



Monday – September 12th

08:30-09:15 *Registration*

09:15-09:30 Welcome by **SZN President**

09:30-09:45 Welcome by **Ordine Nazionale dei Biologi**

09:45-10:00 *Coffee break*

Session: *Basic concepts in marine ecotoxicology*

10:00-11:00 **Alessandra Gallo:** Introduction to Marine Ecotoxicology, Biomarkers and Bioindicators

11:00-12:00 **Elisabetta Tosti:** Marine Reprotoxicology

12:00-13:30 *Lunch at SZN canteen*

Practical Session

14:00-17:00 **Angela Sardo:** Marine algal growth inhibition test

Tuesday – September 13th

Session: *Environmental Chemicals, Microplastics & Nanomaterials*

09:00-10:00 **Giovanni Libralato**: Rare earth elements: a new risk for the marine environment?

10:00-10:15 *Coffee break*

10:15-11:15 **Mohamed Banni:** Occurrence and fate of environmental microplastic in the Mediterranean: from cellular to population levels

11:15-12:15 **Loredana Manfra:** Nanomaterials and nanoparticles: sources and toxicity

12:15-13:30 *Lunch at SZN canteen*

Practical Session

14:15-17:00 **Carola Murano:** microplastic detection and identification & sea urchin immune cells as sentinels for monitoring microplastic pollution

Wednesday – September 14th

Session: Climate change

09:00-9:45 **Marco Munari:** Living on the edge. Discovering the adaptive mechanisms of marine communities against ocean acidification

09:45-10:00 *Coffee break*

10:00-11:00 **Marina Piscopo:** Salinity as a critical environmental factor in the reproduction of marine species

11:00-12:00 **Raffaele Boni:** Impact of global warming on reproductive processes of marine organisms

12:00-13:30 *Lunch at SZN canteen*

Practical Session

14:15-17:00 **Alessandra Gallo & Raffaele Boni:** Sperm cell toxicity test and SCA® CASA System application for the sperm motility analysis in marine invertebrates

Thursday – September 15th

Session: Model organisms in ecotoxicology

09:00-10:00 **Isabella Buttino:** Plankton as model organism in marine ecotoxicology

10:00-10:15 *Coffee break*

10:15-11:15 **Lorenzo Morroni:** Sea cucumbers as a new model for embryo-larval bioassays in ecotoxicological studies

11:15-12:15 **Maria Consiglia Esposito**: Sea urchin a suitable model
for the ecosafety assessment of marine contaminants

12:15-13:30 *Lunch at SZN canteen*

Practical Session

14:00-17:00 **Isabella Buttino & Ylenia Carotenuto**: Zooplankton
in ecotoxicity tests

Friday – September 16th

Session

09:00-10:00 **Toxicity test with marine bioluminescent bacteria**

10:00-10:15 Coffee break

10:15-11:15 Test for attendance certificate

11:15-12:00 *Closing with Ordine Nazionale dei Biologi*