Prof. MONIA RENZI
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Biosketch

Monia Renzi was born in Orbetello (GR-Italy) on 01/01/1977. She graduated with honours in Biology, Environmental specialization, with an experimental thesis in Lagoon Ecology, at the University of Siena. PhD in Sciences and technologies applied to the environment, research area "Technologies for the assessment of ecotoxicological impacts". Associate Professor (SSD BIO / 07). She previously carried out her research at the University Centre of Grosseto, as head of the research divisions "General Ecology" and "Ecotoxicology" dealing with marine-coastal and lagoon ecosystems. In 2013 she became General Director at Bioscience Research Center, where she still leads research programs in collaboration with national/international organizations and institutes. She is a member of the LaguNet scientific association board and a member of the Board of Directors of the national technology cluster BIG - Blue Italian Growth. In 2019, she received the appointment of "Correspondent Academic" for the Academy of Fisiocritici (Siena).

Regular reviewer of projects at national and international level in the topics of Natural Sciences, Physics, Earth and Environmental Sciences and Marine Litter. She also collaborates, as reviewer, with numerous international journals with impact factor and she is Invited Associate Editor of the special issues related to marine litter, marine coastal environmental monitoring and coastal areas contamination and treatment for the international journals JMSE, IJERPH and Water. She received the LaguNet award (best educational poster 2019) and the following awards: Outstanding contribution in reviewing Award (Environmental Pollution, 2018) and Excellence in reviewing, Award (Chemosphere, 2016).

Research

Her research activities cover issues of ecology and ecotoxicology. She conducts research on marine protected areas, paralysis and transition systems, such as coastal lagoons and port areas, evaluating the effects of environmental and anthropic stress on biodiversity and functioning, also in relation to dynamics of global change. With regard to the ecotoxicological field, she is responsible for evaluating, on organisms at various stages of development, the biometric, morphological, histological, physiological and biochemical effects induced by exposure to classical and emerging environmental contaminants (e.g. nanoparticles, substances for pharmaceutical use, drugs, disinfectants, cosmetics) and multiple stresses. A recent line of research is related to the study of micro- and nanoplastics with particular attention to the dynamics of transfer along the trophic networks and the resulting ecotoxicological and ecological effects.

Publications

A complete list of publications and metric indices is available at the following links:
ORCID: https://orcid.org/0000-0003-2452-1698
Google Scholar: https://scholar.google.it/citations?user=Xi-QxPMAAAAJ&hl=it
SCOPUS: https://www.scopus.com/authid/detail.uri?authorId=24081388400
Research gate: https://www.researchgate.net/profile/Monia_Renzi2

Below are 5 of the most representative publications in the last 3 years.

1. **Renzi M**., Blašković A., Bernardi G., Russo G.F. 2018. Plastic litter transfer from sediments towards marine trophic webs: a case study on holothurians. Marine Pollution Bulletin 135: 376-385.
2. D'Alessandro M., Porporato E.M.D., Esposito V., Giacobbe S., Deidun A., Nasi F., Ferrante L., Auriemma R., Berto D., **Renzi M**., Scotti G., Consoli P., Del Negro P., Andaloro F., Romeo T. 2020. Common patterns of functional and biotic indices in response to multiple stressors in marine harbours ecosystems. Environmental Pollution 113959.
3. Fastelli P., **Renzi M**. 2019. Exposure of key marine species to sunscreens: changing ecotoxicity as a possible indirect effect of global warming. Marine Pollution Bulletin 149: 110517.
4. **Renzi M**., Čižmek H., Blašković A. 2019. Marine litter in sediments related to ecological features in impacted sites and marine protected areas (Croatia). Marine Pollution Bulletin 138: 25-29.
5. 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.