys in western Adriatic Sea (FAO GSAs 17 and 18) since 2007; since 2015 he is cruise leader only for a part of the total study area. Guest Editor for the Special Issue on Mediterranean Marine Science dedicated to MEDIAS surveys (2021).

Digital competence
(Evidence B2)

Good skills and experience with softwares for acoustic data elaboration such as Myriax Echoview and NORCE LSSS. Good practice with GIS softwares as ESRI Arcview and Manifold; more limited knowledge with QGIS.

**Fisheries management advisors
(Evidence B4)**

He is part of the MEDIAS (=MEDiterranean International Acoustic Surveys) Steering Committee since 2008. He was Chairman of the MEDIAS from April 2016 to April 2019. Since 2002 he participated several times to specific Working Groups on small pelagic fish and particularly in the stock assessment of anchovy and sardine in FAO GSA 17 and 18, since acoustic biomass estimates are used as tuning indexes in stock assessment models of these species. Since 2016 he has a collaboration as an expert with Italian Ministry of Agriculture, Food and Forestry Policies on issues related to small pelagic fishery management.

- Andrea De Felice**
- Azzali M., **De Felice A.**, Cosimi G., Luna M., Parmiggiani F. 2002. The state of the Adriatic Sea centered on the small pelagic fish populations. P.S.Z.N.: Marine Ecology, 23 (1): 78-91
 - Azzali M., Leonori I., **De Felice A.**, Russo A. 2006. Spatial-temporal relationships between two euphausiid species in the Ross Sea. Chemistry and Ecology, 22 (1): S219-S233
 - La Mesa M., **De Felice A.**, Jones C. D. and Kock K.-H. 2009. Age and growth of spiny icefish, *Chaenodraco wilsoni* Regan, 1914, off Joinville-D'Urville Islands (Antarctic Peninsula). CCAMLR Science, 16: 115-130
 - Azzali M., Leonori I., Biagiotti I., **De Felice A.**, Angiolillo M., Bottaro M. and Vacchi M. 2010. Target strength studies on antarctic silverfish (*Pleuragramma antarcticum*) in the Ross Sea. CCAMLR Science, 17: 75–104
 - Giannoulaki M., Pyrounaki M. M., Liorzou B., Leonori I., Valavanis D. V., Tsagarakis K., Bigot J. L., Roos D., **De Felice A.**, Campanella F., Somarakis S., Arneri E., Machias A. 2011. Habitat suitability modelling for sardine juveniles (*Sardina pilchardus*) in the Mediterranean Sea. Fish Ocean, 20 (5): 367–382
 - Tugores Ferra M. P., Giannoulaki M., Iglesias M., Bonanno A., Tičina V., Leonori I., Díaz N., Giráldez A., Patti B., **De Felice A.**, Basilone G., Machias A., Tsagarakis K., Valavanis V. 2011. Habitat suitability modeling for sardine in a highly diverse ecosystem: the Mediterranean Sea. Mar Ecol Prog Ser, 443: 181–205
 - Leonori I., Tičina V., **De Felice A.**, Vidjak O., Grubišić L. and Pallaoro A. 2012. Comparisons of two research vessels' properties in the acoustic surveys of small pelagic fish. Acta Adr, 53(3): 389 – 398
 - Giannoulaki M., Iglesias M., Tugores M. P., Bonanno A., Patti B., **De Felice A.**, Leonori I., Bigot J. L., Ticina V., Pyrounaki M. M., Tsagarakis K., Machias A., Somarakis S., Schismenou E., Quinci E., Basilone G., Cuttitta A., Campanella F., Miquel J., Onate D., Roos D. and V. Valavanis V. 2013. Characterizing the potential habitat of European anchovy *Engraulis encrasicolus* in the Mediterranean Sea, at different life stages. Fish Ocean, 22 (2): 69–89
 - Machias A., Pyrounaki M. M., Leonori I., Basilone G., Iglesias M., **De Felice A.**, Bonanno A. and Giannoulaki M. 2013. Catch of pelagic hauls in Mediterranean acoustic surveys: Is it the same between day and night? Scientia Marina, 77(1): 69-79
 - Carpi P., Santojanni A., Donato F., Colella S., Cikes Kec V., Zorica B., Leonori I., **De Felice A.**, Ticina V., Modic T., Pengal P., Arneri E. 2015. A joint stock assessment for the anchovy stock of the northern and central Adriatic Sea: comparison of two catch-at-age models. Scientia Marina, 79 (1), doi: <http://dx.doi.org/10.3989/scimar.03903.29A>
 - Ruggeri P., Splendiani A., Di Muri C., Fioravanti T., Santojanni A., Leonori I., **De Felice A.**, Biagiotti I., Carpi P., Arneri E., Nisi Cerioni P., Giovannotti M., Caputo Barucchi V. 2016. Coupling demographic and genetic variability from archived collections of European anchovy (*Engraulis encrasicolus*). PLoS ONE, 11(3): e0151507. doi: 10.1371/journal.pone.0151507
 - Miccoli A., Leonori I., Estonba A., **De Felice A.**, Piccinetti C. C., Carnevali O. 2016. Clupeiformes' egg envelope proteins characterization: the case of *Engraulis encrasicolus* as a proxy for stock assessment through a novel molecular tool. Molecular phylogenetics and evolution, 100: 95-108
 - Ruggeri P., Splendiani A., Occhipinti G., Fioravanti T., Santojanni A., Leonori I., **De Felice A.**, Arneri E., Procaccini G., Catanese G., Tičina V., Bonanno A., Nisi Cerioni P., Giovannotti M., Stewart Grant W., Caputo Barucchi V. 2016. Biocomplexity in Populations of European Anchovy in the Adriatic Sea. PLoS ONE, 11(4): e0153061. doi:10.1371/journal.pone.0153061
 - Miccoli A., Olivotto I., **De Felice A.**, Leonori I., and Carnevali O. 2016. Characterization and transcriptional profiles of *Engraulis encrasicolus*' GnRH forms. Reproduction, 152: 727-739
 - Leonori I., De Felice A., Canduci G., Costantini I., Biagiotti I., Giuliani G., Budillon G. 2017. Krill distribution in relation to environmental parameters in mesoscale structures in the Ross Sea. Journal of Marine Systems, 166: 159-171
 - Brosset P., Fromentin J.-M., Van Beveren E., Lloret J., Marques V., Basilone G., Bonanno A., Carpi P., Donato F., Cikeš Kec V., **De Felice A.**, Ferreri R., Gašparević D., Giráldez A., Gücü A., Iglesias M., Leonori I., Palomera I., Somarakis S., Ticina V., Torres P., Ventero A., Zorica B., Ménard F., Saraux C. 2017. Spatio-temporal patterns and environmental controls of small pelagic fish body condition from contrasted Mediterranean areas. Progress in Oceanography, 151: 149-162
 - Miccoli A., Maradonna F., **De Felice A.**, Barucchi V. C., Estonba A., Genangeli M., Vittori S., Leonori I., Carnevali O. 2017. Detection of endocrine disrupting chemicals and evidence of their effects on the HPG axis of the European anchovy *Engraulis encrasicolus*. Marine Environmental Research, 127: 137-147 DOI: 10.1016/j.marenvres.2017.04.006

- Leonori I., **De Felice A.**, Canduci G., Costantini I., Biagiotti I., Giuliani G., Budillon G. 2017. Krill distribution in relation to environmental parameters in mesoscale structures in the Ross Sea. *Journal of Marine Systems*, 166: 159-171
- Giannoulaki M., Pyrounaki M. M., Bourdeix J.-H., Ben Abdallah L., Bonanno A., Basilone G., Iglesias M., Ventero A., **De Felice A.**, Leonori I., Valavanis V. D., Machias A. and Saraux C. 2017. Habitat Suitability Modeling to Identify the Potential Nursery Grounds of the Atlantic Mackerel and Its Relation to Oceanographic Conditions in the Mediterranean Sea. *Frontiers in Marine Science* 4:230. doi: 10.3389/fmars.2017.00230
- Malavolti S., **De Felice A.**, Costantini I., Biagiotti I., Canduci G., Grilli F., Marini M., Tirelli V., Borme D., Caputo Barucchi V., & Leonori I. 2018. Distribution of *Engraulis encrasicolus* eggs and larvae in relation to coastal oceanographic conditions (the South-western Adriatic Sea case study). *Mediterranean Marine Science*, 19(1), 180-192. doi:<http://dx.doi.org/10.12681/mms.14402>
- Mandić M., Leonori I., **De Felice A.**, Gvozdenović S. and Pešić A. 2021. A new look on the morphometric characteristics of Congridae leptocephali from the southern Adriatic Sea. *Journal of the Marine Biological Association of the United Kingdom* 1–5. <https://doi.org/10.1017/S0025315421000229>
- Palermino A., **De Felice A.**, Canduci G., Biagiotti I., Costantini I., Malavolti S., Leonori I. 2021. First target strength measurement of *Trachurus mediterraneus* and *Scomber colias* in the Mediterranean Sea. *Fisheries Research*, 240, 105973. <https://doi.org/10.1016/j.fishres.2021.105973>

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali.