

CURRICULUM VITAE



PERSONAL INFORMATION

Name PETROCELLI Antonella
Address Istituto Ricerca sulle Acque (IRSA) – CNR, Talassografico “A. Cerruti”, Via Roma, 3, 74121 Taranto, Italy
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Nationality Italian
Date of Birth 21/08/1965
Gender Female

WORK EXPERIENCE

- Dates (from - to) 12/03/2001 - ongoing
- Name and address of the employer National Council of Research (CNR)
 - Type of business or sector IRSA - Talassografico “A. Cerruti”, Taranto (ex IAMC)
 - Occupation or position held Researcher
- Main activities and responsibilities
 - PNRR - National Biodiversity Future Center - NBFC
Role: Partecipante GdL CNR-IRSA in Spoke 3
 - PNRR - Italian Integrated Environmental Research Infrastructure System - ITINERIS
Role: Task Manager Action 5.13, Action 6.7
 - PNRR - EMBRC-UP
Role: Task Manager
 - POR Puglia 2014/2020 - M.I.A. RETE-NATURA 2000
Role: Task Manager
 - Synoptic Assessment of Human Pressures on Key Mediterranean Hot Spots - SNAPSHOT
Role: Task Manager
 - Exercise of “horizon scanning” e “ prioritization” for the preparation of the national and union list of marine alien species
Role: Expert in alien seaweeds
 - Study and management of the biodiversity in coastal and transitional water environments”
Role: Expert in seaweed biology and taxonomy
 - European Project 1°STR/0005 - Ballast water management system for the Adriatic sea protection (BALMAS)
Role: Expert in alien seaweed taxonomy
 - ILTER Italia network
Role: Data Manager
 - Flagship Project RITMARE
Role: Associate researcher
 - Marine Strategy
Role: CNR National Referent for criterion 2.1 and indicator 2.1
 - European Research Infrastructure LifeWatch
Role: Expert in alien seaweed biology and taxonomy
 - Coastline and Transitional Environments: structural and functional analysis of ecosystem biotic and abiotic components for the sustainable development of activities
Role: Associate researcher
 - Qualitative and quantitative monitoring system of surface water bodies of Apulia Region - Transitional waters
Role: Expert in seaweed biology and taxonomy
 - Vegetative propagation and overwintering structures in seaweeds
Role: Associate researcher
 - Project VECTOR

Role: Associate researcher

- POR PUGLIA 2000-2006 Biological and biocenotic characterization of the brackish lake of Acquatina (Frigole, LE) to improve environmentally-friendly fish management (CAGEPRA) – Phytobenthos

Role: Expert in seaweed biology and taxonomy

- An integrated approach to the sustainable management of coastal belt

Role: Associate researcher

- Sustainable development of coastal belt: ecosystem analysis and anthropogenic pressure - Anthropogenic impact on the biodiversity of marine coastal environments

Role: Associate researcher

- Project MIUR - Detection and monitoring of alien species in the Taranto seas (IMSAT)

Role: Associate researcher

- Monitoring of the ecological communities affected by the Gennarini sewage

Role: Expert in seaweed biology and taxonomy

- Pilot study for the environmental characterization of marine areas at risk (SPICAMAR) - Phytocenoses of the Taranto seas

Role: Expert in seaweed taxonomy

- Dates (from - to) 31/12/1994 – 11/03/2001
- Name and address of the employer National Council of Research (CNR)
 - Type of business or sector IAMC, Talassografico “A. Cerruti”, Taranto
 - Occupation or position held Contract Researcher
- Main activities and responsibilities
 - Anthropic impact on the biodiversity of marine coastal environments
Role: Associate researcher
 - Interreg Italia-Albania - Project for a monitoring network of southern Adriatic marine waters - Phytobenthos
Role: Associate researcher
 - Interreg Italia-Grecia - “Quality of marine coastal systems. Proposals for the location of marine protected areas - Phytobenthos
Role: Associate researcher
 - Vegetative propagation and overwintering forms in micro- and macroalgae
Role: Associate researcher
 - Ecology and phenology of the rhodophycean seaweed *Alsidium corallinum* in the Mar Piccolo of Taranto
Role: Associate researcher
 - Project PRISMA 2 - Study of phytobenthic communities of hard substrata along the Gargano promontory with particular reference to *Cystoseira* communities
Role: Associate researcher
 - Ecology of the marine area facing the Taranto industrial zone: 1995-1997
Role: *Expert in seaweed taxonomy*
 - Ecophysiology of benthic macrophytes in the Taranto seas
Role: Principal investigator
 - Ecology and phenology of the rhodophycean seaweed *Acanthophora nayadiformis* in the Taranto seas
Role: Associate researcher
 - Study of phytobenthic populations near the Cheradi Islands (Gulf of Taranto)
Role: Associate researcher
- Dates (from - to) 10/03/1991 - 09/03/1993
- Name and address of the employer National Council of Research (CNR)
 - Type of business or sector Istituto Talassografico “A. Cerruti”, Taranto
 - Occupation or position held Graduate fellowship
- Main activities and responsibilities
 - Study of the Mar Piccolo of Taranto: phytocenoses
Role: Associate researcher

EDUCATION AND TRAINING

- Dates (from - to) November 1984 - February 1989
- Name and type of organisation providing education and training University of Pisa
- Principal subjects/occupational skills covered Biological Sciences
- Title of qualification awarded Master's Degree

MOTHER TONGUE	Italian
OTHER TONGUE	English
• Reading	Excellent
• Capacità di scrittura	Excellent
• Capacità di espressione orale	Good
TECHNICAL SKILLS AND COMPETENCES	Optical microscopy for seaweed identification
<i>With computers, specific kinds of equipment, machinery, etc.</i>	Use of microtome for ultra-thin dissection
	Management of herbarium sheets
	Computer skills in Mac and Windows environment

- Petrocelli A., Wolf M.A., Sciuto K., Sfriso A., Rubino F., Ricci P., Cecere E. 2023. Long-term data prove useful to keep track of the fate of non-indigenous seaweeds. *Frontiers in Environmental Science* (in press)
- Stabili L., Giangrande A., Arduini D., Borghese J., Petrocelli A., Alabiso G., Ricci P., Cavallo R.A., Acquaviva M.I., Narracci M., Pierri C., Trani R., Longo C. 2023. Environmental quality improvement of a mariculture plant after its conversion into a multi-trophic system. *Science of the Total Environment* (in press)
- Giangrande A., Licciano M., Arduini D., Borghese J., Pierri C., Trani R., Longo C., Petrocelli A., Ricci P., Alabiso G., Cavallo R.A., Acquaviva M.I., Narracci M., Stabili L. 2022. An integrated monitoring approach to the evaluation of the environmental impact of an inshore mariculture plant (Mar Grande of Taranto, Ionian Sea). *Biology*, 11: 617. <https://doi.org/10.3390/biology11040617>
- Wolf M.A., Sciuto K., Maggs C.A., Petrocelli A., Cecere E., Buosi A., Sfriso A. 2021. Merging the cryptic genera *Radicilingua* and *Calonitophyllum* (Delesseriaceae, Rhodophyta): molecular phylogeny and taxonomic revision. *Algae*, 36: 165-174. <https://doi.org/10.4490/algae.2021.36.7.18>
- Huisman J., D'Archino R., Nelson W., Boo S.M., Petrocelli A. 2021. Cryptic cryptogam revealed: *Hypnea corona* (Gigartinales: Cystocloniaceae), a new red alga species described from the *Hypnea cornuta* complex. *Pacific Science*, 75: 263-268.
- Petrocelli A., Alabiso G., Cecere E., Ricci P., Carlucci R. 2020. Invasive or not? The case of *Grateloupia turuturu* (Rhodophyta, Halymeniales) in the Northern Ionian Sea (Mediterranean Sea). *Marine Pollution Bulletin*, 161: 111748.
- Petrocelli A., Wolf M.A., Cecere E., Sciuto K., Sfriso A. 2020. Settlement and spreading of the introduced seaweed *Caulacanthus okamurae* (Rhodophyta) in the Mediterranean Sea. *Diversity*, 12: 129.
- Petrocelli A., Cecere E. 2019. A 20-year update on the state of seaweed resources in Italy. *Botanica Marina* 62: 249-264.
- Petrocelli A., Cecere E., Rubino F. 2019. Successions of phytobenthos species in a Mediterranean transitional water system: the importance of long term observations. *Nature Conservation* 34: 217-246. <https://doi.org/10.3897/natureconservation.34.30055>
- Petrocelli A., Antolić B., Bolognini L., Cecere E., Cvitković I., Despalatović M., Falace A., Finotto S., Iveša L., Mačić V., Marini, M., Orlando-Bonaca M., Rubino F., Trabucco B., Zuljević A. 2019. Port Baseline Biological Surveys and seaweed bioinvasions in port areas: What's the matter in the Adriatic Sea? *Marine Pollution Bulletin*, 147: 98-116.
- Servello G., Andaloro F., Azzurro E., Castriota L., Catra M., Chiarore A., Crocetta F., D'Alessandro M., Denitto F., Frogliola C., Gravili C., Langer M.R., Lo Brutto S., Mastroianni F., Petrocelli A., Pipitone C., Piraino S., Relini G., Serio D., Xentidis N.J., Zenetos A. 2019. Marine alien species in Italy: a contribution to the implementation of descriptor D2 of the Marine Strategy Framework Directive. *Mediterranean Marine Science* 20: 1-48. <https://doi.org/10.12681/mms.18711>
- Cecere E., Alabiso G., Carlucci R., Petrocelli A., Verlaque M. 2016. Fate of two invasive or potentially invasive alien seaweeds in a central Mediterranean transitional water system: failure and success. *Bot. Mar.* 59: 451-462
- Cecere E., Petrocelli A., Belmonte M., Portacci G., Rubino F. 2016. Activities and vectors responsible for the biological pollution in the Taranto seas (Mediterranean Sea, southern Italy): a review. *Environ. Sci. Pollut. Res.* 23: 12797-12810
- Petrocelli A., Cecere E. 2015. Chapter 11. Invasive Seaweeds: impacts and management actions. In: Canning-Clode J. (ed) *Biological Invasions in Changing Ecosystems*. De Gruyter Open: 253-275.
- Petrocelli A., Cecere E., Verlaque M. 2013. Alien marine macrophytes in transitional water systems: new entries and reappearances in a Mediterranean coastal basin. *BiolInvasions Records*, 2: 177-184
- Cecere E., Moro I., Wolf M.A., Petrocelli A., Verlaque M., Sfriso A. 2011. The introduced seaweed *Grateloupia turuturu* (Rhodophyta, Halymeniales) in two Mediterranean transitional water systems. *Botanica Marina*, 54: 23-33.
- Cecere E., Petrocelli A., Portacci G., Mineur F., Verlaque M. 2011. *Grateloupia minima* (Rhodophyta, Gigartinales) in the Thau Lagoon and in the Mar Piccolo of Taranto: first report for the Mediterranean Sea. *Bollettino dei Musei e degli Istituti Biologici dell'Università di Genova* 73: 78

Taranto, 14/04/2023

Ammonelle Feinall.