

Monday, June 07, 2021	t _{start}	t _{end}	Title	Authors
	9:00	9:30	Plenary Session 1-Yong-Guan Zhu	
4.1. Adsorption	9:30	9:45	Enhanced As(V) removal from aqueous solution by Zr/Zr-Fe modified biochar	Md. Aminur Rahman
	9:45	10:00	Application of a novel mesoporous MFT/SBA-15 composite materials on Arsenic elimination from aqueous solutions	N.Yu
	10:00	10:15	Arsenite removal through an adsorbent developed from industrial waste.	N. Jain and A. Maiti
	10:15	10:30	Arsenic Remediation onto Photocatalytic Synergistic Mn-Al-Fe Impregnated rGO Hybrid Adsorbent (MAF-rGO).	Y. K. Penke, J.Ramkumar and K. K. Kar
	10:30	10:45	Synthesis, characterization and dearsenification of β -Cyclodextrin fortified hydrous Iron-Zirconium hybrid oxide.	I. Saha, K. Gupta, S. Ahmed, D. Chatterjee & U.C. Ghosh
	10:45	11:15	<i>Coffee break (30min)</i>	
4.1. Adsorption	11:15	11:30	Arsenic adsorption using synthesized iron-oxide biochar nanocomposites: Mechanistic study and application over field samples.	P. Singh & D. Mohan
	11:30	11:45	Tailored Metal-Organic Frameworks (MOFs) for arsenic-free drinking water	S. Ramanayaka & M. Vithanage
	11:45	12:00	Selective adsorption of arsenate and antimonate from phosphate-rich waters.	B. Dousova, M. Lhotka, K. Kremenic, D. Kolousek & A. Cechova
	12:00	12:15	Arsenic Removal from Drinking Water with Granular Ferric Hydroxide (GEH): Effect of Vanadium and Phosphorous on the Adsorption Capacity.	C. Bahr
	12:15	12:30	Visual MINTEQ simulation for prediction of the adsorption of arsenic on ferrihydrite.	R. Irunde, P. Bhattacharya, J. Ijumulana, F.J. Ligate, A. Ahmad, F. Mtalo & J. Mtamba
	12:30	13:30	<i>Lunch break</i>	
	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	<i>Coffee break (30min)</i>	
4.1. Adsorption	16:00	16:15	Molecular-scale insights into Fe(II), As(III) and Mn(II) co-oxidation by weak and strong oxidants: Pros and cons of O ₂ , NaOCl and KMnO ₄ .	C.M. van Genuchten and A. Ahmad

16:15	16:30	Arsenic adsorption using immobilized magnetic iron oxide nanoparticles in electrospun PVA.	N. Torasso, J. Palatnik, A. Vergara-Rubio, A. Londonio, P. Smichowski & S. Goyanes
16:30	16:45	As(III) Removal from Aqueous Solution by Calcium Titanate Nanoparticles Prepared by the Sol Gel Method.	R. Tamayo, R. Espinoza-González, M. Flores and E. Sacari
16:45	17:00	Removal of As (III) and As (V) from Water Samples using Metallurgical Slags Sourced from the Steel and Iron Industries	A. Chiken & J. González
17:00	17:15	Optimization of IOCP coating to improve arsenic adsorption capacity	Y.M. Slokar , N.S. Nkiriti , K. Huysman , & B. Petrusevski
17:15	17:30	Arsenate removal from drinking water by application of pelletized iron(hydr)oxides	L. de Waal, A. Ahmad & C.H.M. Hofman-Caris
17:30	17:45	Arsenic removal from water using a new generation adsorbent: titanium dioxide coated with magnetic nanoparticles.	J. Nikić, M. Watson, A. Tubić, M. Šolić, M. Kragulj Isakovski & J. Agbaba.
17:45	18:00	Chitosan/PVA electrospun nanofiber membranes for the adsorption of As(V) from water.	J. Cimadoro, J. Palatnik, N. Torasso, A. Londonio, S. Cervený, P. Smichowski & S. Goyanes
18:00	18:15	Effect of Temperature on Adsorptive removal of Arsenic from Water by Hollow Polyaniline Microsphere/Fe ₃ O ₄ Nanocomposite	S. Dutta, A. K. Gupta, S. K. Srivastava & M. K. Yadav
18:15	18:45	Session discussion theme 4.1	

Tuesday, June 08, 2021		t _{start}	t _{end}	Title	Authors
		9:00	9:30	Plenary Session 3-Doris van Halem	
5.2. Policy and Management		9:30	9:45	Revisiting the village where arsenic contamination of underground water was first discovered in Bangladesh: Twenty-five years later	M. Sakamoto
		9:45	10:00	Science and policy in action: A localized intervention for arsenic risk mitigation in the Philippines	C.J.P. Faulmino, A. C. Rola, K. Louis, B. S. Reygie, Q.M. Augustus, C. Resurreccion
		10:00	10:15	Arsenic and arsenicosis threat to achieve the sustainable development goals	M. Mizanur Rahman Sarker, M. M. Ahmad & Uttam Deb
		10:15	10:30	Assessment and Management of Risks in Supply of Safe Drinking Water through Alternative Water Supply Options in Arsenic Affected Area of Bangladesh	S. Khanam, B. A. Hoque, M. A. Zahid, S. Ahmed, M.S. Huque, M. A. I. Khan
		10:30	10:45	Poor economics and arsenic: the key role of end-user & science informed co-designed policy and action, stakeholder guidance, transparency and the proactively enhanced role of women for better interventions in India	D. A. Polya, B. Chakraborti, Abhijit Mukherjee, Ashok Ghosh, Dipankar Saha, Himanshu, Joshi, Debapriya Mondal, Daren Gooddy, Stefan Krause & Laura A. Richards
		10:45	11:15	Session discussion theme 5.2	
		11:15	11:45	<i>Coffee break (30min)</i>	
3.1.Exposure and epidemiology of arsenic impacts on human health		11:45	12:00	Arsenic release and transformation from As(V)-bearing goethite and jarosite in the simulated human gastrointestinal tract	N.Y. Yin, & Y.S. Cui
		12:00	12:15	Chronic arsenicosis among different castes in a village of Patna district, Bihar, India	A.H. Jeelani
		12:15	12:30	Assessment of arsenic toxicity in the human blood samples from Simri and Tilak Rai ka Hatta village through haematological, hormonal and free radicals study	M.S. Rahman, S.K. Singh, A. Kumar & A.K. Ghosh
		12:30	13:30	<i>Lunch break</i>	
		13:30	14:30	Plenary Session 4 (1)-Barry Rosen Plenary Session 4 (2)-Maria Armienta Aurora	

Panel discussion-Recent advances in arsenic research: distribution in environmental matrices, health impacts and technologies for remediation			
	14:30	15:30	
	15:30	16:00	<i>Coffee break (30min)</i>
<i>3.1.Exposure and epidemiology of arsenic impacts on human health</i>	16:00	16:15	Arsenic Exposure And Health Risk Assessment - A Study From Upper Brahmaputra Floodplain, Assam India.
			R. Goswami & M. Kumar
	16:15	16:30	Chronic arsenic exposure dose-dependently increases the risk of hyperglycemia through skeletal muscle mass reduction
			K. Hossain, V. Mondal, Z. Hosen, F. Hossen, A.E. Siddique, S. Hossain, S. Himeno
	16:30	16:45	Arsenic exposure and endothelial dysfunction: a possible cause of cardiovascular diseases
			S. Hossain, M.M. Hasibuzzaman , E. Hossain , S. Himeno, K. Hossain
	16:45	17:00	Effects of arsenic exposure on the gut microbiome in exposed populations of Bihar, India
			D. Mondal
	17:00	17:15	Health risk assessment of natural origin arsenic in groundwater sources in Mexico
			X. Gutiérrez-Aviña; I. Navarro-González
	17:15	17:30	A Medical Geology Perspective of Arsenic as a Poison and Medicinal Agent
		J.A. Centeno	
17:30	17:45	Arsinothricin, an arsenic-containing non-proteinogenic amino acid analog of glutamate, is a potent broad-spectrum antibiotic	
		V.S. Nadar, A.E. Galván, S.H. Suzol, A.H. Howlader, J. Chen, D.S. Dheeman, K. Yoshinaga-Sakurai, M. Radhakrishnan, P. Kandavelu, B. Sankaran, M. Kuramata, S. Ishikawa, S.M. Utturkar, S.F. Wnuk, B.P. Rosen & M. Yoshinaga	
17:45	18:00	Association of low-level inorganic arsenic exposure from rice with age-standardized mortality risk of cardiovascular disease (CVD) in England and Wales	
		L. Xu, D.A. Polya, Q. Li & D. Mondal	
18:00	18:15	Impacts of Arsenic effect and its knowledge in rural areas in resource poor setting	
		S.D. Joshi & R.P. Bhandari	
18:15	18:30	Arsenic in keratinized matrices from patients with chronic kidney disease of uncertain etiology (CKDu) in Sri Lanka	
		S. Diyabalanage, S. Fonseka & R. Chandrajith	
18:30	19:00	Session discussion theme 3.1	

Wednesday, June 09, 2021		t _{start}	t _{end}	Title	Authors
		9:00	9:30	Plenary Session 5-Karin Broberg	
3.5. Risk assessment of chronic ingestion	9:30	9:45	Arsenic speciation in dust dispersion from mining to Mount Isa city	J. Zheng, B. Noller, T. Huynh, R. Taga, V. Diacomanolis, J.C. Ng, J. Aitken & H.H. Harris	
	9:45	10:00	Arsenic bioaccessibility in soils: The effect of soil characteristics and gut microbes	Y. Cui, H. Du & N.Yin	
	10:00	10:15	Comparative Study to Evaluate the Changes in Arsenic Dietary Intake Caused by Washing and Cooking Rice with Groundwater from the Bengal Delta, India	A. Shrivastava, M. Jaafar, S. Bose, M. Felipe-Sotelo, N. I. Ward	
	10:15	10:30	Assessment of drinking arsenic contaminated tube-well water in coastal areas of Bangladesh.	M.R. Uddina, N. Akterb, S.I. Jamala, S. Ahmeda & M.A. Ahsana	
	10:30	10:45	Poverty dynamics, arsenic exposure and adolescent mortality: a prospective findings	M. Rahman, N. Sohel, F. Yunus, M. Yunus	
		10:45	11:15	<i>Coffee break (30min)</i>	
3.5. Risk assessment of chronic ingestion	11:15	11:30	Combined Toxicity of Arsenic and Manganese from Potable Water in Bangladesh	T. Ahmed, T. Tarannum & D. Das	
	11:30	11:45	Report about advances and challenges during the first steps of the Project: "Arsenic in Uruguayan groundwater and associated health risk"	K. Pamoukaghlián, P. Collazo, N. Mañay & E. Alvareda	
	11:45	12:00	Private wells in Uruguay: evaluating groundwater arsenic levels and finding new areas for population's health risks assessment.	V. Bühl, P. Pizzorno, I. Machado, E. Alvareda & N. Mañay	
	12:00	12:15	Updated problem formulation and protocol for the inorganic arsenic (iAs) IRIS assessment	J.S. Lee, J.A. Davis, J.S. Gift, I. Druwe, K. Thayer	
	12:15	12:30	Arsenic bioavailability and bioaccessibility in mining tailings from the Brazilian Iron Quadrangle	A. Santos , M. Teixeira	
	12:30	12:45	Health exposure due to arsenic toxicity: A risk assessment study in West Bengal, India	M. Joardar, A. Das, N. Roy Chowdhury, A. De & T. Roychowdhuryc	
		12:45	13:30	<i>Lunch break</i>	
		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	
	15:30	16:00	Session discussion theme 3.5	
	16:00	16:03	Arsenic contamination in pond sediment of central India	B. L. Sahu, K.S. Patel, I. Wysocka & I. Jaroń
	16:03	16:06	Arsenic contamination in Sminja aquifer in Zaghouan Province, northeastern Tunisia: causes, spatial distribution and human health effects”	M. Ameur, F. Hamzaoui-Azaza & M. Gueddari
	16:06	16:09	Arsenic Methylation and its Relationship to Abundance and Diversity of arsM Genes in Composting	M. W. Zhai, M. T. Wong ² , F. Luo, M.Z. Hashmi, X. Liu, E. A. Edwards, X. Tang ^{1,2} & J. Xu
	16:09	16:12	Analysis of the distribution of cases with hypothyroidism and its georeferencing with regard to the arsenic isovalues present in the water of Fresnillo, Zacatecas, Mexico.	A.Carlos Arjon , C.M. Cazares de Lira, I.E. Gonzales Curiel & M.I. Martinez Acuña
	16:12	16:15	Long term arsenic toxicity and cutaneous manifestation in developing country	M. Josh
	16:15	16:18	Human health risk assessment for children and display of sustainability elements relate d to As in water at Zimapan, Hidalgo, Mexico	M.G. de la Torre, R.F. Ramírez, L.D. Morales Díaz
Poster	16:18	16:28	Q&A	
	16:28	16:31	Controlling factors for arsenic removal by Iron amended bio-sand filters: A case example of Kanchan Arsenic Filters in Nepal.	S. Padhi, M. Sakamoto, T. Tokunaga, J. Otomo & R. Ogata
	16:31	16:34	Effect of the mole ratio of Mn/Fe composites on arsenic(V) adsorption	S.E. Garrido Hoyos, J.L. Alvarez Cruz
	16:34	16:37	Arsenic Attenuation by Alluvial soils of Sutlej River Deposits, Rupnagar District, Punjab, India	N. Kaur & S. Paikaray
	16:37	16:40	Arsenic removal from a spring water in miner district Guanajauto Mexico with a layered double hydroxide Mg/Fe.	J. I. Ceseña, E. Ramos, A. H. Serafín, J. Moreno, G. A. Zanoz & N. L. Gutiérrez
	16:40	16:43	Arsenic removal from groundwater using electrocoagulation (EC) batch process and response surface methodolog	Alvior, Dr. R (Connie)
	16:43	16:53	Q&A	
	16:53	16:56	Novel Biosensor Field Kit for Trace Arsenic Analysis in Field Samples	E. Hicks et al.

16:56		Distribution of arsenic in sediments of The Bustillos Lagoon in Chihuahua, Mexico	H.A. Fuentes-Hernandez, J.M. Ochoa-Rivero & V.M. Reyes-Gomez
	16:59		
16:59	17:02	Utilizing citizen science to develop knowledge exchange and sampling-analysis schemes on geogenic arsenic in groundwater in Patna, India	S. T. Addison, D. A. Polya & L. A. Richards
17:02	17:05	Sustainable Protection and Restoration of Groundwater and Water Environment in Arsenic Contaminated Area of West Bengal, India through Application of Integrated Water Resource Management: ECO-India	G. Banerjee, S Pal, R Chakroborty, P.K.Roy, A Majumder, A Mazumdar
17:05	17:08	Capacity building for arsenic mitigation in Nepal	A. Eskelinen, P. Schmidt-Thomé, J. Ahone, T. Nystén, S. Tuominen
17:08	17:11	Simple assessment of arsenic enrichment in aquifer material for safe aquifer delineation	S.S. Sathe, C. Mahanta
17:11	17:14	Regional arsenic contamination transport model for safe aquifer delineation	S.S. Sathe, C. Mahanta, A. Dixit
17:14	17:17	Thiourea (TU) mediated impact on selected transporters and arsenic content in rice (<i>Oryza sativa</i> L.)grown in West Bengal, India	M. K. Upadhyay, S. Srivastava, A. Majumdar, A. Barla, S. Bose, A. K. Srivastava, P. Suprasanna
17:17	17:27	Q&A	