



Workshop

*Zero pollution- ecotoxicology for
safe and sustainable remediation*

Friday 22nd September 2023 9:00-13:00 CEST

Ferrara Fiere (Italy), White Room, first floor

organized by

**Italian Language Branch of the Society of Ecotoxicology and Environmental Chemistry
(SETAC ILB)**

This free half-day workshop organized by the **SETAC Italian Language Branch** is on the key role played by ecotoxicology in the hazard assessment of polluted or treated environmental matrices along with efficiency, **sustainability** and **environmental safety** of current and future remediation techniques. New challenges associated with emerging pollutants and complex mixtures remediation either in soil and water require complementary tools to enhance assessment methods and validate remediation techniques efficiency.

The workshop would like to promote knowledge on **ecotoxicology** used with the aim of restoring contaminated environments, sharing them in different environmental sectors, including consultants, regulatory agencies, industry, and academia with a common goal as the implementation of environmental policy and management in the field of safe and sustainable remediation.

Free of charge registration for Academia, Governance and general public.

Reserve your free seat here <https://forms.gle/1ksMzK6w83arVCc5A>

For private companies please visit the RemTech web site.

Chairs

Ilaria Corsi (President of the SETAC ILB), Paola Grenni (External Advisor of the SETAC IB), Sabine Apitz (Editor in Chief of the SETAC journal Integrated Environmental Assessment and Management), Peter Benhish (BDS, The Netherlands); John Pitchel (Ball State University, USA)

Round table participants

ISPRA, Biochemielab (<https://biochemielab.it/>), Lab service (<https://www.labservice.it/>), Veneto Acque, Università di Padova, SETAC and SETAC ILB

Preliminary Program

9:00 *Welcome reception and introduction*

Paola Grenni (IRSA-CNR and External Advisor SETAC ILB)

Ilaria Corsi (University of Siena and President of SETAC ILB)

9:10 **Matthias Braubach** (European Centre for Environment and Health, WHO)

Protecting Health Through The Redevelopment Urban Contaminated Sites

9:30 **Ivano Iavarone** (Dipartimento ambiente e salute, Istituto superiore di sanità, Roma)

Sentieri Project (Epidemiological Study Of Residents In National Priority Contaminated Sites)

9:50 **Sabine E. Apitz** Open-talk (Editor in Chief of the SETAC journal Integrated Environmental Assessment and Management)

Resistance, Resilience, Recovery, Remediation and Restoration: Ensuring Assessment Supports Sustainable Land- and Water-Scapes

10:20 **Peter Behnisch** (Director BioDetection Systems, BDS, The Netherland)

Toxic-free pollution - in vitro toxicity profiling for more safety and sustainability in plastic additives, plastics and recycling.

10:40 **David Pellegrini** (ISPRA)

Title to be announced

11:00 **Alberto Pivato** (Padova University, Civil, Environmental And Architectural Engineering)

Innovative procedure for HP14 (ecotoxicity) classification of waste from a remediation project: a case study in Veneto Region.

11:20 **Maria Chiara Neri** (Labservice), **Francesco Marrone** (LabAnalyses)

Ecotoxicological set of tests for waste re-use

11:40 **Biochemie Lab S.r.l.** (Campi Bisenzio, Italy)

Automation of the characterization process, ranking and estimation of LEG on samples of marine sediment

12:00 **John Pitchel** (Professor of Natural Resources and Environmental Management, Ball State University, USA)

Environment Remediation: Benefits and Challenges on a Global Scale

12:20 **Carlo Punta** (Politecnico di Milano, Department of Chemistry, Materials and Chemical Engineering "Giulio Natta")

Environmental safety of nanotechnologies for environmental remediation: The case study of bio-based nanostructured materials between past and future

12.40 **Round table discussion and concluding remarks**

Organizing Committee:

Paola Grenni (CNR-IRSA)

Ilaria Corsi (Siena University)

Silvia Casini (Siena University)

Claudia Vaj (Corteva Agriscience)