

Monday, June 07, 2021	t _{start}	t _{end}	Title	Authors
	9:00	9:30	Plenary Session 1-Yong-Guan Zhu	
	9:30	9:45	Effects of selenite on arsenic uptake and translocation in rice seedlings (Oryza sativa L.)	K. Wang, Y.N. Wan & H.F. Li
	9:45	10:00	Arsenic and other heavy metals characterization in rhizospheric soil and plants	S. Ramteke, Khageshwar S. Patel, Bharat L. Sahu, Nitin K. Jaiswal, A. Bhatia, Shankar G. Agrawal, L. Borgese, A. Gianoncelli, E. Bontempi
2.2.Dynamics of arsenic in rhizosphere	10:00	10:15	Biogeochemistry of arsenic in a highly polluted agricultural soil: influence of water saturation and organic substrate supply	H. Thouin, N. Devau, M. Charron, F. Battaglia-Brunet, C. Joulian & J. Hellal
	10:15	10:30	Monothioarsenate uptake and reduction in Arabidopsis thaliana	A. Monroy-Licht, C. Rafferty, C.F. Kerl, B. Planer-Friedrich & S. Clemens.
	10:30	10:45	Groundwater arsenic contamination with special reference to its accumulation in rice grain and additional entry during domestic scale post harvesting in Bengal delta	T. Roychowdhury, A. Das, N. Roy Chowdhury, M. Joardar, D. Mridha, A. De, U. Lama,P. Priyadarshni, K. Majhi, S. Chakraborti, D. Kumar & A. Devansh
	10:45	11:15	Coffee break (30min)	
2.3.Microbial ecology of arsenic biotransformation in soils & Molecular mechanisms of plant arsenic uptake	11:15	11:30	Application of stable isotope on bioaccumulation and trophic transfer of arsenic in aquatic organisms around a closed realgar mine	F. Yang, Z. Yu, S. Xie, H. Feng, C. We, H. Zhang, J. Zhang
	11:30	11:45	Soil arsenic dynamics in differentially microbial propagated paddy fields of Bengal delta basin	A. Majumdar, M.K. Upadhyay, A.K. Srivastava, S. Srivastava, M.K. Jaiswal & S. Bose
	11:45	12:00	Silica nanoparticles inhibit arsenic uptake into rice suspension cells via improving pectin synthesis and the mechanical force of the cell wall	J.Cui, F. Li
	12:00	12:15	Unveiling arsenic tolerance potential of different rice (Oryza sativa L.) genotypes in paddy soil conditions of Pakistan	M. M. Hussain, I. Bibi, N. K. Niazi, M. Shahid

	12:15	12:45	Session discussion theme 2.2 & 2.3	
	12:45	13:30	Lunch break	
	13:30	14:30	Inaugural session	
	14:30	15:30	Plenary Session 2(1)-Alejo Pérez Carrera (2)-Luiz Roberto Guimaraes Guiherme	
	15:30	16:00	Coffee break (30min)	
<i>1.1. Sources, transport and fate of arsenic in groundwater systems</i>	16:00	16:15	Groundwater arsenic in the Manipur Valley of northeastern India: controls of geomorphology and geology	K.S. Kshetrimayum
	16:15	16:30	Arsenic contamination in groundwater of the central Gangetic plains of India: sources and mobilization	AL. Ramanathan, S. Yadav, M. Kumar & P. Bhattacharya E. Stopelli, V. T. Duyen, T. T. Mai, P.T.K. Trang, P.H. Viet, A. Lightfoot, R. Kipfer, M. Schneider, E. Eiche, A. Kontny, T. Neumann, M. Glodowska, M. Patzner, A. Kappler, S. Kleindienst, B. Rathi, O. Cirpka, B. Bostick, H. Prommer, L. H. E. Winkel, M. Berg J.M. Ochoa-Rivero, H.A. Fuentes-Hernandez, V.M. Reyes-Gomez, & B.A Rocha-Gutierrez Andrea Gómez-Hernández, Jeanny Lucero Hernández Martínez, Diana Meza-Figueroa, and Nadia Martínez-Villegas & Bhaskar SenGupta
	16:30	16:45	Interplay of As (im)mobilisation processes in groundwater: learning from hydrochemical investigations	
	16:45	17:00	Distribution of pollutants in water of The Bustillos Lagoon in Chihuahua, Mexico	
	17:00	17:15	Capillarity as a hydrologic control in the unsaturated zone drives arsenic transport from groundwater to soil solid phase in Matehuala (Mexico)	
	17:15	17:30	Developing a logical framework for source apportionment, mobility and fate of arsenic in global tectonic basins	A. Mukherjee & P. Bhattacharya
		17:30	18:00	Session discussion theme 1.1

Tuesday, June 08, 2021		t_{start}	t_{end}	Title	Authors
		9:00	9:30	Plenary Session 3-Doris van Halem	
1.4.Arsenic mobility and fate in soils, sediments and mining wastes	9:30	9:45	Tracing the Dynamic Changes of Arsenic Species across the Interfaces in Water-Soil-Plant System	Zhao-Feng Yuan, Williamson Gustave & Zheng Chen	
	9:45	10:00	Arsenic(III) adsorption and oxidation by a Pleistocene brown sediment from the Hetao Basin, China	Z.P. Gao & H.M. Guo	
	10:00	10:15	Effects of Phosphate on Distribution of Arsenic at the Paddy Soil-water Interface: Experiments and Modeling	Liping Weng & Yingxuan Deng	
	10:15	10:30	Arsenic in Chianan Plain sediments from SW Taiwan: causes of concentration and potential of release to groundwater	H.-J. Yang & C.-Y. Lou	
	10:30	10:45	The oxidation of As(III) by α -FeOOH with different structural defects and its implication for paddy soil remediation	L. Fang, Z. Hong & F. Li	
	10:45	11:00	Occurrence of arsenic and its potential for mobility in soils in Muthurajawela marsh, Sri Lanka: Relationship with acid sulfate soil materials	C.L. Vithana, P.A.K. Ulapane, R. Chandrajith, L.A. Sullivan, J.Bundsuh, N. Toppler, N.J.Ward & A. Senaratne	
	11:00	11:15	Impact of tropical monsoon climate on arsenic enrichment in Holocene sediments of southeastern Sri Lanka	K.M. Premaratne, R. Chandrajith, N. Ratnayake, K. Gayantha & L. Si-Liang	
		11:15	11:45	Coffee break (30min)	
1.4.Arsenic mobility and fate in soils, sediments and mining wastes	11:45	12:00	Sources and mobilization of geogenic arsenic in groundwater in a sedimentary terrain of Sri Lanka	R. Chandrajith, S. Diyabalanage & C.B. Dissanayke	
	12:00	12:15	Mineralogical and elemental composition in sediments of upper Siang River basin, northeastern India	A. Dixit, S. Sathe, C. Mahanta, S. Kumar & S. Chaudhuri	
	12:15	12:30	Environmental implications of arsenic presence in volcanic and sedimentary rocks along the southeastern of El Bajío Guanajuatense, Guanajuato, Mexico	J.I. Morales-Arredondo, M.A. Armienta Hernández, A.E. Lugo-Dorantes, F. Juárez-Aparicio, F. Romero, L.G. Martínez-Jardines & I.Z. Flores-Ocampo	
		12:30	13:30	Lunch break	

13:30		14:30		Plenary Session 4 (1)-Barry Rosen	
14:30		15:30		Plenary Session 4 (2)-Maria Armienta Aurora	
14:30		15:30		Panel discussion-Recent advances in arsenic research: distribution in environmental matrices, health impacts and technologies for remediation	
15:30		16:00		Coffee break (30min)	
1.4.Arsenic mobility and fate in soils, sediments and mining wastes	16:00	16:15	Evaluation of Non-Imported Arsenic Enriched Geologic Construction Fill Materials for Potential Arsenic Mobilization to Groundwater	M. Serfes, V. Shah & R. Starcher	
	16:15	16:30	Evaluation of possible arsenic sources in sediments: El Sauz-Encinillas valley, Chihuahua, México	A. Villalobos-Aragón, V. V. Espejel-García & D. Espejel-García S. Bhattacharjee, Z. Anwar, L. Dunnican, F. Ahmed, S. Ghasemi, C. Rosales, T. Lehman, K. Millerick, K. Rainwater, & A. Deonarine'	
	16:30	16:45	Arsenic mobilization in aquifer sediments in the southwest USA	R. Mhanna, A. Naveau, F. Battaglia, H. Thouin, M. Bueno, C. Fontaine, G. Porel, J. Bassil, L. Caner	
	16:45	17:00	Leaching behavior of arsenic from Upper Cretaceous karst infillings materials in a fractured limestone aquifer (HESP, France)	Viana, J.L.M; Elias, L.P.; Eismann, C.E.; Menegário, A.A.; Barbiero, L., Fostier, A.H.	
	17:00	17:15	In situ speciation of arsenic at the soil-water interface of Pantanal wetlands: a DGT-based approach	A. Santos, M. Teixeira	
	17:15	17:30	Arsenic bioavailability and bioaccessibility in mining tailings from the Brazilian Iron Quadrangle	Flores Ocampo Itzamna Zaknite & John S. Armstrong-Altrin	
	17:30	17:45	Characterization of sediments in the North and Tamiahua Beaches, Gulf of Mexico: Implications on arsenic contamination		
17:45	18:15	Session discussion theme 1.4			

Wednesday, June 09, 2021	t_{start}	t_{end}	Title	Authors
	9:00	9:30	Plenary Session 5-Karin Broberg	
<i>2.4. Arsenic in Aquatic environment & Speciation and toxicity of arsenic</i>	9:30	9:45	Arsenic transfer and metabolism in marine herbivorous fish, <i>Kyphosus</i> spp.: A research proposal	T. Siregar, T. Sanchez-Palacios, A. Gunn, T. Kelly, S. Foster
	9:45	10:00	Total, inorganic and bio-accessible arsenic in children diets of Bangladesh: exposure assessment	M. M. Rahman, M. Alauddin, A. B. Siddique, Md R.Islam, S. K. Shaha and & R. Naidu
	10:00	10:15	Uptake and dietary toxicity of arsenic in rice genotypes: Effect of organic and inorganic amendments	M. M. Hussain, N. K. Niazi, I. Bibi, M. Shahid, S. Bashir, M. F. Nawaz, Z. Aslam
	10:15	10:30	Arsenic in wild growing edible mushrooms and the associated human health risk assessment	X. Liu, Y. Gao & L. Q. Ma
	10:30	10:45	Role of arsenic contaminated water during cooking of rice grain: an inverse relation	A. Das, M. Joardar, N. Roy Chowdhury, D. Mridha & T. Roychowdhury
	10:45	11:15	Coffee break (30min)	
<i>2.4. Arsenic in Aquatic environment & Speciation and toxicity of arsenic</i>	11:15	11:30	Arsenic in cattle. Evaluation of possible exposure biomarkers	C.V. Alvarez-Gonçalvez, F. E. Arellano, A. Fernández-Cirelli & A. L. Pérez-Carrera
	11:30	11:45	Arsenic risk assessment through dairy products ingestion	F.E. Arellano, A. Fernández-Cirelli, S. Braeuer, W. Goessler & A.L. Pérez-Carrera
	11:45	12:15	Session discussion theme 2.4	
	12:15	13:30	Lunch break	
	13:30	14:30	Plenary Session 6(1)-Alexander van Geen Plenary Session 6(2)-Conrad J. Choiniere	
	14:30	15:30	Closing & Panel discussion-Bridging Policy to Practice: why does the same (WHO) policy has different results around the world and what are good strategies to bridge policy to practice	