

Presenting	Program Code	Title	Session
Lynette Abbott	P1	How influential is the common mycorrhizal network in nutrient transfer?	1 Mon 12:45-14:00
Bartosz Adamczyk	P2	How interaction between fungi and plant- derived polyphenolics contributes to soil carbon stabilization?	2 Tue 12:45-14:05
Bartosz Adamczyk	P3	Plant-associated microbes use a different pathway to decompose soil organic matter than free-living saprotrophic microorganisms.	3 Wed 13:10-14:30
Sylwia Adamczyk	P4	The potential role of plant secondary metabolites in carbon and nitrogen cycling in boreal forest soils	1 Mon 12:45-14:00
Alexey Afonin	P5	Bacterial genetic features determining the strain specificity of Pisum sativumline P61 interaction withRhizobium leguminosarum	2 Tue 12:45-14:05
Oscar E. Aguinaga	P6	Peatland provides metal remediation by preserving microbial diversity and facilitating microbial Fe and S oxidation	3 Wed 13:10-14:30
Saija Ahonen	P7	Soil microbial communities in subarctic mountain birch forests in two reindeer grazing regimes recovering from a severe moth herbivory	1 Mon 12:45-14:00
Jūratė Aleinikovienė	P8	Determination of Changes in Soil Microbiota of Different Soil Genesis and of Long-Term Diverse Soil Use Intensity	2 Tue 12:45-14:05
Rana Shahbaz Ali	P9	Response of microbial growth to substrate complexity under different temperature regimes	3 Wed 13:10-14:30
Dalia Ambrazaitienė	P10	Microbial activity in relation to changing soil chemical and physical properties	1 Mon 12:45-14:00
Fuad Ameen	P11	Degradation of azo dyes by fungi inhabiting contaminated soil: Optimization of the degradation conditions with the view to bioremediation	2 Tue 12:45-14:05
Roey Angel	P12	New insights into the origin and role of biological rock crusts in rock weathering processes	3 Wed 13:10-14:30
Wassila Riah-Anglet	P13	Introduce grassland in crop rotation, a way to restore microbialdiversity and soil function	1 Mon 12:45-14:00
Agnès Ardanuy	P14	The physiology of plant soil feedbacks in temperate tree species	2 Tue 12:45-14:05

Floriana Augelletti	P15	Bioaugmentation with fluorene-degrading <i>Sphingobium</i> sp. strain LB126: role of biodiversity of resident communities on establishment and survival of the invader	3 Wed 13:10-14:30
Olubukola Oluranti Babalola	P16	Some vast assemblage of archaea in termiteria	1 Mon 12:45-14:00
Olubukola Oluranti Babalola	P17	The varied assemblages of fungi on termite mounds	2 Tue 12:45-14:05
Doreen Babin	P18	Impact of long-term farming practices on the rhizosphere microbiome and plant health	3 Wed 13:10-14:30
Luciana Bachega	P19	Soil microbial community in an ecosystem succession chronosequence of tropical riparian forests	1 Mon 12:45-14:00
Gyeryeong Bak	P20	The characteristics of soybean(<i>Glycine max</i>) cultured soil with high microorganism activities on Saprolite soil	2 Tue 12:45-14:05
Saka Adebayo Balogun	P21	Shiga Toxin Producing stx I and II genes in <i>Escherichia Coli</i> O157: H7 from Domesticated Cane Rat (<i>Thryonomys swinderianus</i>).	3 Wed 13:10-14:30
Lorena Carrasco-Barea	P22	Litter decomposition of three halophytic species in a Mediterranean salt marsh: influence of leaf chemical quality and edaphic heterogeneity	1 Mon 12:45-14:00
Milan Bartos	P23	MYCOBACTERIA IN THE MICROBIOMES OF HRANICE ABYSS AND ZBRASOV ARAGONITE CAVES (HRANICE KARST, CZECH REPUBLIC)	2 Tue 12:45-14:05
Capucine Baubin	P24	The role of petrichor in desert soil microbial communities resuscitation during a rain event	3 Wed 13:10-14:30
Arifa Beddiar	P25	Arbuscular mycorrhizal fungi enhance industrial tomato growth and production and compensate reduced fertilization levels in an Algerian field soil	1 Mon 12:45-14:00
Jennifer Bell	P26	Microbial Community Assembly Processes in a Grassland Undergoing Invasion	3 Wed 13:10-14:30
Helene Berthold	P27	Consequences of climate change on PFLAs (Phospholipid Fatty Acids) in lysimeters of agricultural soils in the Pannonian area of Austria	2 Tue 12:45-14:05
Rebecca Bevans	P28	The Microbial Mediation Model: linking microbial communities, litter traits, and soil carbon cycling via community-level physiology.	1 Mon 12:45-14:00

Evgenia Blagodatskaya	P29	Single microbial population controls energy and carbon use efficiency during growth and starvation in soil	2 Tue 12:45-14:05
Ewa Błońska	P30	Soil biochemical properties and stabilization soil organic matter in relation to deadwood of different tree species	3 Wed 13:10-14:30
Ewa Błońska	P31	The C:N:P stoichiometry of deadwood of different decomposition rate and tree species	1 Mon 12:45-14:00
R.S. Boeddinghaus	P32	Short-term changes in grassland soil microbial function and composition are explained by concurrent shifts in plant functional traits	2 Tue 12:45-14:05
R.S. Boeddinghaus	P33	Microbial colonization of organo-mineral complexes and microbial resource partitioning in grassland soils under different land-use intensities	3 Wed 13:10-14:30
Sophie Zechmeister-Boltenste	P34	Nitrogen addition to temperate forests lead to changes in microbial community structure and function	1 Mon 12:45-14:00
Hanka Brangsch	P35	Ecological functions of two putative Streptomyces phosphinothricin N- acetyltransferases	2 Tue 12:45-14:05
Alfonso Méndez-Bravo	P36	Microbial interactions in the avocado rhizosphere: pathogenic fungi and plant growth-promoting bacteria with antifungal activity	3 Wed 13:10-14:30
Andreas Breidenbach	P37	Impact of pasture degradation on the structure and function of microbial communities on the Tibetan Plateau	1 Mon 12:45-14:00
Betânia Guedes Souza e Brito	P38	Decomposition Parameters Using the TBI Method in Two Cerrado Environments in Southeast Brazil	2 Tue 12:45-14:05
Juan Antonio Campos	P39	Microbiological activity and plant colonization patterns in a so long abandoned sulfide mine precinct	3 Wed 13:10-14:30
Michael Carson	P40	Culturing techniques in the age of omics: Strategies for obtaining uncultured soil microorganisms and genomes from environmental samples	1 Mon 12:45-14:00
Carmen Trasar-Cepeda	P41	Microbial biomass C and C mineralisation of a seaweed-gorse substrate	2 Tue 12:45-14:05
Carmen Trasar-cepeda	P42	Impact of the ionic liquid [C1C1Im] [DMP] on soil microbial activity in a forest soil	3 Wed 13:10-14:30
Dorkrak Chaisarn	P43	Effect of Plant Growth Promoting Endophytic Bacteria on Riceberry Rice	1 Mon 12:45-14:00

Timofey Chernov	P44	Comparison of buried and surface soils microbiomes by qPCR and NGS	2 Tue 12:45-14:05
Vivek Kumar Choudhary	P45	Bacterial typing of rhizospheric communities of the <i>Thysanotlæna latifolia</i> (Roxb. ex Hornem.) Honda., fam. Poaceae., associated with iron ore mines	3 Wed 13:10-14:30
Alica Chroňáková	P46	Increasing bacterial contribution in the nitrification following turf disturbances of the translocated wet meadows	1 Mon 12:45-14:00
Lucie Cihlářová	P47	The effect of plants with different mycorrhizal preferences on soil fungal community composition	2 Tue 12:45-14:05
Anna Clocchiatti	P48	Stimulating saprotrophic fungi in agricultural soils	3 Wed 13:10-14:30
Irene Cordero	P49	Strong legacy effects of intense and frequent droughts on soil microbial community structure and function	1 Mon 12:45-14:00
Ohana Y. de Assis Costa	P50	Optimization of growth and EPS production of two strains of Acidobacteria	2 Tue 12:45-14:05
Valentine Cyriaque	P51	Following the impact of metals on river sediments in microcosms: metals as a community manager	3 Wed 13:10-14:30
Evi Deltedesco	P52	Increases in temperature and atmospheric CO ₂ can induce shifts in soil microbial communities	1 Mon 12:45-14:00
Timo Domisch	P53	Effects of repeated water-logging periods during the growing season on soil conditions and Scots pine seedlings	2 Tue 12:45-14:05
Anna Maria Fiore-Donno	P54	Small-scale spatial structure of a major group of soil protists (Cercozoa, Rhizaria) in a temperate grassland revealed by high- throughput sequencing	3 Wed 13:10-14:30
Laila Dubova	P55	Soil microbiological activity in differently cultivated Faba bean (<i>Vicia faba</i> L.) fields	1 Mon 12:45-14:00
Pravinkumar Dudhagara	P56	Cross-biome Metagenomic Assessment of Saline Soil Microbial Communities of Kutch Desert, India	2 Tue 12:45-14:05
Konrad Egenolf	P57	Heterotrophic nitrate immobilization – a neglected variable in crop BNI performance?	3 Wed 13:10-14:30
Lill Eilertsen	P58	Defining sustainable and economic forestry practices with minimal impact on soil biodiversity and maximum benefits for tree growth	1 Mon 12:45-14:00
Dana Elhottová	P59	Interaction of manure, soil and bacteria in spreading of resistance to antibiotics	2 Tue 12:45-14:05

Marcia Astorga-Eló	P60	Rhizobacterial community composition and potential PGPR associated to the Flowering Desert phenomenon in the Atacama Desert, Chile.	3 Wed 13:10-14:30
Ángeles Prieto-Fernández	P61	Assisted phytostabilization of Cu- contaminated mine-soil using combinations of soil amendments and bioinoculants	1 Mon 12:45-14:00
Ángeles Prieto-Fernández	P62	Rhizosphere bacterial communities of Ni-hyperaccumulating plants in ultramafic soils analysed using traditional isolation and culture independent techniques	2 Tue 12:45-14:05
Violeta Angulo Fernández	P63	Designing microbial inoculants that improve the ability of compost amendments to restore degraded soils	3 Wed 13:10-14:30
Hanna Friberg	P64	Fungal communities in winter wheat – effects of cropping practices	1 Mon 12:45-14:00
Yu Fukasawa	P66	Foraging association between myxomycetes and fungal communities on coarse woody debris	3 Wed 13:10-14:30
Talia Gabay	P67	Bacterial communities of rehabilitated biological soil crusts in desert phosphate mines	1 Mon 12:45-14:00
Sara Gallego	P68	Ecotoxicological effects of wastewater borne contaminants on microbial communities from soils previously exposed to pesticides.	2 Tue 12:45-14:05
Sara Gallego	P69	Ecotoxicological impact of oxamyl on the abundance and diversity of bacterial communities in an agricultural soil adapted to enhanced degradation.	3 Wed 13:10-14:30
Carlos Garbisu	P70	Rhizoremediation of mixed contaminated soil using Brassica napus and a bacterial consortium	1 Mon 12:45-14:00
Carlos Garbisu	P71	Antibiotic resistant genes in agricultural soil amended with sewage sludge	2 Tue 12:45-14:05
Richard Gere	P72	Functional diversity of soil microorganisms in natural and managed forest ecosystems: influence of forest stand age and tree species	3 Wed 13:10-14:30
Júlia Brandão Gontijo	P74	Linking archaeal diversity to potential functions in Amazonian wetlands' sediments	1 Mon 12:45-14:00
Juan M. Gonzalez	P75	Influence of soil temperature and water content on microbial extracellular enzyme activities	2 Tue 12:45-14:05
Nina Goodey	P76	Distribution of soil extracellular phosphatase activity across soil macro – and micro-environments	3 Wed 13:10-14:30

Adrian Gorecki	P77	Bacterial plasmids and their ecological role in Arctic permafrost environment	1 Mon 12:45-14:00
Sue Grayston	P78	Nutrient availability and vegetation cover as drivers of fungal diversity in reconstructed oil-sands soils and natural boreal forest soils.	2 Tue 12:45-14:05
Timothy Philpott, Sue Graysto	P79	Fine-root decomposer fungi are largely decoupled from dominant vegetation and edaphic gradients through secondary succession	3 Wed 13:10-14:30
Paola Grenni	P80	Assessment of the natural microbial community in a cattle manure-amended soil in presence/absence of the antibiotic sulfamethoxazole	1 Mon 12:45-14:00
Florian Gschwend	P81	Next-generation soil quality monitoring	2 Tue 12:45-14:05
Heng Gui	P82	Funneliformis mosseae alters soil fungal community dynamics and composition during litter decomposition	3 Wed 13:10-14:30
Esther Guillot	P83	With or without tree: What impact of a Mediterranean agroforestry system on microbial biomass CNP in drought stress conditions?	1 Mon 12:45-14:00
Esther Guillot	P84	Decomposers' activity along a spatial gradient in a Mediterranean agroforestry system	2 Tue 12:45-14:05
Lenka Harantova	P85	Composition of soil and root-associated bacterial communities along plant diversity gradient	3 Wed 13:10-14:30
Juho Hautsalo	P86	Inclusion of mycorrhizal symbiosis could reform the phosphorus fertilization of strawberry	1 Mon 12:45-14:00
Petra Havlíčková	P87	Effects of vegetation and chemistry on diversity and composition of bacterial community across temperate montane forests	2 Tue 12:45-14:05
Bobbi Helgason	P88	Diverse crop rotations impact the root microbiome and soil microbial processes	3 Wed 13:10-14:30
Pirjo Yli-Hemminki	P89	Enrichment of plant growth promoting bacteria and fungi by means of crop rotation and organic matter amendments in field soil	1 Mon 12:45-14:00
Nirmalee Bhagya Wijayalath H	P90	Impact of top canopy Scots pine harvesting on soil fungal communities and litter decomposition in a primary successional site.	2 Tue 12:45-14:05
Bridget Hilbig	P91	Exploring soil biological complexity across different urban agroecosystems on the Wasatch Front	3 Wed 13:10-14:30

Martin Brtnicky, Jiri Holatko, J	P92	Effect of differently changed biochar on cornerstones of Soil Food Web	1 Mon 12:45-14:00
Adrian Ho	P93	Effect of salt stress on aerobic methane oxidation and associated methanotrophs; a microcosm study.	2 Tue 12:45-14:05
Martin Brtnicky, Jan Hladky, Ji	P94	Effect of different soil types of organic matter application on biological parameters of soil	3 Wed 13:10-14:30
Chien-Jui Huang	P95	Bacillus subtilis F29-3 produces a novel polyketide compound to promote plant growth and its interplay with fengycin and surfactin	1 Mon 12:45-14:00
Anna-Sofia Hug	P96	Implementing metabarcoding of soil microbial communities into a long-term soil monitoring network	2 Tue 12:45-14:05
Nan Hui	P97	Urban green space, human microbiome and immune-mediated diseases – comparisons between urban and rural elderly in the Lahti region	3 Wed 13:10-14:30
Jenni Hultman	P98	epicPCR to study host range of antibiotic resistance genes	1 Mon 12:45-14:00
Zander Rainier Human	P99	Seasonal changes of bacterial and fungal communities in Picea abies forests	2 Tue 12:45-14:05
Karoliina Huusko	P100	Carbon to agricultural fields: Impacts of organic soil amendments on soil microbes and transformation of soil organic matter	3 Wed 13:10-14:30
Hussein I. Ibrahim	P101	Impact of Polycyclic Aromatic Hydrocarbons (PAHs) on Active Naphthalene-Degrading Bacteria in Urban Soils	1 Mon 12:45-14:00
Heribert Insam	P102	Reclamation of acid soils with biomass ashes from pyrolytic wood liquefaction	2 Tue 12:45-14:05
Heribert Insam	P103	Old foes and novel suspects lead to an extended model of apple replant disease	3 Wed 13:10-14:30
Jan Jansa	P104	Arbuscular mycorrhiza facilitated phosphorus acquisition by Medicago truncatula even under severe drought	1 Mon 12:45-14:00
Mayuko Jomura	P105	Response to environmental stresses of decomposition respiration and microbial biomass of dead wood inoculated with Lentinula edodes	2 Tue 12:45-14:05
Jaanis Juhanson	P106	Microbial communities are not linked to vegetation changes induced by long-term warming across the Arctic	3 Wed 13:10-14:30
Jaanis Juhanson	P107	Plant species and elevation shape composition and phylogenetic diversity of root-associated bacterial communities	1 Mon 12:45-14:00

Robert Kahle	P108	Elevated Temperature Changes the Ratio between Auto- and Heterotrophic Soil Respiration in an Agroecosystem	2 Tue 12:45-14:05
Ida Karlsson	P109	Unravelling the role of protists in microbial networks in agricultural soil	3 Wed 13:10-14:30
Marta Domżał-Kędzia	P110	Production of levan by newly isolated Bacillus strains from Eisenia fetida microflora.	1 Mon 12:45-14:00
Katharina Keiblinger	P111	Cu application disrupts the bacterial community structure and the soil N cycle	2 Tue 12:45-14:05
Lee Kerkhof	P112	Bacterial rRNA operon profiling of Arctic tundra soils by Oxford Nanopore MinION sequencing	3 Wed 13:10-14:30
Muawwar Ali Khan	P113	Microbial community structure of biochar enhanced sandy soil in response to altered physicochemical properties	1 Mon 12:45-14:00
Munawwar Ali Khan	P114	Bacterial community structure of sandy soil treated with green compost, composted sludge and compost with bio- fertilizer	2 Tue 12:45-14:05
Heikki Kiheri	P115	Effects of 15 Years of Nutrient Addition on Ericoid Mycorrhizal Colonization at Whim Bog	3 Wed 13:10-14:30
Oili Kiikkilä	P116	In situ phytoremediation of soil polluted with both oil and heavy metals; the function of the rhizosphere microbes of Populus sp.	1 Mon 12:45-14:00
O. Janne Kjønaas	P117	How does tree species change affect forest soil C stocks, C mineralization rates, organic matter stability and microbial diversity?	2 Tue 12:45-14:05
Jenna Knuutinen	P118	Interaction of nickel with bacteria isolated from a nutrient-poor boreal bog	3 Wed 13:10-14:30
Mikuláš Kočiš	P119	The microbial community of cambisol at plots with different land use	1 Mon 12:45-14:00
Petr Kohout	P120	Role of exotic woody plant species in introductions of non-native symbiotic fungi	2 Tue 12:45-14:05
Jan Kopecky	P121	Decomposition of beech litter: early fungi colonization and late bacterial communities structure	3 Wed 13:10-14:30
Elmarie Kotzé	P122	Effect of rangeland management on soil microbial communities in a sandy savanna and clayey grassland ecosystem, South Africa	1 Mon 12:45-14:00
Martina Kracmarova	P123	Influence of different types of fertilization, crop rotation and geochemical composition on soil microbial structures	2 Tue 12:45-14:05

Ekaterina N. Tikhonova, Irina	P124	Methylotrophy as metabolic adaptation and survival strategy of <i>Azospirillum</i> in wetlands	3 Wed 13:10-14:30
Irina Kravchenko	P125	Natural reforestation impact on the microbial communities in gray forest soils	1 Mon 12:45-14:00
Katharina Kujala	P126	Ecophysiology of arsenic- and antimony-metabolizing microorganisms in peatlands treating mining-affected waters	2 Tue 12:45-14:05
Niina Lallukka	P127	Remediation of oil-polluted soils in situ through stimulation of the indigenous microbes with physical and chemical treatments	3 Wed 13:10-14:30
Tuula Larmola	P128	Do foliar ¹⁵ N patterns indicate shifts in mycorrhizal abundance and function under nutrient load?	1 Mon 12:45-14:00
Gwenaëlle Lashermes	P129	Responses of microbial degradation patterns of soil organic matter to a gradient of anthropogenic pressure on agrosystems	2 Tue 12:45-14:05
Tarja Lehto	P130	Temperature affected the formation of arbuscular mycorrhizas and ectomycorrhizas in <i>Populus angustifolia</i> more than a mild drought	3 Wed 13:10-14:30
Julieta Orlando	P131	Selectivity of <i>Peltigera frigida</i> for bacterial groups of their microbiome	1 Mon 12:45-14:00
Leandro Lemos	P132	A novel unculturable <i>Parcubacteria</i> presents a versatile metabolism adapted to long-term effects of anoxic conditions in deforested Amazon soil	2 Tue 12:45-14:05
Tereza Leonhardt	P133	Zinc and arsenic over-accumulation trait in <i>Russula</i> spp.	3 Wed 13:10-14:30
Dejun Li	P134	Responses of biological N ₂ fixation to multiple environmental changes	1 Mon 12:45-14:00
Honghong Li	P135	Soil bacterial response to different fertilizer-crop managements in a boreal climate	2 Tue 12:45-14:05
Young Woon Lim	P136	Guild patterns of basidiomycetes community associated with <i>Quercus mongolica</i>	3 Wed 13:10-14:30
Qiang Lin	P137	Microbial phylogenetic structure and interactions along primary succession	1 Mon 12:45-14:00
Jennifer Stoiber-Lipp	P138	Microbial communities at two coal tar waste contaminated sites	2 Tue 12:45-14:05
Merja Lusa	P139	Uptake and reduction mechanisms of selenium(IV) in two heterotrophic aerobic <i>Pseudomonads</i> strains – effects on plant uptake by <i>Arabidopsis thaliana</i>	3 Wed 13:10-14:30

Shiyu Ma	P140	Soil chemistry and environmental conditions but not land-use history affect soil microbial community composition in temperate forests in Europe	1 Mon 12:45-14:00
Irena Maček	P141	Biodiversity and community composition of arbuscular mycorrhizal fungi in selected biodiversity hot spots of the Balkan Peninsula	2 Tue 12:45-14:05
Anélia Marais	P142	Influence of oats cover crop vs no cover crop preceding dryland lucerne establishment on some aspects of soil microbial ecology	3 Wed 13:10-14:30
Marketa Sagova-Mareckova	P143	The structure of microbial communities is related to seed predation by carabid beetles.	1 Mon 12:45-14:00
Marco Antonio Lopez Marin	P144	Exploring the potential of <i>Micrococcus luteus</i> culture supernatant for enhancing the culturability of soil bacteria	2 Tue 12:45-14:05
Karita Saravesi, Annamari Markkola	P145	Elevated blue light alters ectomycorrhizal fungal communities in roots of Scots pine seedlings and soil enzyme activities	3 Wed 13:10-14:30
Tijana Martinović	P146	Microbial utilization of carbon in the soil of a temperate forest	1 Mon 12:45-14:00
Laure Schneider-Maunoury	P147	The black truffle <i>Tuber melanosporum</i> , ectomycorrhizal with trees and endophyte with herbs	2 Tue 12:45-14:05
Johanna Mayerhofer	P148	Monitoring of soil bacterial communities across the diverse landscape of Switzerland	3 Wed 13:10-14:30
Annelein Meisner	P149	Legacy of drying-rewetting affects soil microbial response to freeze-thawing	1 Mon 12:45-14:00
Lucas William Mendes	P150	Breeding for resistance to soil-borne pathogen impacts rhizosphere microbiome in common bean	2 Tue 12:45-14:05
Carolina Merino	P151	Iron reducing bacteria in humid temperate rain forest soils maintain lignocellulose decomposition under anoxic conditions	3 Wed 13:10-14:30
Éva Mészáros	P152	Microbial community changes in a short-term fertilization experiment on temperate forest soils	1 Mon 12:45-14:00
Mitiku Mihiret	P153	Impact of treated wastewater irrigation on proliferation of antibiotic resistant genes and Class 1 integrons in soil and crops	2 Tue 12:45-14:05

Taru Sandén	P154	Bacterial communities affected by organic amendments down to one meter in a long-term field experiment	3 Wed 13:10-14:30
Daniel Miller	P155	Simulated winter incubation of soil and swine manure differentially affects multiple antimicrobial resistance elements	1 Mon 12:45-14:00
Maki Miura	P156	Effects of freeze-thaw and dry-wet events in an arable soil	2 Tue 12:45-14:05
Nada Salloom Mohammed	P157	Effect of agronomic practices on arbuscular mycorrhizal root colonisation and inoculum density in two cultivars of spelt wheat (<i>Triticum spelta</i>).	3 Wed 13:10-14:30
Sucharitha Kannappan Mohan	P158	Cloning of <i>Saccharomyces cerevisiae</i> halo-tolerance Hal1 gene into <i>Escherichia coli</i> XL10	1 Mon 12:45-14:00
Sucharitha Kannappan Mohan	P159	Bioactive potential of <i>Halomonas pacifica</i> MML1909 isolated from Saltpan	2 Tue 12:45-14:05
Shinsuke Mori	P160	Bacterial profiles in the submerged soil around direct-seeded rice and involvement of several organic acids in poor seedling emergence	3 Wed 13:10-14:30
Shinsuke Mori	P161	Bacterial profiles in the submerged soil around direct-seeded rice with different seed-coating materials	1 Mon 12:45-14:00
Shinsuke Mori	P162	Submerged soil collection method for studies on soil microbial changes around directly seeded rice seeds	2 Tue 12:45-14:05
Shinsuke Mori	P163	Bacterial profiles in the soil around direct-seeded rice coated with calcium peroxide under submerged soil conditions	3 Wed 13:10-14:30
Håvard Kauserud	P164	Soil depth matters: Bacteria, fungi and micro-eukaryotes are all strongly structured by soil depth	1 Mon 12:45-14:00
David Myrold	P165	Intra-annual Variation of Soil Microbial Communities	2 Tue 12:45-14:05
Riina Muilu-Mäkelä	P166	Living Sphagnum layer hosts essential microbes with potential for biotechnological applications	3 Wed 13:10-14:30
Fernanda Nakamura	P167	Eastern Amazonian soils' methane emission varies due to changes in moisture and temperature	1 Mon 12:45-14:00
Diana Nebeská	P168	Development of PLFA profile of soil microbial communities during pot growth of <i>Miscanthus x giganteus</i> in contaminated soils	2 Tue 12:45-14:05

Taylor Nelson	P169	Biodegradation of synthetic aliphatic polyesters: using stable carbon isotope labeling to track polyester fate in soils	3 Wed 13:10-14:30
Tiina Nieminen	P170	An increasing trend in soil solution nitrate concentrations during a twenty-year- monitoring period in a Norway spruce forest	1 Mon 12:45-14:00
Olabiya Obayomi	P171	Impact of treated wastewater irrigation on soil and crop microbial communities	2 Tue 12:45-14:05
Adriana L. Romero-Olivares	P172	Presence and abundance of nitrogen metabolism genes explain fungal community shifts and ecosystem-carbon dynamics in nitrogen enrichment field experiments	3 Wed 13:10-14:30
Jewel De Padua	P173	Biosorption of Nickel by the Fungus Trichoderma Isolated from Soil, Leaf Litter and Marine Substrata	1 Mon 12:45-14:00
Ansa Palojärvi	P174	Soil microbial and structural properties as sensitive soil quality indicators affected by long-term crop sequence and manure use	2 Tue 12:45-14:05
Woojun Park	P175	Exopolysaccharide production and biofilm formation in soil- dwelling Acinetobacter oleivorans DR1 under oxidative stress	3 Wed 13:10-14:30
Krista Peltoniemi	P176	Fungal biomass and species composition in boreal peatland forests estimated by in- growth mesh bag method	1 Mon 12:45-14:00
Mari Pent	P177	Bacterial communities in mushrooms: what determines their structure and function?	2 Tue 12:45-14:05
Igor Pessi	P178	Metagenomic analysis of microbial communities in soils along a natural climate gradient in the Scandinavian sub- Arctic	3 Wed 13:10-14:30
Lauralie Mangeot-Peter	P179	Jasmonic acid signalling pathway alters the structuring of the root microbiome in Grey Poplar	1 Mon 12:45-14:00
Martin Pingel	P180	Response of soil microbial communities and soil functions to long-term soil perturbation and nitrogen fertilization in a perennial cropping system	2 Tue 12:45-14:05
Christian Poll	P181	The enzymatic landscape of undisturbed soils – Evaluation and improvement of enzyme zymography	3 Wed 13:10-14:30
Paulina Pradel	P182	Impact of long-term in situ warming on bacterial rhizobiome from Antarctic vascular plants.	1 Mon 12:45-14:00

Nadine Praeg	P183	Highly sensitive quantification of methanogenic and methanotrophic microorganisms via droplet digital PCR (ddPCR)	2 Tue 12:45-14:05
Cindy Prescott	P184	Dispersed variable-retention harvesting mitigates N losses on harvested sites despite changes in soil microbial community structure	3 Wed 13:10-14:30
Karin Pritsch	P185	Reactions of ectomycorrhizal communities of spruce and beech to repeated extreme droughts	1 Mon 12:45-14:00
Marja Roslund, Riikka Puhakka	P186	Greening of daycare yards modifies skin and gut microbiota and enhances well-being of urban children in Finland	2 Tue 12:45-14:05
Anuliina Putkinen	P187	Links between soil CH ₄ cycling and tree-derived CH ₄ emissions on a forestry-drained peatland	3 Wed 13:10-14:30
Miguel A. Ramos	P188	Selection of high performance strains of edible mycorrhizal fungi for improved abiotic stress resistance	1 Mon 12:45-14:00
Irina Bergström, Katri Rankinen	P189	Integrated Biodiversity Conservation and Carbon Sequestration in the Changing Environment (IBC-CARBON)	2 Tue 12:45-14:05
Katri Rankinen	P190	Consequences of brownification for ecological indicators in Lake Pääjärvi-past and future	3 Wed 13:10-14:30
Bahar S. Razavi	P191	Hot experience for cold-adapted microorganisms: temperature sensitivity of soil microbial enzymes	1 Mon 12:45-14:00
Thomas Reitz	P192	Combined effects of land use intensification and climate change on microbial decomposition processes in soils.	2 Tue 12:45-14:05
Frédérique Reverchon	P193	Shifts in the structure of rhizosphere microbial communities of avocado (<i>Persea americana</i> Mill.) after <i>Fusarium</i> dieback	3 Wed 13:10-14:30
Barbara Kieliszewska-Rokicka	P194	Mycorrhizas of white poplar (<i>populus alba</i> L.) in riparian forests with diverse hydrological conditions	1 Mon 12:45-14:00
Niina Lallukka	P195	TANIA: Treating contamination through nanoremediation	2 Tue 12:45-14:05
Maria Rudawska	P196	Do forest management and environmental variables drive diversity patterns of ectomycorrhizal fungi in mixed coniferous forests?	3 Wed 13:10-14:30

Fabiana Russo	P197	Soil fungi isolated from DDT-polluted soils: assessment of tolerance, interspecific metabolic diversity and efficacy of rhizo- bioremediation	1 Mon 12:45-14:00
Jan Sácký	P198	Functional analysis of Zn transporters of the ectomycorrhizal Zn-accumulating fungus <i>Russula atropurpurea</i>	2 Tue 12:45-14:05
Aurelien Sghaï	P199	How do changes in either plant or soil microbial diversity affect agro-ecosystem functioning?	3 Wed 13:10-14:30
Hans Sandén	P200	Exclosures and eucalyptus plantations on degraded land improve soil properties and shift the soil fungal community composition in Ethiopian highlands	1 Mon 12:45-14:00
Minna Santalahti	P201	The long term effect of reindeer grazing on soil fungal communities and enzyme activities in boreal coniferous forests in Finland	2 Tue 12:45-14:05
Margarida Santana	P202	Changing soil environments and the role of microorganisms at high temperatures	3 Wed 13:10-14:30
Elena Gomez-Sanz	P203	Metagenomic analysis of long-term land- use effects on soil microbial communities in 600-year Alpine pasture system	1 Mon 12:45-14:00
Elena Gomez-Sanz	P204	Microbial composition and antimicrobial resistance determinants in one of the oldest experimental agricultural field soils in Europe	2 Tue 12:45-14:05
Melanie Sapp	P205	The plant microbiome is shaped by an interplay between top-down and bottom- up processes	3 Wed 13:10-14:30
Achim Schmalenberger	P206	Grassland microbial communities respond to soil drainage and phosphorus availability	1 Mon 12:45-14:00
Achim Schmalenberger	P207	The effect of sulfate fertilization of grassland columns on soil microbiota and nematodes	2 Tue 12:45-14:05
Sanja Schwalb	P208	Soil ionoMICS – Linking elemental composition of microorganisms to soil fertility and their C and N storage capacity	3 Wed 13:10-14:30
Mikhail Semenov	P209	Towards to physiological status of soil microorganisms determined by RNA:DNA ratio	1 Mon 12:45-14:00
Jasmin Seven	P210	Food for microbes - C:N:P stoichiometry of microbial biomass and incorporation of nutrients into cellular pools respond to altered nutrient levels	2 Tue 12:45-14:05

Regina Shalygina	P211	MICROFUNGI, ALGAE AND CYANOBACTERIA IN SOILS POLLUTED WITH FLUORIDE (KOLA PENINSULA, RUSSIA)	3 Wed 13:10-14:30
Richa Sharma	P212	Have bioinoculants won the race against chemical fertilizers: Case study with pigeonpea!	1 Mon 12:45-14:00
Lingling Shi	P213	Forest disturbance causes loss of functionally dominant fungi in a tropical rain forest in SW China	2 Tue 12:45-14:05
Yuta Shimizu	P214	Re-evaluation for indirect-inhibition effect of <i>Fusicolla acetilerea</i> on establishment of seedlings from iron-coated seeds of rice, comparing with <i>F. merismoides</i>	3 Wed 13:10-14:30
Fedor Shirshikov	P215	On the new genomospecies " <i>Candidatus Pectobacterium maceratum</i> ", a necrotrophic bacterium with own insect vector	1 Mon 12:45-14:00
Outi-Maaria Sietiö	P216	The impact of plant-derived carbon flow on root litter decomposition	2 Tue 12:45-14:05
Aino Smolander	P217	Soil nitrogen cycling in relation to terpenes and tannins: Examples from forest bioenergy harvest	3 Wed 13:10-14:30
Adriano Sofo	P218	Genetic and functional diversity of soil bacterial communities in an olive grove managed with sustainable or conventional approaches	1 Mon 12:45-14:00
Hong-Gyu Song	P219	Screening of soil bacteria with antimicrobial activity against several microbial residents on human skin	2 Tue 12:45-14:05
Hong-Gyu Song	P220	Degradation of aflatoxin B1 and inhibition of aflatoxigenic fungi by some soil bacteria	3 Wed 13:10-14:30
Leandro de Souza	P221	Soil pH modulation impacts microbial activity and 16S rDNA operon copies number in Amazon soils	1 Mon 12:45-14:00
Heide Spiegel	P222	How does long-term different tillage management affect soil microbiota?	2 Tue 12:45-14:05
Michal Strejcek	P223	Comparison of whole-cell MALDI-TOF MS and 16S rRNA gene analysis for dereplication of soil bacterial isolates	3 Wed 13:10-14:30
Martina Štursová	P224	Long-term litter decomposition in the montane forest of Central Europe.	1 Mon 12:45-14:00
Salisa Suchitwarasan	P225	Potential for growth enhancement by arbuscular mycorrhizal fungi in potato.	2 Tue 12:45-14:05

Afnan Khalil Ahmad Suleiman	P226	Responses of bacterial and protist communities to organic and conventional fertilization in distinct soil types	3 Wed 13:10-14:30
Afnan Khalil Ahmad Suleiman	P227	Impact of microalgae-fertilizer on soil microbiome, greenhouse gases emissions and plant growth	1 Mon 12:45-14:00
Jachym Suman	P228	<i>Pseudomonas alcaliphila</i> JAB1 – a versatile degrader of aromatics of both natural and anthropogenic origin	2 Tue 12:45-14:05
Ida Szmigiel	P229	Xyluloitic and cellulolytic activity of <i>Bacillus subtilis</i> strains isolated from microflora of the soil worm <i>Eisenia foetida</i>	3 Wed 13:10-14:30
Zelalem Taye	P231	Canola Rhizosphere Microbiome: Potential Source of Genetic Variability for Future Canola Breeding	1 Mon 12:45-14:00
Zelalem Taye	P232	Fine Root Dynamics and Its Possible Implications in Structuring the Rhizosphere Microbial Community in Sixteen <i>Brassica napus</i> (Canola) Lines	2 Tue 12:45-14:05
Catarina Teixeira	P233	Distribution and diversity of anammox bacteria in NW Portuguese coastal environments	3 Wed 13:10-14:30
Eeva Terhonen	P234	Biocontrol Potential of Forest Tree Endophytes	1 Mon 12:45-14:00
Sakshi Tewari	P235	Multifaceted bioformulations enhancing nodulation and growth attributes of pigeon pea under multi-stress conditions	2 Tue 12:45-14:05
Ella Thoen	P236	The ubiquitous mycenans – purely saprotrophs or potential plant root symbionts?	3 Wed 13:10-14:30
Sherlyn Tipayno	P237	Metagenomic assessment of dominant bacterial communities in metal contaminated rice paddy soils	1 Mon 12:45-14:00
Keisuke Tomioka	P238	Pink seeds of barley attributed to infection with <i>Erwinia rhapontici</i>	2 Tue 12:45-14:05
Keisuke Tomioka	P239	Generation of nitrate non-utilizing mutants of <i>Phomopsis longicolla</i> Hobbs isolated from soybean	3 Wed 13:10-14:30
Lea-Rebekka Tonjer	P240	Changes in the soil fungal community across the mountain birch tree line ecotone	1 Mon 12:45-14:00
Marika Truu	P241	Relationship of soil microbial community with plant roots and greenhouse gas emission in full-drained peatland forests	2 Tue 12:45-14:05

Siu Mui Tsai	P242	Sugarcane harvest managements alter the structure, composition and potential functions of the soil microbial community	3 Wed 13:10-14:30
Tero Tuomivirta	P243	The H2020 Diverfarming project: assessing the impact of crop diversification on soil biodiversity across Europe	1 Mon 12:45-14:00
Jana Täumer	P244	Effects of grassland and forest land use intensity on the abundance and activity of methane-oxidizing[] Microorganisms	2 Tue 12:45-14:05
Tina Unuk	P245	Relation between silver fir (<i>Abies alba</i> Mill.) phenology and belowground fungal composition in Slovenia	3 Wed 13:10-14:30
Louise Egerton-Warburton	P246	Seasonality drives arbuscular mycorrhizal community composition and diversity in tropical dry forests	1 Mon 12:45-14:00
Milankumar Varsadiya	P247	Functional potential of microbial communities in cryoturbated organic matter from Herschel Island	2 Tue 12:45-14:05
Ekaterina Vasileva	P248	Cultivated endophytic bacteria from garden pea (<i>Pisum Sativum</i> L.)	3 Wed 13:10-14:30
Safaa Wasof	P249	Investigation on the interaction between enhanced nutrient availability and soil biota on plant community in grasslands – a mesocosm experiment	1 Mon 12:45-14:00
James Weedon	P250	Community adaptation to temperature explains abrupt soil bacterial community shift along a geothermal gradient	2 Tue 12:45-14:05
Sannakajsa Velmala	P252	Optimizing crop rotation cycles that support natural mycorrhization	3 Wed 13:10-14:30
Tomáš Větrovský	P253	Global distribution of dominant fungi in the environment	1 Mon 12:45-14:00
Meike Widdig	P254	Effects of element inputs on P-solubilizing bacteria and on phosphatase activity in two grassland soils in South Africa	2 Tue 12:45-14:05
Unni Vik	P255	The plant root microbiome diversity and resilience in a changing climate.	3 Wed 13:10-14:30
Monika Vilkienė	P256	Bacterial community alternation under tillage intensity and their contribution to soil functions	1 Mon 12:45-14:00
Shanay Williams	P257	Linking soil nitrogen cycling to microbial community composition and function to differentiate nitrogen uptake among diverse <i>Brassica napus</i> (canola) lines	2 Tue 12:45-14:05
Anne Winding	P258	Soil microflora and -fauna response to biochar amendment	3 Wed 13:10-14:30

Yucheng Wu	P259	Lignin-enhanced polycyclic aromatic hydrocarbons remediation and involved soil microbes	1 Mon 12:45-14:00
Mohamed Al-Yahya'ei	P260	Organic farming practices in a desert habitat increased the abundance, richness and diversity of arbuscular mycorrhizal fungi	2 Tue 12:45-14:05
Mikhail Semenov	P261	Microbial diversity and activity in top and deep soil horizons of podzolic soil under spruce trees	3 Wed 13:10-14:30
Rui Yin	P262	Soil faunal contribution to litter mass loss as affected by global climate and land use changes	1 Mon 12:45-14:00
Kim Yrjälä	P263	Tropical peat decomposition under land- use change: adaption to resources and conditions (TROPDEC)	2 Tue 12:45-14:05
Yuxing Feng, Kim Yrjälä	P264	Torrey grandis root disease is strongly linked to change in microbial catabolic activity rather than community diversity in root-zone soils	3 Wed 13:10-14:30
Jun Zeng	P265	Fate of polycyclic aromatic hydrocarbon in soil affected by laccase amendment and the resulting soil bacterial responses	1 Mon 12:45-14:00
Yi Zhao	P266	AsChip: a high-throughput qPCR chip for comprehensively profiling of microbial arsenic biogeochemical cycling genes in the environments	2 Tue 12:45-14:05
Alena Zhelezova	P267	Changes in microbiome in chronosequence of soil formation in tundra zone	3 Wed 13:10-14:30
Xuan Zhou	P268	Wildfire impact on permafrost bacterial communities and functional genes in Canada boreal forests	1 Mon 12:45-14:00
Jure Zrim	P269	Effects of softwood biochars on soil biota in medium-term field experiments in Finland	2 Tue 12:45-14:05
Michaela Dippold	P270	Microbes respond to unfavorable environmental conditions by extra- and intracellular metabolic adaptations	3 Wed 13:10-14:30
Julieta Orlando	P271	Settlements of sea animals increase nitrous oxide emissions in Antarctic	2 Tue 12:45-14:05
Bunjirtluk Jintaridth	P272	Efficiency of phosphate solubilizing microorganisms and Vesicular -Arbuscular Mycorrhiza for increasing baby corn yield on acid sulfate soils	1 Mon 12:45-14:05