

## Curriculum vitae Paola Rinelli

Born in ommissis (Italy) on ommissis

1985 - Degree (M.Sc.) in Biological Science from the University of Rome “La Sapienza” in 1985.

Senior Researcher at National Research Council (CNR), Institute for Biological Resources and Marine Biotechnology (IRBIM), Head Office of Messina, Sp. S. Raineri, 86 – 98122 Messina- Italy (ex IAMC).

Dr. Rinelli held during last years the following offices: Member of Reserve Commission for the MPA “Isole Egadi”, Member of Scientific Committee, ex. Art. 6 lex 41/82, of Italian Ministry for Agricultural and Forest Politics (“MIPAF”). Responsible of Activity Research Task “Enhancement, preservation and quality of ichthyic resources in marine ecosystem” CNR Earth and Environment Department.

From October 2017 until September 2018 Responsible of Messina Section of the CNR- Institute for Coastal Marine Environment (IAMC).

At the present Member of Regional Advisory Committee on Fisheries- Sicilian Region.

Tutoring for numerous degree theses and research doctorates. Scientific coordinator of various research grants and CNR temporary staff.

Responsible of research national and international projects.

Coordination of the following most recent national and international projects:

1. MIPAAF-EU Data Collection Regulation e Data Collection Framework – “Work Plan for Data Collection in the fisheries and aquaculture sector -PLNRDA 2017-2018-2019-2020 and 2021”. TASK MEDITS e CAMPBIOL GSA10.
2. MIPAAF– “Progetto ITAFISH-SCIENZE” Coordinatore Nazionale CONISMA. PI of CNR-IAMC of Messina OU. 2012-2013.
3. Sicilian Region- Pilot Project FEP reg CE 1198/2006. “Testing of methods to improve demersal fishing gears to reduce by-catches, discards and impact on sea bottom” 2014-2015.
4. MIPAAF – “Progetto ITAFISH-SCIENZE” Coordinatore Nazionale CONISMA. Responsible per l’UO del CNR-IAMC di Messina. 2012-2013.

Participation in the following projects:

1. ITALIAN MINISTRY OF HEALTH. RF 2009 – “Food and environmental safety: the problem of endocrine disruptors”. 2011-2014.
2. EU - EUROPEAN PROGRAM ENPI Mediterranean Basin 2007-2013. "ECOSAFIMED - Towards Ecosystem Conservation and Sustainable Artisanal Fisheries in the Mediterranean basin". 2013-2015.
3. SUSTAINABLE FISHERY SSD - WP6 – “Implementation and integration of marine observation systems for sustainable management of fishing effort - Dissemination and training activities”. 2013 – 2016.
4. ARTA-OSSERVATORIO DELLA BIODIVERSITA’-REGIONE SICILIA (accordo di programma quadro con ISPRA, ARPA, IAMC-CNR) -” Inventory of Sicilian marine biodiversity: *Pinna nobilis* monitoring”. 2014-2015.
5. MIUR – RITMARE Project – Parasites as "biological tags" for the identification of fish stock - SP2\_WP1\_A4\_UO06\_D01. 2013-2015;

Participation to many oceanographic cruises on Italian research vessels (Minerva, Urania) and to experimental trawl- surveys in the Mediterranean sea in the ambit of Grund and Medits project within Italian fishery boats and Spanish oceanographic and fishery vessel (Cornide de Saavedra).

Scientific coordination of oceanographic cruises (CNR vessels: “Dalla Porta” and “Maria Grazia”) aimed to fisheries ecosystem approach in Southern Tyrrhenian Sea trawlable bottoms.

SCIENTIFIC SKILLS: over twenty years of experience in the assessment and protection of fishery resources in the Mediterranean. Expert on population and environmental biology: demersal resources evaluation, fishery resources management, stock assessment, production models, fishery ecology, sustainable fishery, coastal zone management, Marine Protected Areas, biodiversity.

RESEARCH ACTIVITIES: a) evaluation and protection of renewable biological resources; b) analysis of demersal communities integrated with the biological and physical characterization of marine environments; c) genetic identification of fish stocks; d) analysis of fish communities biodiversity; e) influence of environmental

contaminants on fishing resources; f) study of demersal species parassitofauna; g) impact of fishing activities on marine biological resources and marine ecosystems, trophic chains, stomach contents.

Author or Co-author of over 100 scientific papers and over 50 technical reports.

## RECENT PAPERS:

1. D'Iglio C., Albano M., Tiralongo F.\*, Famulari S., Rinelli P., Savoca S., Spanò N., Capillo G. (2021). Biological and ecological aspects of the blackmouth catshark, *Galeus melastomus* Rafinesque, 1810, from the Southern Tyrrhenian Sea. *Journal Marine Science and Engineering*, 9, 967. <https://doi.org/10.3390/jmse9090967>
2. D'Iglio C., Savoca S., Perdichizzi A., Rinelli P., Spanò N., Capillo G.(2021) "Intra- and interspecific variability among congeneric *Pagellus* otoliths". *Scientific Report*, 11, Article number: 16315. 10.1038/s41598-021-95814-w.
3. D'Iglio C., Savoca S., Rinelli P., Spanò N., Capillo G. (2021). Diet of the Deep-Sea Shark *Galeus melastomus* Rafinesque, 1810, in the Mediterranean Sea: What We Know and What We Should Know. *Sustainability*, 13, 3962. <https://doi.org/10.3390/su13073962>.
4. Micale, V., Perdichizzi, A., Muglia, U., Rinelli, P., Cosenza, A., Mita, D. (2019). Gonadal macrophage aggregates in fish: a preliminary quantitative study in red mullet. *J. Exp. Zool.* 2019;1–5. <https://doi.org/10.1002/jez.2270>.
5. Bottari, T., Spinelli, A., Busalacchi, B., Rinelli, P., ; Giacobbe, S., (2017). Transplant trials of the fan mussel *Pinna nobilis* inside the Coastal Lagoon of Capo Peloro (Central Mediterranean, Italy). *Journal of Shellfish Research*, 36(1): Pages: 3-8.DOI: 10.2983/035.036.0102
6. Bottari, T., Profeta, A., Rinelli, P., Gaglio, G., La Spada, G., Smedile, F., Giordano, D (2017). On the presence of *Pontobdella muricata* (Hirudinea: Piscicolidae) on some elasmobranchs of the Tyrrhenian Sea (Central Mediterranean). *Acta Adriatica*, 58(2): 225-234.
7. Bottari, T., Profeta, A., Spano, N., Longo, F., Rinelli, P. (2017). New Host Records for the Marine Fish Ectoparasite *Argulus vittatus* (Crustacea: Branchiura: Argulidae). *Comparative Parasitology*, 84 (1): 64-66 .DOI: 10.1654/1525-2647-84.1.64
8. Marino, F., Busalacchi, B., Bottari, T., Rinelli, P., Gaglio, G. (2016). Occurrence and prevalence of *Philometra filiformis* (Stossich, 1896) on *Pagellus erythrinus* (Linnaeus, 1758) in the Southern Tyrrhenian Sea . *Journal of Applied Ichthyology*, 32 (4): 687-692. DOI: 10.1111/jai.13069
9. Bottari, T., Rinelli, P., Spano, N., Mangano, MC., Porporato, EMD., Mobilia, V., Fiorentino, F. (2016). Epidemiology of gnathiid isopods on red mullet (*Mullus barbatus barbatus*) along the Tyrrhenian Sicilian coast (Mediterranean Sea). *Cah. Biol. Mar.*, 57 (3): 187-193.
10. Sala A., Lucchetti A., Perdichizzi A., Herrmann B., Rinelli P. (2015). Is square-mesh better selective than larger mesh? A perspective on the management for Mediterranean trawl fisheries. *Fisheries Research*, 161: 182-190.
11. Bottari T. Gancitano S., Rinelli P., Ragonese S. (2015). Comparison between Otoliths and Length Based Ageing and Growth of African Armoured Searobin (*Peristedion cataphractum* L. 1758; Teleostei, Peristediidae) off the Southern Coasts of Sicily (Mediterranean Sea). *Journal of Marine Biology* , Article ID 804971, <http://dx.doi.org/10.1155/2015/804971>: 1-6.
12. Mangano M.C., Kaiser M.J., Porporato E., Lambert G.I., Rinelli P., Spanò N. (2014). Infaunal community responses to a gradient of trawling disturbance and a long-term Fishery Exclusion Zone in the Southern Tyrrhenian Sea. *Continental Shelf Research*, 76: 25-35.
13. Bottari T., Busalacchi B., Profeta A., Mancuso M., Giordano D. and Rinelli P (2014). Elasmobranch Distribution and Assemblages in the Southern Tyrrhenian Sea (Central Mediterranean). *J. Aquac. Res. Development* 5: 216-220. doi:10.4172/2155-9546.1000216
14. Busalacchi B., Bottari T., Giordano D., Profeta A., Rinelli P. (2014). Distribution and biological features of the common pandora, *Pagellus erythrinus* (Linnaeus, 1758), in the Southern Tyrrhenian Sea (Central Mediterranean). *Helgoland Marine Research*, DOI 10.1007/s10152-014-0404-5.
15. Rinelli P., Bianchini M. L., Casciaro L., Giove A., Mannini A., Politou C.Y., Profeta A., Ragonese S., Sabatini A. (2013). Occurrence and abundance of the deep-water red shrimps *Aristeus antennatus* (Risso, 1816) and *Aristaeomorpha foliacea* (Risso, 1827) in the central-eastern Mediterranean Sea. *Cah. Biol. Mar.*, 54 (3): 335-347.
16. Bottari, T., Liguori, M., Trilles, J.P., Giordano, D., Romeo, T., Perdichizzi, F., Rinelli, P (2013). Host-parasite relationship: occurrence and effect of *Ceratothoa parallela* (Otto, 1828) on *Boops boops* (L., 1758) in the Southern Tyrrhenian Sea. *Journal of Applied Ichthyology*, 29: 896-900.
17. Giordano D., Perdichizzi A., Profeta A., Busalacchi B., Cosenza A., Perdichizzi F., Rinelli P. (2013). Occurrence of two lanternfish *Lampanyctus crocodilus* (Risso, 1810) and *Lampanyctus pusillus* (Johnsan, 1890) larvae in the southern Tyrrhenian sea. *Rapp. Comm. Int. Mer. Médit.*, 40: 733.
18. B. Busalacchi, T. Bottari, R. Forzano, E. Armeli Minicante, P. Rinelli (2013). Infestation status of gnathiid isopod juveniles parasitic on *Mullus barbatus* (L. 1758) off the northern Sicily coast (Mediterranean Sea). *Rapp. Comm. Int. Mer. Médit.*, 40: 861.
19. Bottari T., Rinelli P., Bianchini M.L., Ragonese S. (2013). Stock identification of *Raja clavata* L. (Chondrichthyes, Rajidae) in two contiguous areas of the Mediterranean. *Hydrobiologia*: 703: 215-224.

20. Bottari T., Busalacchi B., Perdichizzi F., Rinelli P. (2013). Osservazioni sulla presenza di larve di gnatidi (crustacea, ISOPODA) in *Mullus barbatus* lungo le coste tirreniche della Sicilia. *Biologia Marina Mediterranea*, 20(1): 230-231.
21. Perdichizzi A., Pirrera L., Giordano D., Perdichizzi F., Busalacchi B., Profeta A., Bottari T., Rinelli P. (2011). Distribution patterns and population structure of *Illex coindetii* (Cephalopoda: Ommastrephidae) in the Southern Tyrrhenian Sea: historical series of 14 years trawl survey. *Fisheries Research*, 109: 342-350.
22. Bottari T., Nardone G., Rinelli P., Ragonese S. (2011). Is the African armoured searobin (*Peristeidon cataphractum*, Peristediidae) stock off the south Sicily and North African coast a “unit stock”? *Cybium*, 35(2):91:98.
23. Porporato E.M.D., De Domenico F., Mangano M.C., Rinelli P., Spanò N. (2012). *Ebalia nux* (Decapoda, Brachyura) found among the leaves of *Pteroeides spinosum* (Anthozoa, Octocorallia). *Crustaceana*, 85 (1): 125-128.
24. Perdichizzi A., Pirrera L., Micale V., Muglia U., Rinelli P. (2012). A histological study of ovarian development in the Giant red shrimp *Aristaeomorpha foliacea* (Crustacea: Decapoda: Aristeidae) from the Southern Tyrrhenian Sea (Western mediterranean). *The Scientific World Journal*. Volume 2012, Article ID 289608, 9 pages. doi:10.1100/2012/289608.
25. Giordano D., Profeta A., Pirrera L., Soraci F., Perdichizzi F., Greco S., Perdichizzi A., Rinelli P. (2012). On the occurrence of the Blunthead Puffer, *Spoeroides pachygaster* (Osteochthyes: Tetraodontidae), in the Strait of Messina (central Mediterranean). *Journal of Marine Biology*: doi: 10.1155/2012/462407.