



ANTALYA  
**DIOXIN**  
1-6 NOVEMBER 2025

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# 45<sup>th</sup> International Symposium on Halogenated Persistent Organic Pollutants (POPs) (Dioxin2025)

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## SESSION TOPICS

### 1. Modelling

- 1.1. Pharmacokinetic modeling of POPs and mixtures
- 1.2 Physico-chemical properties and Modeling of POPs

### 2. Occurrence and Trends

- 2.1. Global/continental/regional/local POPs monitoring
- 2.2. Source, Transport and Fate of POPs and Emerging Contaminant in Environments
- 2.3. Once a CEC, Now a POP: Exploring Their Environmental Levels, Trends, and Dynamics
- 2.4. Plasticizers and other consumer product chemicals: Occurrence, impact, exposure
- 2.5. Monitoring in POPs in environmental compartments
- 2.6. Environmental Fate and Transport of POPs
- 2.7. Legacy and Novel Flame Retardants: biotransformation, toxicity, occurrence and exposure
- 2.8. Levels and Trends of POPs in Abiotic Environment
- 2.9. Levels and Trends of POPs in biotic Environment
- 2.10. Levels and Trends of POPs in Foods and Feeds
- 2.11. Aquaculture and POPs
- 2.12. POPs in aquatic environment
- 2.13. Inventories of Legacy and New POPs
- 2.14. Chlorinated Paraffins in the environment
- 2.15. PFAS: Occurrence, exposure, toxicity, treatment
- 2.16. POPs and Emerging Contaminants in Developing Countries: Disposal, Contamination, Management, Challenges and Opportunities
- 2.17. POPs in polar regions
- 2.18. Novel contaminants: screening and identification

### 3. Toxicology and Exposure

- 3.1. Toxicology and Ecotoxicology
- 3.2. Epidemiology
- 3.3. Human exposure
- 3.4. Wildlife exposure
- 3.5. Environmental and human exposure to plasticizers and other consumer product chemicals
- 3.7. Metabolism
- 3.8. Environmental Impact: Ecotoxicity of POPs and Emerging Contaminants
- 3.9. Biotransformation of POPs and Emerging Contaminants
- 3.10. Environmental Application and Ecotoxicity of Synthetic Nano-materials

### 4. Remediation, Waste Management and Risk Assessment

- 4.1. Remediation of POPs
- 4.2. Control of POPs and related chemicals
- 4.3. Risk Assessment and Risk Management
- 4.4. Waste Management of POPs
- 4.5. POPs and Emerging Contaminants Treatment Technologies
- 4.6. Persistent Organic Pollutants in Landfill and Toxic Industrial Waste

### 5. Sampling, Laboratory and Instrumental Detection

- 5.1. Passive Sampling and Exposomics – Advances and Novel Applications in Research and Monitoring
- 5.2. Analytical Techniques for Legacy and Novel Pollutants: Traditional methods, development of new methods, challenges in POPs analysis
- 5.3. Analytical Chemistry
- 5.4. Environmental Forensics
- 5.5. Screening and identification of novel contaminants

### 6. Policy and Regulation

- 6.1. Science, Policy and environmental regulations
- 6.2. Global conventions and assessment of their effectiveness
- 6.3. Gaps, limitations and difficulties of available capacities of developing countries on legacy and new POPs and strategies for capacity building

### 7. Other Contaminants

- 7.1. Food Contact materials
- 7.2. Micro- and nanoplastics: pollution, detection, treatment, relation to POPs
- 7.3. Antibiotics and PPCPs
- 7.4. Mercury

### 8. Others

- 8.1. Biopesticides
- 8.2. Other Topics

