

DSV 2017 Seminars



UNIVERSITÀ
DEGLI STUDI DI TRIESTE

DIPARTIMENTO DI
SCIENZE DELLA VITA

PhD Program in *Environmental Life Sciences*

Wednesday, 19 December 2017 10:30

Seminar room, 1st Floor, Q Building

Francesco Regoli

Università Politecnica delle Marche

f.regoli@univpm.it

Host: Antonio Terlizzi

Emerging pollutants and new challenges for marine ecotoxicology: from the molecule to ecological risk assessment

Challenges for the marine environment are dramatically changing in the last decade both in terms of magnitude of disturbance and typologies of stressors, which greatly differ in terms of environmental sources and distribution pathways. Beside traditional chemicals, emerging pollutants like endocrine disruptors, pharmaceuticals and microplastics (MPs), toxicological interactions in chemical mixtures or the influence of climate change, represent examples of worrying hazards for the health status of marine organisms and ecosystems. At the same time, the ecotoxicological approach has gained new scientific and technological opportunities, increasing the choice of bioindicator organisms, evolving analytical technologies from single-molecule screening to quantitative high throughput analyses, and moving from the initial paradigm of the exposure-response continuum to more dynamic ecotoxicological scenarios.

