

Poster Board Number	Title	Presenting author	Affiliation	Country
PS2.09.001	<i>2-Aminoimidazoles as biofilm inhibitors to disrupt colonization barriers and manage microbial biofilm communities towards improved bioaugmentation</i>	Huanhuan Xie	KU Leuven	Belgium
PS2.09.002	<i>Active biodegradation of cellulose, hemicellulose and lignin in boreal lakes</i>	Oona Hillg�n		Finland
PS2.09.003	<i>An ensemble of phylogenetically related giant viruses implicated in cryptophyte bloom collapse</i>	Helena Vieira	Biology Centre CAS	Czechia
PS2.09.004	<i>Assessing the impact of sequencing platform on freshwater biofilm metabarcoding</i>	Meri Anderson	UK Centre for Ecology and Hydrology	United Kingdom
PS2.09.005	<i>Assessment of water quality and microbial diversity across different land use areas in the Taojia River, China</i>	Jun Wang		China
PS2.09.006	<i>Characterizing the impact of River Alkalinity Enhancement (RAE) on the water and sediment microbial communities in a Nova Scotian river</i>	Maggie Hosmer		Canada
PS2.09.007	<i>Climate warming reshapes diversity, composition, and network organization of tropical freshwater bacterial communities</i>	Daniel Penna	UNICAMP	Brazil
PS2.09.008	<i>Community dynamics of free-living and particle-associated bacteria during a cyanobacterial bloom in two �t�kou lakes</i>	Nicole Heaton		New Zealand
PS2.09.009	<i>Coverage-weighted module frequency reveals metabolic restructuring of a freshwater microbiome under rainfall extremes</i>	Marcele Laux	University of S�o Paulo	Brazil
PS2.09.010	<i>Depth- and season-driven changes in microbial, viral, and genomic diversity in drinking water reservoirs</i>	Julia Nuy	University of Duisburg-Essen	Germany
PS2.09.012	<i>Disentangling hydrology from ecology: a multi-scale approach to mechanistic microbial community assembly in the terrestrial subsurface</i>	Caitlin Chiang	Lawrence Berkeley National Laboratory	United States of America
PS2.09.013	<i>Microbial community dynamics across hydrologically connected freshwater sources in an arid river basin</i>	Maria Jose Uribe Perez	Northern Arizona University	United States of America

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PS2.09.014	<i>Ecological Differentiation and Metabolic Adaptation of Microbial Communities in the Ramsar Wetlands of Jeju's Volcanic Ecosystem</i>	Hyung-gwan Lee	Korea Research Institute of Bioscience and Biotechnology	Korea, Republic of
PS2.09.015	<i>Environmental filtering structures microbial eukaryote biogeography along oxygen gradients in Arctic and Antarctic freshwater environments</i>	Archie Clarkson	University of Exeter	United Kingdom
PS2.09.016	<i>Finding driver species in microbiome dynamics</i>	Hiroaki Fujita		Japan
PS2.09.017	<i>Free chlorine enhances bacterial invasion and conjugative transfer of antibiotic resistance genes in biofilms</i>	Yujie Li		Australia
PS2.09.018	<i>From lentic to flow-adapted microbes: short-term riverine bacterial reassembly after weir opening in the Nakdong River</i>	Shaheen Akhtar	National Korea Maritime and Ocean University	Korea, Republic of
PS2.09.019	<i>Gradual hydrological transitions suppress microbial enzyme activities more than typhoon disturbance in a monsoon-dominated small mountainous river</i>	Tzu-Hsuan Tu	National Sun Yat-sen University	Taiwan, Province of China
PS2.09.020	<i>How Does Diel Vertical Migration Shape Microbiome Composition in Aquatic Grazers?</i>	Riley Manuel	University of Michigan, Ann Arbor	United States of America
PS2.09.021	<i>Identifying specific Microcystis genomic clusters to analyze complicated bloom dynamics in freshwater lakes</i>	David Niknejad	University of Southern California, Los Angeles	United States of America
PS2.09.022	<i>Impacts of Metal Contamination on Aquatic Microbial Systems</i>	Christine Gleicher		United States of America
PS2.09.023	<i>Integrating bacterial and eukaryotic food webs under oligotrophic and eutrophic regimes in the Laurentian Great Lakes (USA)</i>	Aldo Arellano	University of Michigan	United States of America
PS2.09.024	<i>Intraguild predation reshapes microbial food-web diversity and stability</i>	Huabing Li	Nanjing Institute of Geography and Limnology, Chinese Academy of	China
PS2.09.025	<i>Isolation, comparative genomics, and viruses of three closely related cryptomonads</i>	Paul-Adrian Bulzu	Biology Centre (CAS)	Czechia

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PS2.09.026	<i>Life in the clouds: Viral predation and adaptive strategies in atmospheric microbial ecosystems</i>	Janina Rahlff	Linnaeus University	Germany
PS2.09.027	<i>Linking microbes to biogeochemical processes in stormwater treatment ponds</i>	Forrest Lefler	University of Florida	United States of America
PS2.09.028	<i>Long-term patterns of specific protist lineages in hypolimnion of freshwater lakes and reservoirs</i>	Vojtěch Kasalický	Biology Centre CAS	Czechia
PS2.09.029	<i>Managing aquatic microbial dynamics using nonlinear time series analysis and quantitative environmental DNA monitoring</i>	Masayuki Ushio	Hong Kong University of Science and Technology	Hong Kong
PS2.09.030	<i>Metapangenomics reveal intra-species diversity patterns for freshwater bacteria</i>	Jay Håkansson	Swedish University of Agricultural Sciences	Sweden
PS2.09.031	<i>Methane production based on microbes-minerals electrochemical symbiosis occurs in tidal flat deep sediment</i>	Yuto Nakamura		Japan
PS2.09.032	<i>Microbial and management triggers of greenhouse gas emissions in agricultural drainage systems</i>	Lori Phillips	Agriculture and Agri-Food Canada	Canada
PS2.09.033	<i>Microbial carbon and nitrogen cycling in deep oligotrophic lakes</i>	Maureen Coleman	University of Chicago	United States of America
PS2.09.034	<i>Microbial community assembly across a large river reflects conserved processes under variable nutrient regimes</i>	Michael Henson		United States of America
PS2.09.035	<i>Microbial Community Dynamics and Functional Potential in Shallow Finnish Groundwater Aquifers</i>	Katharina Kujala	Natural Resources Institute of Finland	Finland
PS2.09.036	<i>Microbial life between sand and water: spatial structuring in ephemeral freshwater lagoons of a Brazilian coastal dune system</i>	Ana Carolina de Araújo Butarelli	University of Sao Paulo	Brazil
PS2.09.037	<i>Mixture toxicity of the cyanotoxins anatoxin-a and guanitoxin in fish</i>	Larissa Passos	University of São Paulo	Brazil

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PS2.09.038	<i>Molecular and morphological identification of eukaryotic microalgae isolated from urban waters for bioremediation</i>	Pierangeli Vital	University of the Philippines	Philippines
PS2.09.039	<i>Monitoring and remediation of harmful algal blooms in Montana, USA reservoirs</i>	Calvin Goemann	Carroll College	United States of America
PS2.09.040	<i>Multi-Omics Microbial Indicators and Machine-Learning Models for River Ecosystem Health Assessment</i>	Chi-Yong Ahn	Korea Research Institute of Bioscience and Biotechnology	Korea, Republic of
PS2.09.041	<i>Polinton-like virus expansion in isolated oomycete genomes suggests past giant virus interactions</i>	Caio Cesar Pires de Paula	Biology Centre CAS	Czechia
PS2.09.042	<i>Response of mobile genetic elements to multiple stressors in river sediments</i>	Rena Sophie Andraes		Germany
PS2.09.043	<i>Riverbed biofilms as indicators of pollution sources in rivers subject to different land use</i>	Erin Doyle	Cranfield University	United Kingdom
PS2.09.044	<i>Sedimentary DNA reveals a shift from climate- to human-driven cyanobacterial community dynamics in a tropical lake</i>	Jin XU		China
PS2.09.045	<i>Sulfolipid-mediated maintenance of Photosystem II integrity promotes cellular longevity in <i>Microcystis aeruginosa</i></i>	Woojun Park	Korea University	Korea, Republic of
PS2.09.046	<i>Temporal shifts in dynamics of ciliate communities in different strata of freshwater reservoir during spring and summer blooms</i>	Usman Asghar	University of South Bohemia & HBU	Czechia
PS2.09.047	<i>The genomic basis of key traits in the success of a harmful cyanobacterium points to the importance of nitrogen loading in freshwater watershed management</i>	Yu-Cheng (Marvin) Lin	University of Michigan, Ann Arbor	United States of America
PS2.09.048	<i>The Riverine Plastisphere Adrift Amid Concrete Jungles</i>	Jonas Stadfeld		Canada
PS2.09.049	<i>Tracing groundwater flow with amplicon and shotgun DNA sequencing</i>	Shokoufeh Manouchehr		Netherlands

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PS2.09.050	<i>Urban Water Cycle as a Meta-Ecosystem: Engineered Selection and Structured Persistence of Potential Pathogens</i>	Rasindu Galagoda		Japan
PS2.09.051	<i>Viral succession tracks the rise and fall of a spring bloom in pre-Alpine Lake Constance</i>	Yi Zhang		China
PS2.09.052	<i>Warming effects on pelagic carbon metabolism is related to substrate composition and bacterioplankton community history</i>	Peng Xing	Chinese Academy of Sciences	China
PS2.09.053	<i>Why Do BD1-5 Bacteria of the Candidate Phyla Radiation Use a Different Genetic Code?</i>	Nethmi Warushapperuma		Canada