

5th MS ENVI DAY



Palazzo Pirelli
Milan | 28th-29th November 2022

SCIENTIFIC PROGRAM

Monday, November 28

10:00	Registration
10:30	Raffaele Cattaneo - Assessore all'Ambiente e clima Regione Lombardia Riccardo Pase – Presidente VI Commissione Ambiente e Protezione civile Fabio Carella – Direttore generale ARPA Lombardia
Session 1 – Waters	
11:00 – 11:40	Damià Barcelò - ICRA-CERCA, IDAEA-CSIC Wastewater-Based Epidemiology to monitor COVID-19 outbreak: present and future diagnostic methods to identify large molecules using environmental proteomics
11:40 – 12:05	Salvatore Barreca - ARPA Lombardia Determination of pollutants concerning European Watch List by an internal method using UHPLC-MS/MS: from validation to evaluation
12:05 – 12:30	Stefano Tasselli - CNR-IRSA Polycyclic Musk Fragrances in Italian wastewaters and surface waters
12:30 – 12:55	Gianluca Coppola - EUROLAB s.r.l. High resolution mass spectrometry for the analysis of the PFAS and untargeted approach
12:55 – 14:00	Break
Session 2 – Soil	
14:00 – 14:40	Luca Lucentini - ISS Research-control nexus as core of the new regulatory framework on water
14:40 – 15:05	Laura Carroccia - ARPA Puglia Simultaneous GC-MS analysis semivolatiles compounds in solid matrices using modified QuEChERS methodology

15:05 – 15:30	Daniela Caputo - ARPA Puglia Determination of polycyclic aromatic hydrocarbons by GC-MS in sediment and soil from the area of Taranto
15:30 – 15:55	Alessandro G. Rombolà – Università di Bologna Characterization of Organic Matter and Dissolved Organic Matter in Soil with Bioplastic Residues by Analytical Pyrolysis-Gas Chromatography-Mass Spectrometry
15:55 – 16:25	Break
Session 3 - Air	
16:25 – 16:50	Gianni Formenton - ARPA Veneto Detection of Polychlorinated Terphenyls in industrial waste gas emissions
16:50 – 17:15	Maria Antonietta De Gregorio - ARPA Lombardia Advances in hydrocarbons speciation for soil gas analysis
17:15 – 17:40	Andrea Bergomi - Università degli Studi di Milano Analysis of Volatile Organic Compounds (VOCs) in a typical school environment by means of Gas Chromatography coupled to Mass Spectrometry (GC-MS)
17:40 – 18:05	Matteo Vitelli - ARPA Toscana Levogluconan and its Isomers by GC/MS in Fine Particulate Matter

Tuesday, November 29

Session 4 – Methods 1st part	
09:30 – 09:55	Malvika Dutt – Università di Urbino Determination of per- and polyfluoroalkyl substances (PFAS) using liquid chromatography-electron capture negative chemical ionization tandem mass spectrometry
09:55-10:20	Vittorio Esposito - ARPA Puglia High-resolution magnetic-sector mass spectrometry of existing and emerging Persistent Organic Pollutants in environmental matrices
10:20 – 11:00	Maurizio Bettinelli – UNICHIM Analysis of PFAS in water: results of UNICHIM Proficiency Tests and evaluation of measurement uncertainty
11:00 – 11:30	Break
Session 5 – Applications	
11:30 – 11:55	Andrea Bazzano - ARPA Liguria Weighted least squares algorithm produces calibration curves with constant relative error through the measurement range
11:55 – 12:20	Riccardo Narizzano - ARPA Liguria The oil fingerprinting approach application on a refinery oil spill event
12:20 – 13:20	Session Poster 1 Giuseppina Amato – ATS Milano <ul style="list-style-type: none"> - <i>A monitoring study of emerging mycotoxins (DON and related metabolites) through a validated LC-MS/MS analytical method.</i> - <i>Perfluoroalkyl substances (PFAS) in drinking water samples: 1st monitoring in the Lombardy Region</i> Andrea Bergomi - Università degli Studi di Milano <i>Application of a QuEChERS LC-MS/MS method for the determination of pesticides in environmental bioindicators: Apis mellifera and honey.</i> Elisa Piccoli - ARPA Friuli-Venezia Giulia <i>NANOPARTICLES of TiO₂ in Friuli-Venezia Giulia rivers: a natural background?</i> Marco Volante - ARPA Lombardia <i>Identification and characterization of Cashew-Nut-Shell Liquid (CNSL) components by GC/MS in unknown oily waste samples. A case-study.</i> Luisa Colzani - ARPA Lombardia <i>Studies on stability of pesticides and Watch List analytes from sampling to analysis.</i> Cristina Truzzi - Università Politecnica delle Marche <i>Fatty acids as potential biomarkers in marine suspended particulate matter across the southern ocean: extraction and quantification by gas-chromatography-mass spectrometry.</i> Silvia Illuminati - Università Politecnica delle Marche <i>Microplastic in atmospheric depositions: first evidence in Antarctica.</i>

	<p>Maddalena Busetto - ARPA Lombardia <i>Presence of ampa and glyphosate in the rivers of Lombardy: methodology and results.</i></p>
13:20 – 14:20	Break
14:20 – 15:50	<p>Session Poster 2</p> <p>Teresa D'Amore - Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata - <i>Ultrahigh-Performance Liquid Chromatography Q-Orbitrap Mass Spectrometry for the analysis of Neonicotinoids in honey: Method Development and Validation.</i> - <i>Arsenic speciation analysis in edible marine algae by HPLC-ICP-MS.</i></p> <p>Chiara Scapuzzi - Università di Genova <i>Laboratory and field comparison of three different passive samplers to determine emerging contaminants in seawater.</i></p> <p>Stefano Gravina - ARPA Puglia <i>Determination of bio-accumulated PCBs by Multi-residue GC-MS/MS analysis for biota monitoring.</i></p> <p>Ilaria Neri – Università di Napoli <i>Monitoring of Pollutants Content in Bottled and Tap Drinking Water in Italy.</i></p> <p>Emanuela Frapiccini - CNR IRBIM <i>Understanding the environmental global threat of chemicals leached from plastic particles.</i></p> <p>Mauro Esposito - Istituto Zooprofilattico Sperimentale del Mezzogiorno <i>Human biomonitoring of dioxins (PCDD/Fs) and polychlorinated biphenyls (PCBs) in Campania region (Southern Italy).</i></p>
Session 5 – Methods 2nd part	
15:50 – 16:15	<p>Elisa Di Alessandro - ARPA Toscana Determination of organotins by inductive plasma spectrometry in biota and sediments</p>
16:15 – 16:40	<p>Paolo Rinaldi - ARPA Lombardia Chlorates and chlorites determination in contaminated sites extending a multiresidue method for polar pesticides</p>
16:40 – 17:05	<p>Emanuele Ceccon - Restek s.r.l. PFAS Short/Ultrashort/alternatives the real topic here to come</p>
17:05 – 17:30	<p>Massimiliano Magna - MM S.p.A. The use of instrumentation coupled to mass spectrometer for analysis and accreditation of environmental contaminants according to UNI EN ISO 17025:2018</p>