

Virtual Oral Sessions		Sum
Session V1 (8:30 ET)		5
Climate Change Mitigation, Adaptation and Planning (1)		5
1		1
	/Keynote/ Early and Extreme Warming in the South China Sea During 2015/2016: Role of an Unusual Indian Ocean Dipole Event	1
	Dongxiao Wang	1
	Sun Yat-sen University, China	1
2		1
	/Invited talk/ Maritime Energy Management: The Journey towards Zero/Low Carbon Maritime Future	1
	Aykut Olcer	1
	World Maritime University (WMU), Sweden	1
3		1
	Studying the Role of the Disaster Management Cycle (DMC) in Mitigating the Effects of Climate Change: A Case Study of the 2022 Flood in Part of Tehran Province	1
	Saeed Givehchi	1
	University of Tehran, Iran	1
4		1
	Current Perspectives of Insurance Sectors for Adaptation to Climate Change-Induced Public Health Emergencies: A Scoping Review	1
	Kaitlyn Garrison (Student)	1
	Memorial University	1
5		1
	Petroleum Microbiology in Blue Economy	1
	Yiqi Cao	1
	Memorial University	1
Session V2 (Special Session, 8:30 ET)		6
Simulation on Risk Identification, Evaluation and Regulation of Emerging Contaminants (1)		6
1		1
	Abortion Risk Evaluation of Synthetic Musk in Pregnant Women Using Adverse Outcome Pathways (AOPs)	1
	Xixi Li	1
	Chinese Research Academy of Environmental Sciences, China	1
2		1
	Environmental Fate Assessment of Amide Herbicides in Multi-Media Environment and Plant-Microorganism Removal Strategy	1
	Fuxing Wu (Student)	1
	Jilin University, China	1
3		1
	Environmental Risk of Antibiotic Resistance Genes in Agricultural Soil Environment and Their Response to Soil Erosion	1
	Zhixing Ren (Student)	1
	Northeast Forestry University, China	1
4		1
	Fingerprints Analysis of Plant-Microbe Synergistically Degraded FQs Substitutes in a Mixed System of Microalgae Technology Coupled with Constructed Wetlands	1
	Peixuan Sun (Student)	1
	Jilin University, China	1
5		1
	Microplastics in Farmland Soil: Construction of a Comprehensive Toxicity Evaluation System and Identification of Toxicity Influencing Factors	1
	Xinao Li (Student)	1
	North China Electric Power University, China	1
6		1
	Design of Phthalate Substitutes with Low Endocrine Disrupting Effects, Low Aquatic Toxicity and Low Food Chain Transport Effects	1
	Wei He (Student)	1
	North China Electric Power University, China	1
Session V3 (10:15 ET)		5
Environmental Sustainability, Human Health and Ecotoxicology (1)		5
1		1
	/Keynote/ Pollution and Community Health in the Arctic	1
	Arja Rautio	1
	University of Oulu, Finland	1
2		1
	Degradation Pathways And Mechanisms Of Sulfamethoxazole With Magnetic Nano Zero-Valent Iron Combined With Straw-Derived Biochar Based System In Soil	1
	Zhe Wang (Student)	1
	Mermorial University & Shandong University (China)	1
3		1
	Occurrence and Bioaccumulation of Antibiotics in Aquaculture Farms around Shandong Peninsula, China	1
	Xueyan Xu (Student)	1
	Shandong University, China	1
4		1
	Effect of Thermal Processing Techniques on Allergenicity and Structural Changes in Fish	1
	Xin Dong (Student)	1
	McGill University	1
5		1
	Cost-Effectiveness of Local Wastewater-Based Surveillance System Compared to Out-of-Province and Conventional Surveillance System in Newfoundland and Labrador	1
	Thaneswary Rajanderan (Student)	1
	Memorial University	1
Session V4 (Special Session, 10:15 ET)		5
Simulation on Risk Identification, Evaluation and Regulation of Emerging Contaminants (2)		5
1		1
	Characterization and Assessment for Combined Toxicities to Aquatic Organisms of Neonicotinoids and Their Metabolites in Chinese Drinking Water	1
	Yuanyuan Zhao (Student)	1
	North China Electric Power University, China	1
2		1
	Identification of Toxic Mechanism of Persistent Organic Pollutant Polychlorinated Naphthalenes and Alternatives in Aquatic Ecosystem Food Chain (Green Algae-Daphnia Magna-Fish)	1
	Wenwen Gu	1
	North China Electric Power University, China	1
3		1
	Design of Multifunctional Plant Degradation Enzyme with Improved Absorption, Degradation and Mineralization Properties Using 3D-QSAR Model	1
	Minghao Li	1
	Jilin Jianzhu University, China	1
4		1
	Selective Bioremediation of OPFRs in E-Waste Sites: Alternatives Design and Mechanism Analysis Using Multi in Silico Approaches	1
	Jiawen Yang	1
	North China University of Water Resources and Electric Power, China	1
5		1
	Mechanisms of PBBs Carcinogenic AOP Based on Machine Learning Approaches - A Study of a Class of POPs Substances	1
	Luze Yang	1
	Jilin Agricultural University, China	1
Session V5 (12:00 ET)		3
Inland and Marine Oil Spill Response (1)		3
1		1
	Marine Oil Spill Photodegradation and Its Kinetic Model under the Combined Effect of Multiple Factors	1
	Pu Li	1
	Sun Yat-sen University, China	1
2		1
	Particle Method with Applications in Water Flow and for Simulation of the Oil Spill in the Wave Environment	1
	Tibing Xu	1
	The University of Tokyo, Japan	1
3		1
	Mechanism of Nearshore Sediment-Facilitated Oil Transport: New Insights from Machine Learning-Aided Causal Inference Analysis	1
	Hongrui Fu (Student)	1
	Ocean University of China, China	1
Session V6 (12:00 ET)		3
Water and Waste Management (1)		3

1	A Comparative Study on the Impact of Formwork Waste Reduction of a Prefabricated Building on Carbon Emission Based on LCA	1
	Wenbo Zhao (Student)	1
	Xi'an Jiaotong-Liverpool University, China	1
2	Anaerobic Co-digestion of Chicken Manure, Hog Manure and Dairy Manure Under Mesophilic Condition: Optimization of Mixed Manure Recipe	1
	Suman Adhikary	1
	Point 3 Biotech Corp.	1
3	Assessment of Mechanisms and Adsorption Capacities of Ten Biochar Types for the Removal of Micropollutants from Wastewater Effluent	1
	Hadeel Hosney	1
	IHE Delft Institute for Water Education, Netherlands	1
Session V7 (13:15 ET)		4
Environmental Sustainability, Human Health and Ecotoxicology (2)		4
1	/Keynote/ Accelerating Arctic Resilience through Permafrost Thaw: Needs, Opportunities and Approaches	1
	Jennifer Spence	1
	Harvard Kennedy School, Harvard University, United States	1
2	Beyond Waste in Agriculture: An Application Based on Potatoes	1
	Jhoan Paola Chavez Suazo (Student)	1
	University of Northern British Columbia (UNBC)	1
3	Circular Economy as a Sustainable System: A Case Study of Consumer Durables	1
	Yasamin Atabakifardtehrani (Student)	1
	Memorial University	1
4	Co-contamination of Microplastics Released from the Disposable Face Mask and Polybrominated Diphenyl Ethers in Marine Environments	1
	Xing Song	1
	Memorial University	1
Session V8 (13:15 ET)		4
Environmental Modeling and Decision Making		4
1	/Keynote/ Quantifying Uncertainty in Nearshore Currents: Applications Using Fuzzy Mathematics	1
	Caterina Valeo	1
	University of Victoria	1
2	Embedding Physics and Causal Priors into Neural Networks: Novel Techniques for Improved Interpretability and Decision-Making - A Case Study in Metformin Transport Experiment and Modeling	1
	Qiao Kang (Student)	1
	Memorial University	1
3	A Waste Management Optimization Model for Offshore Oil Spill Response	1
	Jiayi Chen (Student)	1
	Memorial University	1
4	Hedonic Price for Catfish: An Analysis for Pangasius Price in Bangladesh	1
	Manzura Khan (Student)	1
	University of Prince Edward Island (UPEI)	1
Session V9 (14:45 ET)		5
Climate Change Mitigation, Adaptation and Planning (2)		5
1	Impact of Coastal Flooding on Social-Ecological Systems in Prince Edward Island	1
	Mohammad Aminur Rahman Shah	1
	University of Prince Edward Island (UPEI)	1
2	Estimating the Daily Future Reference Evapotranspiration by Artificial Neural Networks and Empirical Equation Using Minimum Climatological Data	1
	Junaid Maqsood	1
	University of Prince Edward Island (UPEI)	1
3	Evaluating the Spatial and Temporal Patterns of Precipitation for Prince Edward Island	1
	Rana Ali Nawaz (Student)	1
	University of Prince Edward Island (UPEI)	1
4	Assessment of Climate Change Impacts on Oyster Fisheries in Prince Edward Island	1
	Emmanuel Neokye (Student)	1
	University of Prince Edward Island (UPEI)	1
5	Land Use/Land Cover Analyses Using Different Remotely Sensed Data and Machine Learning Algorithms	1
	Sana Basheer (Student)	1
	University of Prince Edward Island (UPEI)	1
Session V10 (Special Session, 14:45 ET)		5
Exploring the Potential of Construction and Demolition Waste: Opportunities and Challenges		5
1	Characterizations of Alternative Mining Waste Aggregates to be Used as Construction Materials	1
	Yahya El Berdai (Student)	1
	Mohammed VI Polytechnic University, Morocco	1
2	Investigating the Effect of Wood-based Materials' Inclusion on the Insulation Properties of Cementitious Products: A review	1
	Farshad Meftahi (Student)	1
	Concordia University	1
3	Exploring the Feasibility of Reusing Recycled Concrete Aggregates: A Review of Studies in Quebec	1
	Amine el Mahdi Saffhi	1
	Concordia University	1
4	Evaluating Mechanical and Thermal Properties of Cementitious Mixture Contain Wood Waste as Aggregate and Presenting Feasible Application	1
	Amirhossein Gholizadeh Zahmatkesh (Student)	1
	Concordia University	1
5	Recycling Construction and Demolition Waste in Road Infrastructure Applications: A review	1
	Rahma Dhemaied (Student)	1
	Concordia University	1
Session V11 (16:15 ET)		5
Inland and Marine Oil Spill Response (2)		5
1	Sulfate Radical-based Advanced Oxidation Process for Decanting Water On-site Treatment in Oil Spill Response	1
	Guihua Dong (Student)	1
	Memorial University	1
2	Evaluation of the Acclimation of Mangrove Seedlings to Different Oil Concentrations	1
	Luiza Figueira de Siqueira (Student)	1
	Federal University of Bahia , Brazil	1
3	Weathered Oil to Source Oil Identification Using Rapid Direct Analysis in Real Time Time-of-Flight Mass Spectrometry	1
	Krishnaja TikkiSETTY (Student)	1
	Environment and Climate Change Canada (ECCC)	1
4	Efficient and Environmentally Friendly Micro-Extraction Method for the Determination of Multi-Class Polycyclic Aromatic Carbons in Surface Water	1
	Chloe Park (Student)	1

Environment and Climate Change Canada (ECCC)	1
5	1
Development of a Sensitive and Specific Gas Chromatography Quadrupole Time-of-Flight Mass Spectrometry Method for the Determination of Multi-Class Polycyclic Aromatic Hydrocarbons in Soil and Sediment	1
Melissa Elmer (Student)	1
Environment and Climate Change Canada (ECCC)	1
Session V12 (16:15 ET)	6
Water and Waste Management (2)	6
1	1
/Keynote/ Circular Economy Opportunities for Canadian Industry	1
Cameron McCartney	1
National Research Council Canada, Ottawa (NRC)	1
2	1
Biodegradation of Plastics in the Ocean: Temperature Effects on Bacterial Enrichment, Morphology Alteration, and Release of Degradation Products	1
Yuanmei Zhang (Student)	1
Memorial University	1
3	1
Electrochemical Phase Separation and Solubilization of Biomass as a Pretreatment Technique prior to Anaerobic Digestion and Renewable Energy Production	1
Hamed Shahnejat Bushehri (Student)	1
Concordia University	1
4	1
Study of a Permeable Barrier for the Removal of Nitrite and Phosphate with Biosorbents	1
Alenka Daymira Arano Aquize (Student)	1
Universidad Mayor de San Andres, Bolivia	1
5	1
Compound Urban Flood Risk Assessment for the City of Charlottetown	1
Farhan Aziz (Student)	1
University of Prince Edward Island (UPEI)	1
6	1
Conceptualization of Surface Water and Groundwater Interactions in Stoney Creek Watershed, British Columbia, Canada	1
Davood Mahmoodzadeh	1
University of Northern British Columbia (UNBC)	1
Total	56