

Session 1: 9-11:15 AM				
Start Time	End Time	Presenter	MS, PhD, Undergrad	Title
9:00 AM	9:08 AM	Godsift N. Chukwuonye	PhD	Toxic Layering and Compound Events: Exposure to Per- and Polyfluoroalkyl Substances (PFAS) Remobilized After the Coupled Interactions of Wildfires and Flash Floods in Communities with Active and Legacy Contamination
9:10 AM	9:18 AM	Neeraja Setlur	PhD	In-Situ Sequestration of PFAS from Contaminated Groundwater using an Injectable High Affinity Cationic Hydrophobic Polymer
9:20 AM	9:28	Tomasz Włodarczyk	PhD	Advances in identification of metal uptake in native vegetation of the US Southwest
9:30	9:38	Viviana Freire-Zapata	PhD	Multi-omics reveals functional shifts underpinning microbial Responses to Resource Availability Shifts in Arid Environments
9:40	9:48	Mery Touceda Suarez	PhD	Differences in the genetic potential of soil microbial communities of urban greenspaces vs. natural arid soils.
9:50	10:05	BREAK		
10:05	10:13	Christian Ayala-Ortiz	PhD	Metagenomic Insights into Microbial Adaptations to the North American Monsoon in Southwestern Arid Soils
10:15	10:23	Adela Maria Reynoso	PhD	Exploring the potential for enhanced weathering for carbon sequestration in Arizona agricultural systems
10:25	10:33	Manzeel Khanal	PhD	Unlocking plant-metal-microbe interactions: exploring <i>Atriplex</i> spp. as native flora in the US Southwest
10:35	10:43	Brooke Byars	PhD	Soil Predictors of <i>Coccidioides posadasii</i> Presence in Arizona
10:45	10:53	Jacob Galloway (Undergrad)	Undergrad	Exploring Metal Tolerance and Accumulation in Plants: Hydroponic Tolerance Tests and Applied Strategies for Metal Uptake from Contaminated Waters.
10:55	11:03	Taylor Thornton	MS	Surrogate Virus Decay and Effects in B2 Soils
11:05	11:13	Extra Time (in case we run over)		

Oral Session 2: 1-3 PM

Start Time	End Time	Presenter	MS, PhD, Undergrad	Title
1:00 PM	1:08	Taylor Arp	MS	Do Antibiotic Water Treatments (Sanitizers) Affect Soil Health Under Romaine Production?
1:10	1:18	Ben Karis	PhD	The Transport of Energetic Compounds in Overland flow in Arid Environments: A Case Study of Florence Military Reservation, Arizona, U.S.A.
1:20	1:28	Charlie Cunningham	PhD	Enhanced Rock Weathering on Basalt Hillslopes: Quantifying Carbon Capture via Concentration-Discharge Interactions
1:30	1:38	Zain Alqattan	PhD	Heavy Metal, Metalloids Inventories and Lead Isotopic Composition of a Post Wildfire and Flooding in Mining Towns, Arizona
1:40	1:48	Jhon Del Aguilá Pasquel	PhD	Methane fluxes from soil and tree stem surfaces in flooded and non-flooded forests in the Central Amazon basin
1:50	2:05	BREAK		
2:05	2:13	Kunal Palawat	PhD	Garden-based community science: navigating layers of violence to achieve environmental health justice
2:15	2:23	Jason Windingstad	PhD	Sand Provenience Analysis of Eolian Archives in the Mohawk Dune Field, AZ
2:25	2:33	Russell Noon	PhD	Sorption properties of microplastic particles and the potential mechanisms for terrestrial remediation
2:35	2:43	Raquel Ornelas	PhD	Do not shun us: Planting native species in communities impacted by mining pollution, desertification, and precarity.
2:45	2:53			
2:55	3:00	Extra Time (in case we run over)		

Poster Session

Start Time	End Time	Presenter	MS, PhD, Undergrad	Title
3:00 PM -	5:00 PM	Presenter		
	1	Hannah Reichman	MS	Linking Wetland Carbon Cycling to the Molecular Composition of Soil Organic Matter
	2	Kamila Murawska-Włodarczyk	PhD	Strategies and compromises of metal tolerant drought resistant plant growing on metal contaminated tailings
	3	Shalini Kadinappulige	PhD	Role of air-water interfacial area in retention and transport of PFAS.
	4	Ghiva Makke	PhD	Exploring Belowground Dynamics of Microbial and Metabolic Responses to Climate Change Drivers at SPRUCE
	5	Ruth Muir	MS	From Sunlight to Soil: Agrivoltaic Impacts on Tertiary Bean Development and Rhizospheric Microbial Communities.
	6	Favianna Cubello	PhD	Detachment and Transport of Composition B particles during Overland Flow
	7	Christian Barra	MS	Wildfires effects on soil physical, chemical, and hydraulic properties in the Santa Catalina Mountains, Arizona, USA
	8	Santiago Valencia	PhD	Effects of intra-annual precipitation variability on global tropical forest and savanna distribution
	9	Mekayla Crawford	MS	Elucidating the Spatial Metabolome of Invasive and Native Grass Roots Using MALDI-MSI
	10	Anu Sethuraman	PhD	Cultivating water resilience with an Indigenous community in the Southwestern US
	11	Andréa Martinez	MS	Relative abundance of nutrient cycling genes as a metric of soil health during mine site reclamation
	12	Caitlin Tribelhorn	PhD	Enrichments of Anaerobic Archaea from Estuarine Intertidal Sediments
	13	Simran Singh	PhD	Methods Development for Testing Treated Wastewater for Viruses Leading to Potable Reuse.
	14	Vidula Lokugama	PhD	Innovative Remediation of Uranium-Contaminated Groundwater: A Study on Selective Recovery Using Bloinspired Glycolipid Surfactants
	15	Jasmine Miranda	MS (online)	Seasonal Variation in Relative Abundance in Yuma, Arizona
	16	Kendra Wissinger	MS	Rhamnolipid Removal of Rare Earth Elements from Contaminated Mining Wastewater
	17	Garrett Hagen	MS	Analyzing soil nutrient change at Red Rock Agricultural Center after 15 years of agricultural management
	18	Caroline Shults (undergrad)	Undergrad	Derelict and End-of-Life Fishing Gear Recycling Processes, Associated Difficulties, Recommended Methods, Related Expenditures, and Why it is Important
	19	Alexia Vance (undergrad)	Undergrad	Bathroom Viral and Bacterial Contamination via Hand-Drying Methods
	20	Ma'in Alghzawi	PhD	Climate Controls on Metal(loids) Bioaccessibility in Mine Tailings
	21	Jing Huang	PhD (visiting)	Evergreen needleleaf forest energy, water, and carbon cycle process response to extreme drought
	22	Richelle Thomas	PhD	Uptake of uranium and arsenic in Salvia, Thesleperma, and Helianthus: A study to identify potential risks of heavy metal(loids) uptake into medicinal plants utilized by Indigenous people.
	23	Melissa Jacquez	MS	Cultivating Engagement, Empowering Change: Inquiry Environmental Health Education in the Arizona Copper Corridor
	24	Susan D Perez	PhD	Factors controlling removal of uranium from groundwater with glycolipids and ion flotation: a path to achieving compliance
	25	Lois Polashenski	PhD	Development of Wastewater-Based Epidemiology Methods for Detection of <i>Candida auris</i>
	26	Renata Martin (undergrad)	Undergrad	Optimizing Tree Establishment in Urban Arid Environments: A Comparative Study of Impacts of Water Management Practices on Soil
	27	Kielah Dyer (undergrad)	Undergrad	Investigating Weathering as Influenced by Different Genotypes of <i>Alfalfa</i>
	28	Camille Tinerella (undergrad)	Undergrad	Specific Leaf Area Effect on Drought Sensitivity of Desert Species