

PERSONAL INFORMATION

Giuseppe Scarcella



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🏠 <https://publons.com/researcher/3835106/giuseppe-scarcella/>

Sex Male | Date of birth ----- | Nationality Italian/Cipriot

WORK EXPERIENCE

2001-present

- Researcher at National Research Council - Institute for Biological Resources and Marine Biotechnologies (ex Institute of Marine Science) with over 10 years of experience on fisheries science, ecosystems and fishery management.

EDUCATION AND TRAINING

2010

- PhD in Biology and Marine Ecology with the thesis: "Age and growth of *Scorpaena porcus* and *Scorpaena notata* in the Adriatic Sea", Faculty of Science, Università Politecnica delle Marche.

2001

- Master degree in Mathematical, Physical and Natural Sciences (5 years degree) with a specialisation on Marine Biology and Oceanography. Graduated with full marks (110/110) discussing the final dissertation Catches analyses of three set gears employed for *Sepia officinalis* fishing in the Adriatic Sea". Università Politecnica delle Marche.

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

English (IELTS Certificate)

Greek

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
A1	A1	A1	A1	A1

Communication skills

- Good communication skills gained through my work experience as researcher. I published more than 50 publications (scientific paper and technical report) have been written in English. I attended as expert to several STECF and GFCM Working Groups and other international and national committees on fisheries. Guest lecturer for FAO and other Institutions in Italy, Turkey and Cyprus.
- From 2010 member of the network of experts on the effect of Lessepsian species on Fisheries of the Eastern Mediterranean.
- From 2012 appointed as member of the Scientific, Technical and Economic Committee for Fisheries of the European Union.
- From 06/2012 appointed as member of the "Nekton and Fisheries" Committee for SIBM (Italian Society of Marine Biology).
- From 04/2012 appointed by Marine Stewardship Council as Fishery Team Leader in MSC certification.
- From 03/2014 registered in the list of expert of the European Fisheries Control Agency (EFCA) as Fisheries Scientist and Fishery Statisticians/Modellers.
- From 12/2015 appointed as moderator of the GFCM-SAC Sub-regional Committee for Eastern Mediterranean.

## Organisational / managerial skills

- Good organisational / managerial skills acquired during the coordination of several National and International research project.
- Recent projects coordinated:
  - “SoleMon: Valutazione dello stock di sogliola in GSA 17” cofinanced by MIPAF and FAO-ADRIAMED. Period: 2008-present.
  - “SoleDiff: Morphological and genetic differentiation analysis on *Solea aegyptiaca* and *Solea solea*” financed by FAO-ADRIAMED. Period: 2012.
  - “AdriaMed ad hoc meeting on data evaluation on the spatial distribution and abundance of sole (*Solea solea*) in the north-central Adriatic Sea” financed by FAO-ADRIAMED. Period: 2011-2012.
  - “Sviluppo di un framework tecnico scientifico innovativo per la messa a punto di piani di gestione pluriennali per la pesca in accordo con il Reg. (UE) n. 1380/2013.” Financed by MIPAAF. Period: 2015-2017.
  - “Management plans for the demersal fisheries in the Adriatic and Western Ionian Sea” Financed by MIPAAF. Period: 2016-2017.

## Job-related skills

- Deep knowledge of stock assessment and fishery management: since 2005 I am responsible for the assessment of demersal species in the Adriatic Sea, providing scientific advice based on management strategy evaluation and in some cases using assessment model considering data limited stocks.
- Deep practical knowledge of fishing sector: I have worked on both commercial and research vessels, and I am coordinator of a scientific trawl survey (SoleMon) providing index of abundance for demersal species.
- Invited expert in advanced and professional courses, masters: Universities, Ministries etc.
- Tutor of several Master degree.
- Training Fisheries Biology program designed to produce graduates who can assess, develop and manage fish populations and fish habitats and commercial fisheries (responsibility of University courses and lessons: Università di Bologna).
- Coordinator of a research group in CNR-IRBIM dealing with fishery management and evaluation of the trawl impact using AIS data (see: [dx.doi.org/10.12770/56788352-9c7c-47cb-b039-4cb655b6a802](https://dx.doi.org/10.12770/56788352-9c7c-47cb-b039-4cb655b6a802))

## Digital competence

- Good experience acquired in around twenty years of experience.
- Good command of office suite (word processor, spread sheet, presentation software)
- Good knowledge of Statistics Software (STATISTICA), Software for the study of selectivity and for the analysis of geographic data
- Good knowledge of stock assessment and simulation software (FLR, SS3, a4a) especially assessment in data limited stocks (CMSY, AMSY, LBB, etc.).

## Fisheries management advisors

He participated as expert at working groups of ICES, GFCM, FAO regional projects and STECF providing scientific advice for fishery management, especially in the framework of STECF and GFCM. Responsible of training on stock assessment in Greece and Turkey. EASTMED project.

**Publications** More than 60 peer reviewed papers, more than 15 conference articles), more than 100 international technical reports. Most relevant papers:

- Grati, F., **Scarcella**, G., Polidori, P., Domenichetti, F., Bolognini, L., Gramolini, R., Vasapollo, C., Giovanardi, O., Raicevich, S., Celić, I., Vrgoč, N., Isajlovic, I., Jenič, A., Marčeta, B., Fabi, G. 2013. Multi-annual investigation of the spatial distributions of juvenile and adult sole (*Solea solea*, L.) in the Adriatic Sea (Northern Mediterranean). *Journal of Sea Research*, 84: 122–132
- Colloca, F., Cardinale, M., Maynou, F., Giannoulaki, M., **Scarcella**, G., Jenko, K., Bellido, J.M., Fiorentino, F. 2013. Rebuilding Mediterranean fisheries: a new paradigm for Ecological sustainability. *Fish and Fish*. 14 89–109. DOI: 10.1111/j.1467-2979.2011.00453.x 1
- Cartes, J.E., Fanelli, E., Kipiris, K., Bayhan, J. 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*. DOI: <http://dx.doi.org/10.1016/j.dsr.2014.01.006>.
- **Scarcella**, G., Grati, F., Raicevich, S., Russo, T., Gramolini, R., Scott, R.D., Polidori, P., Domenichetti, F., Bolognini, Giovanardi, O., Celić, I., Sabatini, L., Vrgoč, N., Isajlovic, I., Marčeta, B., Fabi, G. 2014. Common sole in the northern and central Adriatic Sea: spatial management scenarios to rebuild the stock. *Journal of Sea Research* 89: 12-22. DOI: 10.1016/j.seares.2014.02.002
- Ferrà, C., Tassetti, A.N., Grati, F., Pellini, G., Polidori, P., **Scarcella**, G., Fabi, G. (2017). Mapping change in bottom trawling activity in the Mediterranean Sea through AIS data. *Marine Policy* (2017), <https://doi.org/10.1016/j.marpol.2017.12.013>.
- Froese, R., Winker, H., Coro, G., Demirel, N., Tsikliras, A.C., Dimarchopoulou, D., **Scarcella**, G., Quaas, M., Matz-Lück, N. (2018). Status and rebuilding of European fisheries. *Marine Policy* 93 (2018) 159–170.
- Sabatini, L., Bullo, M., Cariani, A., Celić, I., Ferrari, A., Guarniero, I., Leoni, S., Marčeta, B., Marcone, A., Polidori, P., Raicevich, S., Tinti, F., Vrgoč, N., **Scarcella**, G. (2018). Good practices for common sole assessment in the Adriatic Sea: Genetic and morphological differentiation of *Solea solea* (Linnaeus, 1758) from *S. aegyptiaca* (Chabanaud, 1927) and stock identification. *Journal of Sea Research* 137 (2018) 57–64
- Celić, I., Libralato, S., **Scarcella**, G., Raicevich S., Marčeta, B., Solidoro, C. (2018). Ecological and economic effects of the landing obligation evaluated using a quantitative ecosystem approach: a Mediterranean case study. *ICES Journal of Marine Science*, fsy069, <https://doi.org/10.1093/icesjms/fsy069>
- Froese, R., Winker, W., Coro, G., Demirel, N., Tsikliras, A.C., Dimarchopoulou, D., **Scarcella**, G., Probst, W.N., Dureuil, M., Pauly, D. (2018). A new approach for estimating stock status from length frequency data. *ICES Journal of Marine Science*, fsy078, <https://doi.org/10.1093/icesjms/fsy078>
- Grati F, Fabi G, **Scarcella** G, Guicciardi S, Penna P, Scanu M, et al. (2018). Artificial spawning substrates and participatory research to foster cuttlefish stock recovery: A pilot study in the Adriatic Sea. *PLoS ONE* 13(10): e0205877. <https://doi.org/10.1371/journal.pone.0205877>
- Froese, R., Tsikliras, A.C., Scarcella, G., Gascuel D. 2019 Progress towards ending overfishing in the Northeast Atlantic
- Vaz, A.C., **Scarcella**, G., Pardal, M.A., Martinho F. 2019. Water temperature gradients drive early life-history patterns of the common sole (*Solea solea* L.) in the Northeast Atlantic and Mediterranean. *Aquatic Ecology* 53 (2), 281-294
- Strafella, P., Fabi, G., Despalatovic, M., Cvitković, I., Fortibuoni, T., Gomiero A., **Scarcella**, G. 2019. Assessment of seabed litter in the Northern and Central Adriatic Sea (Mediterranean) over six years. *Marine pollution bulletin* 141, 24-35
- Froese, R., Winker, W., Coro, G., Demirel, N., Tsikliras, A.C., Dimarchopoulou, D., **Scarcella**, G., Palomares, M.L.D., Dureuil, M., Pauly, D. 2019. Estimating stock status from relative abundance and resilience. *ICES Journal of Marine Science* 77 (2), 527-538
- Galdelli A, Mancini A, Tassetti A N, Vega CFerra, Armelloni E, **Scarcella** G, Fabi G, Zingaretti P. 2019. A Cloud Computing Architecture to Map Trawling Activities Using Positioning Data. <https://doi.org/10.1115/DETC2019-97779>

Dati personali: 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"

