

Dott.ssa Francesca Provenza**Ph.D student**

email: francesca.provenza@phd.units.it

Edificio M, st. B/47

Dipartimento di Scienze della Vita (DSV)

Università degli Studi di Trieste

via Giorgieri 10, 34127 Trieste, Italia

Biosketch

Graduated with honors in Marine Biology at the University of Pisa in 2018, she has been enrolled in the National Order of Biologists in the 2019. After graduation she carried out a year of professional training at the accredited laboratory Alpha Ecologia in Florence dealing with microbiology and contamination. Subsequently she was hired as a researcher at the BsRC Research Center where she deals with biochemical and ecotoxicological analyzes under accreditation. Since 2019 she has held the role of laboratory manager. In 2020 she started a PhD at the Department of Life Sciences of the University of Trieste. Her research activities, conducted and under development, are related to the ecology of marine-coastal and transition systems and ecotoxicology. The research is aimed at developing innovative diagnostic techniques in the environmental field, through the use of biological assays and verifying the sensitivity in the responses of different techniques as well as the evaluation of the effects on the trophic network of aquatic systems deriving from exposure to emerging contaminants (microplastics, nanoparticles, detergents and active ingredients of cosmetological interest).

Publications

Di seguito sono riportate **5** pubblicazioni tra le più rappresentative negli ultimi **3** anni:

1. Renzi M., **Provenza F.**, Pignattelli S., Cilenti L., Specchiulli A., Pepi M. 2019. Mediterranean Coastal Lagoons: The Importance of monitoring in sediments the biochemical composition of organic matter. *International Journal of Environmental Research and Public Health*, 16: 3466; doi:10.3390/ijerph16183466.
2. Piccardo M., **Provenza F.**, Grazioli E., Cavallo A., Terlizzi A., Renzi M. 2020. PET microplastics toxicity on marine key species is influenced by pH, particle size and food variations. *Science of the Total Environment* 715: 136947; doi: 10.1016/j.scitotenv.2020.136947.
3. Renzi M., Pauna V.H., **Provenza F.**, Munari C., Mistri M. 2020. Marine Litter in Transitional Water Ecosystems: State of The Art Review Based on a Bibliometric Analysis. *Water*, 12: 612; doi:10.3390/w12020612.
4. **Provenza F.**, Piccardo M., Terlizzi A., Renzi M. 2020. Exposure to pet-made microplastics: Particle size and pH effects on biomolecular responses in mussels. *Marine Pollution Bulletin*, 156: 111228; doi: 10.1016/j.marpolbul.2020.111228.
5. Renzi M., Cilenti L., Scirocco T., Grazioli E., Anselmi S., Broccoli A., Pauna V., **Provenza F.**, Sprecchiulli A. 2020. Litter in alien species of possible commercial interest: The blue crab (*Callinectes sapidus* Rathbun, 1896) as case study. *Marine Pollution Bulletin* 157: 111300. doi: 10.1016/j.marpolbul.2020.111300.