



## PROGRAMME


### November 4, 2024 (Monday)

- 13:15-14:15 Registration of participants  
14:15-14:30 Opening ceremony with Greetings from the Authorities

#### **14:30- 17:30 Session “Lichen, Bryophytes Biomonitoring”**

- 14:30-15:15 P Linda Geiser.  
*Making biomonitoring accessible to all. Creating digital infrastructure to facilitate the collection and application of biomonitoring information in environmental management and policymaking*
- 15:15-15:30 R Hugo Counoy  
*Towards an interpretative framework for urban air quality biomonitoring using lichens: a meta-analysis of surveys following the European protocol*
- 15:30-15:45 R Luca Paoli  
*Comparing the diversity of epiphytic lichens with a regional dataset of atmospheric emission sources: a long-term study around a landfill site (Tuscany, Central Italy)*
- 15:45-16:00 R Silvia Poponessi  
*Bryophyte surveys within the long-term project biodiversity monitoring south Tyrol*
- 16:00-16:30 ☕ Coffee break**
- 16:30-16:45 R Aldo Winkler  
*Magnetochemical biomonitoring for the preventive conservation of the palatine hill archaeological site in Rome, Italy*
- 16:45-17:00 R Mira Aničić Urošević  
*Can different moss species be interchangeably used in biomonitoring potentially toxic elements within the same survey?*
- 17:00-17:15 R Jana Borovská  
*Biomonitoring of heavy metals in Slovakia*
- 17:15-17:20 F Luca Paoli  
*Trace elements in the lichen *Lobaria pulmonaria* from remote areas: evidence from herbarium collections in Slovakia*



- 17:20-17:25 F Paolo Giordani  
*A new tool for interpreting lichen biodiversity data: the Italian proposal*
- 17:25-17:30 F Sonia Ravera  
*Assessing *Lobaria pulmonaria* (L.) Hoffm. as a proxy for minimal atmospheric pollution in mediterranean: insights from the bioconlobaria project on pollution impact and lichen viability*
- 17:30-18:30  **IABEP Members meeting**





**November 5, 2024 (Tuesday)**

**09:00- 12:30 Session “Plastics and Microplastics”**

- 09:00-09:45 P Cristina Branquinho
- 09:45- 10:00** R Zulema Varela  
*Plastic debris in nests of white stork Ciconia ciconia population: characterisation and analysis of associated factors*
- 10:00-10:15 R Lisa Grifoni  
*Biomonitoring of airborne microplastics: comparison between moss and lichen transplants*
- 10:15-10:30 R Mehriban Jafarova  
*Does moss bag design influence the accumulation of atmospheric microplastics?*
- 10:30-11:00** ☕ **Coffee break**
- 11:00-11:15 R Fiore Capozzi  
*Sequential extraction of anthropogenic microfibers from leaves of Pittosporum tobira*
- 11:15-11:30 R Carla Gamelas  
*Microplastic contamination in lettuces from Lisbon urban vegetable gardens*
- 11:30-11:45 R Julian Aherne et a.,  
*Web of pollution: passive biomonitoring of atmospheric microplastics across Ontario*
- 11:45-12:00 R Maria Maisto  
*The soil microbiota as a biomarker for the response to microplastics as an emerging pollutant. the case study of Volturno river sediments (Southern Italy)*
- 12:00-12:15 R Maria Antonietta Ranauda  
*Molecular and microbial biomarkers in the soil-plant system response to emerging pollutants*
- 12:15-12:30 👥 **Discussion**
- 12:30-14:00** 🍴 **Lunch**



**14:00-15:50 Session “Plant-based biomonitoring”**

- 14:00-14:15 R Nathalie Sauret and Baptiste Delaunay  
*Leaf absorption characteristics of a bioindicator plant *Elaeagnus ebbingei* towards PAHs*
- 14:15-14:30 R Zbigniew Ziembik  
*Comparison of leaf elemental composition for biomonitoring purposes in urban environments*
- 14:30-14:45 R Antonello Prigioniero  
*Leaf surface functional traits as driver to identify plants useful in PM and PTEs biomonitoring in urban environment*
- 14:45-15:00 R Sergio Calabrese  
*Active and passive biomonitoring techniques in active volcanic environments*
- 15:00-15:15 R Claudia Pisuttu  
*Suitability of *Tillandsia usneoides* for biomonitoring toxic elements in forest ecosystems*
- 15:15-15:30 R Lorenzo Pippi  
*Towards ozone biomonitoring 3.0: Can vegetation spectroscopy help?*
- 15:30-15:35 F Giulia Scimone  
*Sick building syndrome and ozone biomonitoring: *Nicotiana tabacum* cv. *Bel-w3* seedlings exposure as a valid tool for the indoor air quality assessment*
- 15:35-15:40 F Donatella Rosoni,  
*Ozone biomonitoring is a versatile tool for science, environmental health and regulation: a case study from a regional agency for territory protection of central Italy*
- 15:40-15:45 F Carla Gamelas  
*Identifying trace metal contamination in Lisbon urban vegetable gardens using lettuce as a biomonitor*
- 15:45-15:50 F Mathilde Gaudin  
*Metabolites of phenanthrene as potential markers of polycyclic aromatic hydrocarbons in a bioindicating hedge plant *Elaeagnus ebbingei**
- 15:50-16:00**  **Discussion**
- 16:00-16:30**  **Coffee break**



**16:30-17:30 Session “Community Science”**

- 16:30-16:45 R Yannick Agnan  
*Engaging citizens in an air quality assessment using lichen biomonitoring: a case study of the lichens GO project*
- 16:45-16:50 F Silvana Munzi,  
*How and why to become a soil ambassador in the Echo project?*
- 16:50-16:55 F Samuele Risoli  
*Citizen science meets tropospheric ozone biomonitoring: insights from Italy*
- 16:55-17:00 F Gemma Bianchi  
*How much do you know about ozone biomonitoring?*
- 17:00-17:30**  **Discussion**
- 19:30**  **Dinner at “Restaurante Laurentina”**  
<https://www.restaurantelaurentina.com>








**November 6, 2024 (Wednesday)**

**09:30-12:30 Session “Ecosystem-based biomonitoring”**

- 09:30-10:15 P Patricia Ventura Garcia  
*Sleeping volcanoes, awaking health issues: lessons learned from wild mice*
- 10:15-10:30 R Martin Bačkor  
*Lichens and mosses in remediation of metal polluted environments*
- 10:30-10:35 F Nuno Ratola  
*Possible influence of forest fires on hg levels in soil and pine needles*
- 10:35-10:40 F Gilda Perri  
*Toxic elements (PTEs) in serpentine-derived soils and bioaccumulation capacity of spontaneous vascular flora in the Calabria Region, Southern Italy*
- 10:40-10:45 F Paola Adamo  
Nature-based solutions and urban farming: the impact of green barriers on air quality, soil health, and food safety
- 10:45-11:15 ☕ Coffee break**
- 11:15-11:30 R Fabiana Cristofolini  
*Pollen viability as bioindicator of air pollution: state of the art and future perspectives*
- 11:30-11:45 R Nenad Zarić  
Honey bees as effective biomonitors of spatial and temporal pollution
- 11:45-12:00 R Vlatka Filipović Marijić  
*Assessment of the spatial and temporal impact of wastewaters on biological responses in aquatic organism and water quality of the karst river water*
- 12:00-12:15 R Stefan Fraenzle  
*Biomonitoring using chitin: crayfish, grafted chitin and direct evaluation of adsorption thermodynamics*
- 12:15-12:20 F Daniela Baldantoni  
*Multi-Element bioconcentration kinetics in Dictyota spiralis for active biomonitoring of coastal marine ecosystems*



12:20-12:25	F	Maria Alexandra Oliveira <i>Implementing a long-term network to monitor the effects of air pollution on terrestrial ecosystems in Portugal</i>
12:25-12:30	F	Manuela Giovanetti <i>Agrochemical residues in beebread as an indicator of landscape management</i>
12:30-12:45		<b>Closure</b>
12:45-14:00		<b>Lunch</b>
		
14:00-14:15		<b>Opening: Short presentation of IABEP and ECHO project</b>
14:15-15:00		Marcos Pedlowski (Universidade Estadual do Norte Fluminense - participation by zoom) <i>Pesticides: who use them, where and when</i>
15:00-15:30		Isabel Brito (Universidade de Évora) <i>When the use of pesticides support soil friendly techniques</i>
15:30-16:00		Cristina Cruz (Universidade de Lisboa) <i>How to monitor pesticide residues and their effects in soil</i>
16:00-16:30		<b>Coffee break</b>
16:30-18:00		Roudtable with stakeholders - Moderator Cristina Cruz - Paulo Carvalho (Vivifarms) - Diogo Pinho (Monte da Silveira Bio) - Francisco Lupi (Projeto Pronobis) - Teresa Dias (Universidade de Lisboa)
18:00		<b>Closure</b>