



Elisabetta Tosti graduated with *laude* in 1977 in Biology at the University of Napoli, “Federico II”. She has been Senior Scientist and group leader for Biology of Reproduction and Marine Ecotoxicology in the BEOM Department of the Stazione Zoologica “Anton Dohrn” up to January 2021.

She received the national scientific qualification for full professor in the sector Bio06. Member of the Editorial Board of the ISI journal “Marine Drugs”; Founder of the Italian Society on Embryology, Reproduction and Research (SIERR).

Invited speaker at numerous congresses, conferences and symposia. Contract professor at the University of Medicine, Naples. Coordinator and lecturer at

Italian and international Masters and Summer Schools. Tutor, supervisor and director of studies of numerous degree, PhD and post-doc students. Reviewer for Italian ministry and international grant assignment.

She is author of more than 100 papers and reviews on international ISI journals, book and encyclopaedia chapters, one book on fertilization and guest editor of numerous special issues on ISI journals. H-index = 30, 10-index = 74, orcid.org/0000-0002-3157-8628.

E. Tosti, is a biologist of reproduction of marine organisms with expertise on gamete physiology, mechanism of maturation, activation, fertilization and early development with a specific focus on the role of ion channels.

In 2010, she introduced ecotoxicology studies at the Stazione Zoologica investigating for the first time the ecological impact of environmental stressors, pollutants and climate changes on the reproductive and developmental processes of different marine animal models.

Representative publications

Gallo A, Boni R, **Tosti E.** (2020) Gamete quality in a multistressor environment. *Environment International* 138, 105627.

Gallo A, Boni R, Buia MC, Monfrecola V, Esposito MC, **Tosti E.** (2019) Ocean acidification impact on ascidian *Ciona robusta* spermatozoa: New evidence for stress resilience. *Science of the Total Environment*, 697, 134100.

Gallo A, Manfra L. Boni R. Rotini A. Migliore L. **Tosti E.** (2018) Cytotoxicity and genotoxicity of CuO nanoparticles in sea urchin spermatozoa through oxidative stress. *Environment International* 118: 325–333.

Tosti E, Ménézo Y. (2016) Gamete activation: basic knowledge and clinical applications. *Human Reproduction Update*. 22(4):420-439.

Gallo A. Boni R. Buttino I. **Tosti E.** (2016) Spermiotoxicity of nickel nanoparticles in the marine invertebrate *Ciona intestinalis* (ascidians). *Nanotoxicology*. 10(8):1096-104.