

CRISTINA GUERRANTI, PhD

email:

Department of Life Sciences (DSV)
University of Trieste
via Giorgieri 10, 34127 Trieste, Italy

Biosketch

Cristiana Guerranti graduated with honours in Biology (environmental curriculum) at the University of Siena. At the same university, from 2000 to 2014, with various types of positions, she carried out research activities and in 2007 she obtained the title of PhD in Sciences and Technologies Applied to the Environment. In the same years, she also had research appointments from CoNISMa and Consorzio Venezia Nuova. From 2012 to 2014, as a research fellow, she was part of the Ecodynamics Group research team, an interdisciplinary group of researchers focused on the theme of sustainable development. From 2012 to 2013, as an associate researcher of the Institute of Clinical Physiology of CNR (Pisa), she participated in project activities on the exposure and effects of endocrine disruptive environmental contaminants. On the same topic, she was involved, as a contractor, in research and teaching activities at the universities of Modena and Reggio Emilia and of Ferrara. From 2015 to 2017, she worked as scientific director and laboratory director at Bioscience Research Center. In 2018, she was holder of a scholarship at the Consortium for the Development of Large Interphase Systems (CSGI) (Department of Chemistry of the University of Florence); in 2019, she was lecturer in Environmental Analytical Chemistry, at the same university. In 2018, she began a freelance professional activity and, starting from the same year, she is responsible for the bio-eco certification schemes of cosmetic products and chemical mixtures, at the QCertificazioni certification body. She is Full Academic at the Accademia dei Fisiocritici in Siena, author of numerous articles published in international scientific journals and books and qualified for the role of associate professor in the disciplinary sector 03A1 (Analytical Chemistry). Member of the editorial board of the Journal of Food Science and Engineering since 2011, of the International Journal of Experimental Biology since 2018, of the Journal of Marine Science and Engineering since 2020. In 2020, she is Co-guest Editor special issue Marine Litter of the Journal of Marine Science and Engineering.

Research

The numerous projects in which she has been involved focused on the dynamics of food contamination and human exposure to pollutants of environmental origin. In parallel to the above listed topics, she participated in sampling activities, development of analytical methods and analyses in the context of various environmental characterizations and research projects on marine environments, particularly Marine Protected Areas, and assessment of the impacts of microplastics and contaminants associated with them on ecosystems and organisms.

Publications

A complete list of publications and metric indices is available at the following links:

SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=24080319000>

Google

Scholar:

https://scholar.google.com/scholar?hl=it&as_sdt=0%2C5&q=cristiana+guerranti&oq=cristiana+gu

Below are five of the most representative publications in the last three years:

Renzi, M., **Guerranti, C.**, Blašković, A. 2018. Microplastic contents from maricultured and natural mussels. *Marine Pollution Bulletin*, 131: 248-251. (I.F.: 3.782)

Martellini, T., **Guerranti, C.**, Scopetani, C., Ugolini, A., Chelazzi, D., Cincinelli, A. 2018. A snapshot of microplastics in the coastal areas of the Mediterranean Sea. *Trends in Analytical Chemistry*, 109: 173-179. (I.F.: 8.428)

Cincinelli, A., Martellini, T., **Guerranti, C.**, Scopetani, C., Chelazzi, D., Giarrizzo T. 2019. A potpourri of microplastics in the sea surface and water column of the Mediterranean Sea. *Trends in Analytical Chemistry*, 110: 321-326. (I.F.: 9.801)

Guerranti, C., Martellini, T., Perra, G., Scopetani, C., Cincinelli, A. 2019. Microplastics in cosmetics: Environmental issues and needs for global bans. *Environmental Toxicology and Pharmacology*, 68: 75-79. (I.F.: 3.292).

Guerranti, C., Perra, G., Martellini, T., Giari, L., Cincinelli, A. 2020. Knowledge about microplastic in Mediterranean tributary river ecosystems: Lack of data and research needs on such a crucial marine pollution source. *Journal of Marine Science and Engineering*, 8(3), 216.