

Poster Board Number	Title	Presenting author	Affiliation	Country
PS1.08.364	<i>Asymmetric Evolutionary Stability of Methyl Coenzyme M Reductase Across Methanogenic Archaea</i>	Mio Matsumoto		Japan
PS1.08.365	<i>A Taxonomic and Metabolic Blueprint for the Phylum "Zixibacterota"</i>	Aman Verma		Canada
PS1.08.366	<i>Differential expression responses of a conductive-particle-obligate consortium to particle depletion and changes in particle type</i>	Ana Karina Hernandez Garcia	University of Southern Denmark	Denmark
PS1.08.367	<i>Exploring rare earth elements tolerance and potential use in bacterial isolates from northern environments</i>	Tiina Väyrynen		Finland
PS1.08.368	<i>Ferrous Iron Overcomes the Denitrification Bottleneck by Driving Synergistic Biotic and Abiotic Nitrogen Removal</i>	Yiran Dong	China University of Geosciences, Beijing	China
PS1.08.369	<i>Geomicrobiological considerations for implementation of a deep geological repository for used nuclear fuel storage</i>	Rachel Beaver	University of Waterloo	Canada
PS1.08.370	<i>Geomicrobiological Response to Stimulated Fault Activation in Deep Crystalline Aquifers</i>	Zhe Wang	ETH Zurich	Switzerland
PS1.08.371	<i>Illuminating the iron-oxidizing physiology and metabolism of a highly novel photosynthetic bacterium</i>	Jackson Makoto Tsuji	Wilfrid Laurier University	Canada
PS1.08.372	<i>Mechanistic insights into plant-microbe interaction-driven nickel mobilization in the <i>Artemisia</i> spp. rhizospheric microenvironment</i>	Suproakash Koner	Tohoku University	Japan
PS1.08.373	<i>Metabolic and molecular insights into microbially induced calcite formation in <i>Solibacillus silvestris</i></i>	Michael Seidel	Johannes Gutenberg University Mainz	Germany
PS1.08.374	<i>Microbial controls on limestone dissolution and secondary calcite formation in a proglacial environment</i>	Ireneusz Badura	University of Warsaw	Poland

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PS1.08.375	<i>Microbial survival and biomineralization on atmospheric dust: implications for global carbon and element cycling</i>	Ella Lahav	Technion - Israel Institute of Technology	Israel
PS1.08.376	<i>Mineral-hosted microbial enrichments in geothermal fumaroles of Mt. Erebus, Antarctica</i>	Caleb Rosen		United States of America
PS1.08.377	<i>Novel Antarctic chemolithotroph drives iron biomineralization</i>	Jihyun F. Kim	Yonsei University	Korea, Republic of
PS1.08.378	<i>Interchangeability of multi-heme cytochromes as extracellular electron transfer conduits across mineral-respiring microbes</i>	FNU Sukrampal	University of Southern California, Los Angeles	University of Southern California, United States
PS1.08.379	<i>Removal of hexavalent chromium by a microbial mat from a mining site under anaerobic conditions</i>	Raeid Abed	Sultan Qaboos University	Oman
PS1.08.380	<i>Substrate-driven shifts in vanadate-reducing microbial communities in vanadium-bearing mine tailings</i>	So-Jeong Kim	Korea Institute of Geoscience and Mineral Resources	Korea, Republic of
PS1.08.381	<i>Sulfate-reducing bacteria in Arctic marine sediments exhibit the potential for diesel biodegradation</i>	Oyeboade Adebayo	University of Calgary	Canada
PS1.08.382	<i>Sulfur-Based Life in the Upside Down:</i>	Michael McCormick	Hamilton College	United States of America
PS1.08.383	<i>The Role of Microbes in Ferromanganese Nodule Formation in the East Siberian Sea</i>	Yeonjin Noh	Gyeongsang National University	Korea, Republic of
PS1.08.384	<i>Toward Engineered Living Materials in Seawater</i>	Tim Cusens		Australia