

CIESM Congress Session : Ecotoxicology / experimental

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Moderator's Synthesis

The session first discussed the importance of experimental ecotoxicology, its importance to complete chemical approaches, providing some original information on effects of contaminants or response of marine organisms.

Eight presentations were given, focusing on biomarkers, toxicity tests, DNA damage considering the effects of chemicals, including antifoulings, on various metabolic activities and species. Original presentations were given on the reversibility of metal inducibility of teratogenesis, the effects of gold nanoparticles and the interaction prey/predators.

A very open discussion developed on the selection of indicators/parameters, the ecological relevance of measurements, the importance of thresholds, baselines and the selection or range of concentrations tested. The relevance of the experimental ecotoxicological approach was finally noted as a tool to assess the extension of contamination and its effects, also for long term monitoring, on regular basis, of the contamination of effluents or chemicals, through *in vitro* testing.

