

Poster Board Number	Title	Presenting author	Submitter Affiliation	Country
PS2.12.082	<i>A Bacterial-Archaeal Consortium Orchestrates Anaerobic Conversion of a Battery Electrolyte to Methane</i>	Yi Yang	Institute of Applied Ecology (CAS)	China
PS2.12.083	<i>An ecological framework to characterise the disturbance potential of product derived Bacillus toward soil microbial communities</i>	Deepanshi Karwall		United Kingdom
PS2.12.084	<i>An ecotoxicology toolbox for marine microbial functions</i>	Gretel Waugh	University of Manchester	United Kingdom
PS2.12.085	<i>Anthropogenic factors shape the gut microbiota of tigers in Indian tiger reserves</i>	Anusha Gudimella	Center for Cellular and Molecular Biology	India
PS2.12.086	<i>Anthropogenic Shaping of Urban Microbial Resistomes and Pathogenicity</i>	Nimaichand Salam	BRIC - National Agri-Food and Biomanufacturing Institute	India
PS2.12.087	<i>Aquifer bacterial community assembly as driven by operations - a field pilot study to simulate the groundwater heat pump systems</i>	Charis Wong		New Zealand
PS2.12.088	<i>Biogeography and diversity of soil microbial and mesofauna communities in different land uses with a gradient of soil disturbance in Eastern Canada</i>	Claudia Goyer		Canada
PS2.12.089	<i>Bottom-up and top-down controls drive functional and structural reorganization of soil microbiomes in temperate forest</i>	Tereza Patrmánová	Czech Agrifood Research Center	Czechia
PS2.12.090	<i>Clay levels regulate microplastic effects on soil microbial activities and community diversity</i>	Tingting Zhao		Germany
PS2.12.091	<i>Contrasting effects of mining and agricultural disturbance on critically endangered lemur gut microbiomes in Madagascar: A One Health perspective</i>	Karine Lalaina Mahefarisoa	KU Leuven	Belgium
PS2.12.092	<i>Coupled Microbiome-GHG Dynamics in Agricultural Ditches: Disturbance Triggers "Leaky" Nitrogen Cycling and Non-Canonical Methanogenesis</i>	Wen Chen		Canada
PS2.12.093	<i>Ecological roles of bacteriophages and auxiliary metabolic genes in the plastisphere</i>	Ga Eul Jeong	Korea Institute of Ocean Science & Technology	Korea, Republic of
PS2.12.094	<i>Effects of organic pollutants on the soil microbiota: from pesticides, nitrification inhibitors and ds-RNA, to veterinary medicines and microplastics</i>	Dimitrios Karpouzas	University of Thessaly	Greece

Poster Board Number	Title	Presenting author	Submitter Affiliation	Country
PS2.12.095	<i>Effects of Polylactic Acid Microplastics and Water Management on Thallium Uptake and Rhizosphere Microbiome in Rice</i>	Juan Liu		Netherlands
PS2.12.096	<i>Effects of Tecloftalam application on carbon and nitrogen transformation in paddy soils</i>	Jui-Lin Hsu		Taiwan, Province of China
PS2.12.097	<i>Effects of three pesticides on soil microorganisms in paddy field soil</i>	Yung-Yun Cheng		Taiwan, Province of China
PS2.12.098	<i>Environmental context drives soil fungal diversity and composition in an urban restoration chronosequence</i>	Kasey Kieseewetter		New Zealand
PS2.12.099	<i>Environmental gradients influence host-associated fungal communities across the native and introduced range of a plant host</i>	Isabelle Stiver	Oregon State University	United States of America
PS2.12.100	<i>Environmental Persistence and Decay Kinetics of Human Norovirus in Seawater: Parameterizations for Pathogen Forecasting at the San Diego-Tijuana Coastal Interface</i>	Koe Inlow		United States of America
PS2.12.101	<i>Environmental risk assessment at the microbial level: utilizing total RNA sequencing to evaluate the non-target impact of fungicides in agriculture</i>	Lucas Horstmann	Aarhus Universtiy	Denmark
PS2.12.102	<i>Evaluation of Antimicrobial Resistance Genes (ARGs) and potential pathogens in plastic waste on the channel and the beach of Sao Francisco in Rio de Janeiro, Brazil</i>	Emily Magalhaes		Brazil
PS2.12.103	<i>Extracellular vesicles as adaptive mediators of microbial responses to stress at anthropogenic interfaces</i>	Yifei Qin	Institute of Urban Environment, Chinese Academy of Sciences	China
PS2.12.104	<i>First insights into the orca gut microbiome of a stranded individual reveal pollutant metabolic potential and structuring according to intestinal region</i>	Broos Van de Moortel	KU Leuven	Belgium
PS2.12.105	<i>From disturbance to disease: Understanding the drivers of bilberry leaf microbiomes across boreal forests with contrasting disturbance histories</i>	Sara Leino	University of Helsinki	Finland
PS2.12.106	<i>From Hydrocarbon Stress to Ecological Recovery: Metagenomic Insights into Phylum-Level Microbial Succession During Bioremediation in K-Dere, Ogoni, Rivers State</i>	Professor Chioma Blaise Chikere	University of Port Harcourt	Nigeria
PS2.12.107	<i>From weeks to years: how brief vs prolonged warming shape growth and toxin synthesis in <i>Microcystis aeruginosa</i></i>	Bogdan Druga	Institute of Biological Research (NIRDBS)	Romania

Poster Board Number	Title	Presenting author	Submitter Affiliation	Country
PS2.12.108	<i>High-depth metagenomic and metatranscriptomic insight into the roles of active microbiota assembly in activated sludge system</i>	Xiaolong Wang	Sun Yat-sen University	China
PS2.12.109	<i>Hydrodynamic disturbance remobilizes extracellular antibiotic resistance genes from coastal sediments</i>	Angela Freddi		Italy
PS2.12.110	<i>Hydrogen-powered bacteria enhance organic micropollutant degradation under starvation conditions</i>	Baiqing Liu	Ghent University	Belgium
PS2.12.111	<i>Hyperbaric oxygen therapy modulates community composition and interaction networks of the burn scar microbiome</i>	YEONGYUN JUNG	Hangang Sacred Heart Hospital, Hallym University College of Medicine	Korea, Republic of
PS2.12.112	<i>Impact of black carbon on microbial community in surface barren soils: Ny-Ålesund, Svalbard</i>	Tatiana A. Vishnivetskaya	University of Tennessee, Knoxville	United States of America
PS2.12.113	<i>Impacts of the sunscreen oxybenzone on the oxidative proteome of a coral model</i>	Clint Oakley	Victoria University of Wellington	New Zealand
PS2.12.114	<i>'Inert' co-formulants in glyphosate-based herbicides alter greenhouse gas formation in soil</i>	Olivia Sieniawski	university of Stuttgart	Germany
PS2.12.115	<i>Influence of host population history on contemporary microbiome structure and diversity</i>	Veera Nieminen	University of Helsinki	Finland
PS2.12.116	<i>Integrating host-microbiome ecology into the evaluation of new flame retardants</i>	Manon Coone	KU Leuven	Belgium
PS2.12.117	<i>Interactions between polyfluorinated (PFAS) chemicals and microbiota from the human gut and food systems</i>	Nika Sokolova		Switzerland
PS2.12.118	<i>Invasive plants reshape marsh sediment microbial communities</i>	Ariel Bellatin	University of Texas at Austin	United States of America
PS2.12.119	<i>Isolation and Virulence Potential of Escherichia coli from Groundwater in an Agricultural Watershed, South Korea</i>	Dong-Hun Kim	Korea Institute of Geoscience and Mineral Resources	Korea, Republic of
PS2.12.120	<i>Land management intensity and organic inputs drive opposing drought stability patterns in soil bacterial and fungal communities</i>	Premchand Maisnam	Michigan State University	United States of America

Poster Board Number	Title	Presenting author	Submitter Affiliation	Country
PS2.12.121	<i>Land use filtering restructures soil microbial diversity and functional strategies in tropical Pacific Island agroecosystems</i>	Mesulame Tora		New Zealand
PS2.12.122	<i>Land-use change and forest degradation affect the structure and functional diversity of the Amazonian soil microbiome</i>	Camille Dias		Brazil
PS2.12.123	<i>Long-term microplastic exposure reshapes gut microbial ecology and host-microbiome interactions</i>	Surye Park	Kyungpook National University	Korea, Republic of
PS2.12.124	<i>Long-term monitoring of microbial community dynamics during sequential bioaugmentation and biostimulation in chlorinated ethene-contaminated field sites</i>	Hyunsu Kim		Korea, Republic of
PS2.12.125	<i>Long-term wastewater irrigation progressively reshapes the resistome of agricultural soils</i>	Eduardo Javier Aguilar Rangel	Universidad Nacional Autonoma de Mexico	Mexico
PS2.12.126	<i>Mapping RNA virus diversity in mosquitoes across changing Amazon landscapes</i>	Eddie Fuques	University of California Santa Barbara	United States of America
PS2.12.127	<i>Mechanistic insights into the role of heavy metals, microbes, and mobile elements in shaping antibiotic resistance near a 20-year-old landfill</i>	Huawei Wei	Guizhou Medical University	China
PS2.12.128	<i>Metagenome-assembled genomes demonstrate stable functional diversity despite shifts in taxonomic diversity in mice fed diversified carbohydrate diets</i>	Clara Flores	Clemson University	United States of America
PS2.12.129	<i>Methodological comparison of high throughput screening (HTS) approaches in Finnish wastewater metagenomes</i>	Anastasia Karavaeva		Finland
PS2.12.130	<i>Microbial biomass and diversity across domains of life in a seasonally-hypoxic urban harbor</i>	Luciana Santoferrara	Hofstra University	United States of America
PS2.12.131	<i>Microbial functional diversity and community composition as indicators of reclamation in a Canadian oil sands pit lake</i>	Montserrat Villegas Torres	University of Calgary	Canada
PS2.12.132	<i>Microbial response to Fractured Thermal Energy Storage in Deep Granite Reservoirs</i>	Beatrix Heinze		Switzerland
PS2.12.134	<i>Persistent virus-host relationships among predominantly endemic communities across the urban water cycle in southeast Spain</i>	Jaime Alcorta	Universidad de Alicante	Spain

Poster Board Number	Title	Presenting author	Submitter Affiliation	Country
PS2.12.135	<i>Phyllosphere and rhizosphere microbiome responses of eelgrass (Zostera marina) to marine heatwaves</i>	Courtney Clement		United States of America
PS2.12.136	<i>Rare-Earth Elements Cause Bacterial Growth Inhibition</i>	Roelof Coertze		Sweden
PS2.12.137	<i>Response of lichen microbiomes to experimental warming</i>	Grace Figgess Cocker		New Zealand
PS2.12.138	<i>Seasonal community turnover of protist plant antagonists (Oomycota: Stramenopila and Cercozoa: Rhizaria) along an experimental plant species richness gradient</i>	Maria Koutsaimani		Germany
PS2.12.139	<i>Seasonal Nutrient Inputs Drive Temporal Dynamics of Bacterial and Viral Communities, Functional Potential, and Metabolite Profiles in Estuarine Sediments</i>	Chengyue LI		Hong Kong
PS2.12.140	<i>Seawater microbiome reorganization across consecutive bleaching events in central Red Sea coral reefs</i>	Susana Carvalho	King Abdullah University of Science and Technology (KAUST)	Saudi Arabia
PS2.12.141	<i>Sleep deprivation and stress hormone manipulation alter composition and decrease diversity in the gut microbiotas of common mynas</i>	Carmen Hoffbeck		New Zealand
PS2.12.142	<i>Sludge Amendment Shapes Soil and Ryegrass Root Microbiome Structure and Functional Potential</i>	Lucia Ferrando	Universidad de la República, Uruguay	Uruguay
PS2.12.143	<i>Soil properties mediate herbicide and fungicide effects on soil microbial communities and functions</i>	Jowenna Sim		Australia
PS2.12.144	<i>Sowing the seeds of evolution: Agriculture alters protein evolution of nitrogen cycling genes in soil bacteria globally</i>	Timothy Ghaly		Australia
PS2.12.145	<i>Spatial microbiome dynamics in oligotrophic regulated lakes in response to open-cage aquaculture</i>	Bella Safitri	Swedish University of Agricultural Sciences	Sweden
PS2.12.146	<i>Spatio-Temporal Dynamics of Riverine Microbial Communities During a Large-Scale Human Gathering Event</i>	BHAVUK GUPTA	National Centre for Cell Science	India
PS2.12.147	<i>Spatiotemporal endemism of Arbuscular Mycorrhizal Fungi is linked to soil health status and agricultural intensification</i>	Ditam Chakraborty	North Dakota State University	United States of America

Poster Board Number	Title	Presenting author	Submitter Affiliation	Country
PS2.12.148	<i>The effects of Glyphosate Residues on the Mechanisms of Soil-Earthworm System Interactions</i>	Kai Ding		China
PS2.12.149	<i>The New Owners of Your Trash: Genetic Potential for Plastic Degradation in the Deep Ocean Microbial Plastisphere</i>	Emma Edwards		Australia
PS2.12.150	<i>The Plastisphere as a Functional Biogeochemical Interface</i>	Vincenzo Donnarumma	Università degli studi dell'Insubria	Italy
PS2.12.151	<i>The role of microbial genomes as sentinels of water quality on a semi-enclosed bay in northwest Spain</i>	Alejandro Rodríguez Gijón	Museo Nacional de Ciencias Naturales	Sweden
PS2.12.152	<i>The role of microplastics in shaping microbial communities and biogeochemical processes in seagrass ecosystems</i>	Md Mehedi Iqbal	Nagasaki University	Japan
PS2.12.153	<i>Unveiling the genetic landscape of plastic-associated microbial communities</i>	Jessica Wallbank		Sweden
PS2.12.154	<i>Watershed-scale saltwater intrusion and sea level rise reshape microbial communities and denitrification with implications for coastal watershed models</i>	Colin Finlay		United States of America
PS2.12.155	<i>What's the tea? Labrador tea microbiome, the anthropogenic disturbance indicator for boreal ecosystem health</i>	Tisha Belle A. Halim	University of Calgary	Canada
PS2.12.156	<i>When oil meets ice: Assessing the capacity for microbial oil biodegradation in the Arctic Ocean</i>	Jordan Thakar	McGill University	Canada
PS2.12.157	<i>WWTP effluent disturbance dampens metabolic dependency in coastal sediment microbes</i>	Yunong LI		China