

Scientific Program



SETAC Italian Language Branch 5th Workshop

September 28-29, 2026
co-hosted by



UNIVERSITÀ DI PADOVA
Dipartimento
di Biologia



ISPRA
Istituto Superiore per la Protezione
e la Ricerca Ambientale



Sistema Nazionale
per la Protezione
dell'Ambiente

Palazzo Grassi, Calle Grassi Naccari, 1060, 30015 Chioggia (Venezia)

Scientific Program

28th September

12.30-13.00 Registration

13.00-13.20 Welcome greetings from the Director of DiBIO University of Padova, Prof. Luigi **Bubacco**, Prof Valerio **Matozzo**, University of Padova
President SETAC Europe, Prof. Sandrine **Andres**(to be confirmed)

Opening of the workshop by Dr. Stefania **Marcheggiani** (Istituto Superiore di Sanità, President of SETAC ILB) and Prof. Giovanni **Libralato** (Vice President, University of Naples Federico II)

13.20-15.10

SESSION A Mediterranean climate region from biodiversity to human health

Chairs: Rossella **Boscolo Brusà** (ISPRA), and Ilaria **D'Aniello** (UNIPD)

- 13.20-13.30 Arianna **Bellingeri** (UNISI), Vulnerability of a Mediterranean Coral adult and larvae to Nanoplastics and Gadolinium.
- 13.30-13.40 Claudio **Bortot** (UNIPD), Blue crab in the North Adriatic Sea lagoons: extreme conditions and physiology of an invasive species.
- 13.40-13.50 Federica **Cacciatore** (ISPRA), Salinization trends and effects on macrozoobenthos community dynamics in Northern Adriatic transitional waters.
- 13.50-14.00 Silvia Giorgia **Signorini** (UNIMI), Can natural CO₂ vent systems provide generalizable insights into responses to Ocean Acidification? Two case studies from the Mediterranean Sea.
- 14.00 -14.10 Mariachiara **Galati** (UNIME), Between vulnerability and resilience: “thermal priming” in *Mytilus galloprovincialis* as a strategy for climate change.
- 14.10 -14.20 Andrea **Gaion** (ISPRA), Acidification as a toxicity amplifier: a ten-year causal analysis of climate–metal interactions in Mediterranean mussels.
- 14.20-14.30 Marco **Munari** (UNIPD), Investigating Ocean Acidification effects on contaminant dynamics and One Health risks at volcanic CO₂ vents.
- 14.30-14.40 Filippo **Drigo** (UNIPD), Heatwave responses in native and allochthonous *Sporobolus*: a multi-disciplinary perspective.
- 14.40-14.50 Lea **Di Massa** (UNINA), Environmental Safety and Ecotoxicological Assessment of Bioactive Extracts Derived from *Thymus serpyllum* L..

14.50-15.10 Open Debate

15.10-15.30 Digital Poster Session

15.30 -16.20

SESSION: Best Young Italian Scientist Award

Chairs: Silvia **Franzellitti** (UNIBO), Camilla **Puccinelli** (ISS) and Antonio **Morgillo** (UNIS-SZN)

Candidates: **Arnosti, Calattini, Guadagnini, Cortese, Kholdihaghighi, Lazzari, Maganza, Martinisi, Magnabosco, Mongera, Mossotto, Rosada, Sgariboldi, Soriano**

16.20-17.10

SESSION B Regulatory aspects of environmental pollution

Chairs: Roberta **Pedrazzani** (UNIBS) and Jacopo **Fabrello** (UNIPD)

- 16.20-16.30 Paolo **Rossini** (ISPRA), Chemical risk management in Europe: from end-of-pipe control to Safe and Sustainable by Design.

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16.30-16.40 Emanuela **Pace (ISPRA)**, Regulatory Challenges of PFAS Pesticides: Evidence from Italian Monitoring and Implications for Integrated Environmental Policy.

16.40-16.50 Giuseppe **Granato (ISPRA)**, Environmental Risk Management of Hexavalent Chromium under REACH: From Authorisation to Restriction.

16.50-17.00 Daniele **Zatta (UNIPD)**, Optimization of an Isotope Dilution GC–MS Method for PFAS Analysis in Water.

17.00-17.10 Open Debate

17.10-19.00

SESSION C Exposure and effects of legacy and emerging contaminants, and multiple stressors

Chairs: Valerio **Matozzo (UNIPD)** and Silvia Giorgia **Signorini (UNIMI)**

17.10-17.20 Giada **Caorsi (UNIMI)**, Additives Matter: A Multi-tier Ecotoxicological Assessment of Commercial PVA-based Dishwasher Pods on Danio rerio Embryos.

17.20-17.30 Giuseppe **De Marco (UNIME)**, Biological alterations, caused in *Mytilus galloprovincialis* by pharmaceutical active compounds, are partially attenuated by eco-friendly treatment with ulvans.

17.30-17.40 Cristina **Cremonesi (UNIMI)**, Ecotoxicological Effects of Polymers Used in Wastewater Treatment Plants on *Daphnia magna*.

17.40-17.50 Ifra **Ferheen (ISS)**, Italian case study of the BlueAdapt H2020 project: Health Risk Assessment of Antibiotic-Resistant Bacteria Spread into a Surface Water.

17.50 -18.00 Giovanni **Cilia (CREA)**, Use of a National Network of *Apis mellifera* L. Colonies for Environmental Surveillance of Antimicrobial Resistance Genes (ARGs).

18.00 -18.10 Alexandra **Dal Lago (UNIBO)**, Survival of *Apis mellifera ligustica* (Spinola, 1806) Under Combined Exposure to Thermal Stress, Humidity Variation, and Microplastic Ingestion.

18.10 -18.20 Letizia **Luffrida (UNIBO)**, The Northwestern Adriatic Sea as a Dynamic Laboratory to Explore Multiple Stressor Effect on Marine Bivalves.

18.20 -18.30 Marika **Bertoni (SZN)**, Macroalgal habitat shapes physiological responses of canopy associated invertebrates exposed to legacy and emerging contaminants.

18.30 -18.40 Paulina **Perera Wirz (UNI Algarve)**, From Blow to Biomarkers: Small RNA Sequencing of Drone-Collected Cetacean Blow for Non-Invasive Biomarker Discovery.

18.40 -19.00 Open Debate

19.00 -20.00 Digital Poster Session and Free Scientific Aperitive

29th September

9.00-11.00

SESSION C1 Exposure and effects of legacy and emerging contaminants, and multiple stressors

Chairs: Marco **Munari (SZN)** and Monica **Colli (Biotechnologie BT Srl)**

9.00-9.10 Laura **Giovanetti (UNISI)**, A multi-biomarker approach to evaluate the ecotoxicological status of great tit (*Parus major*) populations from areas with different anthropogenic impacts.

9.10-9.20. Lorenzo **Federico (UNIMIB)**, From individuals to communities: soil arthropod responses to natural geogenic CO₂ emissions in a mofette .

9.20-9.30 Hanane **Maghrebi (UNIPD)**, Food-relevant exposure to okadaic acid triggers early transcriptomic responses in complementary porcine and human intestinal models.

9.30-9.40 Chiara **Marulli (UNI Stavanger)**, Linking genomic insights and experimental evidence to understand seaweed resilience to environmental changes.

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- 9.40-9.50 Antonio **Morgillo** (UNISI-SZN), Multilevel responses to emerging contaminants in the tunicate *Ciona intestinalis*: a comparative perspective.
- 9.50-10.00 Michela **Panni** (UNIVPM), Ecotoxicological effects of the antidepressant sertraline in different non-target marine species.
- 10.00-10.10 Lara **Nigro** (UNIMIB), Species-Specific Sensitivity to PFCA and Chronic Effects in Cucumber: From Early Root Responses to Plant-Level Impairment .
- 10.10-10.20 Sara **Pacchini** (UNIPD), Surviving contamination: energetic trade-off and redox disruption in PFAS-chronically exposed fish (*Squalius cephalus*).
- 10.20-10.30 Alessio **Marafini** (UNIROMA1), A Combined Risk-LCA Approach for the PFAS REACH Restriction: A Case Study for Safe and Sustainable by Design.
- 10.30-10.40 Alessandro **Nardi** (UNIVPM), From environmental occurrence to biological responses: a multi-level assessment of PFAS across Mediterranean waters, biota and toxicological models.

10.40 -11.00 Open Debate

11.00-11.30 Digital POSTER Presentation and Coffee break

11.30-12.30

SESSION C2 Exposure and effects of legacy and emerging contaminants, and multiple stressors

Chairs: Giovanni **Libralato** (UNINA) and Tiziana **Cappello** (UNIME)

- 11.30-11.40 Stefania **Pezzana** (UNIMI), Micro- and Nanoplastics Disrupt Autophagy–Lysosome and Mitochondrial Homeostasis in Primary Human Monocytes.
- 11.40-11.50 Elisabetta **Piva** (UNIPD), Oxidative stress and the gut–brain axis as emerging tools in environmental physiology.
- 11.50-12.00 Giacomo **Sabbadin** (UNIPD), An approach to the study of underwater noise and nanoplastics and their effects on the colonial ascidian *Botryllus schlosseri*.
- 12.00-12.10 Andrea **Masseroni** (UNIMIB), Effects of pristine and aged LDPE and PP microplastic leachates on behavioural responses of the soil arthropods *Folsomia candida* and *Porcellionides pruinosus* .

12.10 -12.20 Open Debate

12.20-12.30 - Award ceremony for the Best Young Italian Scientist and Best Poster

12.30-13.00 Closing ceremony: Wrap-up and closing remarks from Stefania **Marcheggiani** (President of SETAC ILB, ISS) and Giovanni **Libralato** (Vice-President of SETAC ILB, UNINA)

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Guidelines for Presenters

- **Oral Presentations:** Presentations are allocated a 10-minute slot followed by questions and discussions. End of each session will host an open debate. Slides must be prepared in English. Presentations may be delivered in either Italian or English. Allowed file formats are Microsoft PowerPoint (.pptx) or PDF.
- **Best Young Scientist Award:** An interactive pitch of 3 minutes (maximum of 3 slides, PDF or PPTX formats). Pitches should preferably be presented in Italian with slides written in English.
- **Digital Posters:** Digital posters will be displayed continuously on screens throughout the workshop. Posters must be designed in a single-slide, Landscape layout with a 16:9 aspect ratio, written in English. **The deadline for submitting poster files is September 21, 2026.**
- **Poster Upload Link:** Files must be uploaded directly to the following official Dropbox link:
<https://www.dropbox.com/request/ek3pjiv4z27sxyf7w1jg>
- **Useful Contacts & Info:** [SETAC Italian Branch – SETAC Europe Regional Branch in Italy, setacilb2026@gmail.com](#) Palazzo Grassi Access Instructions: <https://chioggia.biologia.unipd.it/palazzo-grassi/come-arrivare/>

COMITATO SCIENTIFICO E ORGANIZZATORE

SETAC ILB Council

President SETAC ILB:

Stefania Marcheggiani (ISS)

Vice-President:

Giovanni Libralato (UNINA)

Past President:

Ilaria Corsi (UNISI)

External advisors:

Silvia Casini, Claudia Vaj, Paola Grenni

AND

ILB Council Members

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Valerio Matozzo (Università degli Studi di Padova), Marco Munari (Stazione Zoologica Anton Dohrn)

Federica Cacciatore (ISPRA) Silvia Franzellitti (Università di Bologna)

AND

Università degli Studi di Padova

Jacopo Fabrello, Ilaria D'Aniello,

Silvia Giorgia Signorini,

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