

Poster Number	Name	Poster Title
4	Mehnaz Bushra Hamid	Evaluating Biological Nitrification Inhibitors On Methanotrophic Bacteria
10	Hokwan Heo	Hydrogen-dependent dissimilatory nitrate reduction to ammonium enables growth of <i>Campylobacterota</i> isolates
12	Daniel McCoy	Ecological Dynamics and Interactions Govern N <sub>2</sub> O Production in Oxygen-minimum-zones
14	Melissa Lenhardt	Can Secondary Metabolites in <i>Plantago lanceolata</i> Reduce Nitrogen Losses from Agroecosystems?
18	Birch Maxwell Lazo-Murphy	Fungal N <sub>2</sub> O production pathways hypothesized from stable isotope and transcriptomic analyses
20	Shuto Ikeda	The Culture Supernatant of Difficult-to-cultivate <i>Nitrosomonas</i> sp. PY1 Modulates Its Cell Division Timing and Enhances Cultivability.
26	Gesa Schulz	Nitrogen Cycling, Nitrogen Loss and Nitrate Stable Isotopes in the East Equatorial Indian Ocean and Bay of Bengal
28	Minho Lee	Fluctuations in nitrifier biomass density as a potential driver of seasonal variations in N <sub>2</sub> O emissions from activated sludge nitrification
30	Paraskevi Amanatidou	Assessing the nitrification inhibition potential of <i>Trigonella foenum-graecum</i> under varying ammonium sources and concentrations
34	Claudia Frey	Understanding nitrite oxidation patterns in the water column of Lake Lugano
36	Cheng-Ying Jiang	Metagenomic analysis reveals nitrogen cycle in acid mine drainage
38	Fabian Beecman	Soil-based high-throughput screening assay identifies new biological nitrification inhibitors
40	Xiangwu Yao	Methane-dependent complete denitrification by a single <i>Methylomirabilis</i> bacterium
44	Jana Härrri	Impact of the El Niño-Southern Oscillation on Marine Nitrous Oxide Emissions in the Eastern Tropical Pacific
46	Alexia Antoniou	Currently proposed biological nitrification inhibitors show low activity in agricultural soils
50	Jeseth Delgado Vela	Unraveling the effects of exogenous autoinducers and quorum quenching on nitrogen metabolism in wastewater nitrifying enrichments
52	Laure ANNETTA	Parameters Affecting Nitrification Inhibition Efficiency: Insights From A Study Across More Than 30 Soils
54	Andrea Kosier	Investigating Interspecies Competition of Ammonia Oxidizers in a Flux-Controlled Setup
56	Takahiro Watari	Nitrification in down-flow hanging sponge reactors driven by Comammox?: Performance and Microbial Insights
60	Francesca Vulcano	Dynamics of AOA and AOB in a freshwater bioreactor from Lake Constance
64	Pascal Huizing	Characterization of nitrifying fish gill endosymbionts
68	Dimitrios Dalkidis	Dissecting the Physiological Effect of Nitrification Inhibitors in <i>Nitrososphaera viennensis</i> via Time-Resolved Omics Approaches
72	Yueyue Si	Active Microbial Nitrogen Cycling in a Subsurface Serpentinizing System
74	Mingsheng Jia	Unlocking the potential of comammox <i>Nitrospira</i> for more sustainable and efficient nitrogen removal
76	Mei Zhi	Coupled Abiotic-Biotic Dinitrogen Gas Production during Heterotrophic Nitrification by <i>Alcaligenes faecalis</i>
78	Tomas Herrera Durigneux	Biological Nitrification Inhibition (BNI) by Forest Tree Species: From the Identification of Active Compounds to the Effects on Nitrifying Communities and Soil Functioning
82	Xiaotang Ju	The important role of nitrite to produce N <sub>2</sub> O in upland agricultural soils
84	Shino Sakamuki	Viable but non-culturable (VBNC) state and uncultivability focusing on morphological features of <i>Nitrospira</i> sp. ND1
86	Kolovou Maria	Bridging Synthetic Microbial Ecology and Microbial Ecotoxicology: Using nitrifiers SynComs for a more ecologically relevant lower tier assessment of the toxicity of pesticides on soil microorganisms
94	Hirotsugu Fujitani	Comparative morphology, physiology, and genomics of novel ammonia-oxidizing <i>Nitrosospira</i> clade
98	SHUJI KAWAKAMI	Microbial Community Shifts and Nitrogen Removal Performance During Aerobic Denitrification at Different DO Concentrations
100	Purna Kumar Khatri	Identifying novel metabolite candidates as biological nitrification inhibition in wheat
102	Marcus A. Horn	Soil denitrifier community structure shapes apparent Michaelis-Menten kinetics of nitrate reduction and nitrous oxide consumption
104	Chathuranga De Silva	Comparing Forage Legumes and Grass on the Abundance of Nitrogen Cycling Genes in Prairie Grassland Ecosystems
106	Krishnapriya Thiyagarasaiyar	Seasonal Variation of N <sub>2</sub> O Exchange in Boreal Drained Peatland Forest: Influence of Nitrifier and N <sub>2</sub> O Reducer Activity in Tree Stems and Phyllosphere
110	Anne-Maëlle Penot	The aerobic-anoxic switch determines the N <sub>2</sub> O consumption rate in <i>Comamonas</i> denitrifiers.
112	Jan Jansa	Disentangling mycorrhiza-nitrification interactions in soil by using synthetic nitrification inhibitors
114	Valeria Medina Cordova	Intensified Nitrification Associated with <i>Posidonia oceanica</i> Seagrass Meadows
116	Mertcan Esti	DIVERSE NITROGEN-FIXING RHIZOBIA-DIATOM SYMBIOSES ARE COSMOPOLITAN IN THE WORLD'S OCEANS
118	Elena Papadopoulou	Assessment of the persistence and dissipation of biological nitrification inhibitors in a range of soils
120	Jianhua Guo	Anaerobic short-chain gaseous alkane oxidation coupled to nitrate reduction
128	Carolyn Otersen	Enrichment of ammonia and nitrite oxidizers associated with <i>Posidonia oceanica</i>
130	Farooq Moin Jalaluddin	Microenvironments on individual sand grains enhance nitrogen loss in coastal sediments
132	Marcel Malinowski	Characterization of a novel <i>Nitrococcus</i> species from a Marine Recirculating Aquaculture System
134	Senwei Tong	Kinetic Characterization of Reactive Nitrogen Intermediates in Nitrification
142	Parker B. Lawrence	SEASONALITY OF NITRIFYING MICROBIAL COMMUNITIES IN ESTUARIES ALONG THE SOUTHEASTERN USA COAST
146	Shannon M. Brown	Development of Hydroponic Growth Media for the Study of Plant-Nitrifier Interactions Coculture Strategies for Nitrifiers and <i>Solanum lycopersicum</i>
150	Toshikazu Suenaga	Nitrogen removal performance and microbial community of a hydrogen-based sand filter bioreactor with a hollow fiber membrane
154	Akiko Makabe	Ammonium isotopic evidence for nitrification in the subarctic Pacific Ocean
162	Evangelia Papadopoulou	A high-throughput screening platform for the discovery of biological nitrification inhibitors in plant germplasm
166	Akihiko Terada	Low N <sub>2</sub> O emissions by a Cluster 7 ammonia-oxidizing bacterium harboring qnrB: Insights from 15N tracer and genomic analyses
168	Annette Bollmann	Effect of starvation on gene expression in <i>Nitrosomonas</i> sp. Is79
172	Chase Gray	Exploring controls on nitrogen and oxygen isotope effects of archaeal ammonia oxidation
180	Abiel T Kidane	Iron uptake leads to divergent responses in nitrogen-fixing cyanobacteria in the oligotrophic ocean
186	Zhiyao Wang	Nitric oxide facilitates aerobic denitrification via establishing a metabolically anoxic environment