

Tuesday

August 28

8:00 AM	Registration
9:00 AM – 9:20 AM	Official Opening of Conference
9:20 AM – 10:00 AM	Keynote Lecture 1: <i>Sensing and Control of Pollutants in Surface Water Systems</i> Nikolaos Katopodes
10:00 AM – 10:20 AM	Coffee Break
10:20 AM – 12:20 PM	
Session Number 1 Session Name: Water Pollution and Treatment 1	Session Chairs: Dr. Mamadou Fall & Dr. Pengfei Zhang
10:20 AM – 10:40 AM	Paper 196: " <i>Chlorinated Hydrocarbon Contaminated Site Investigation with Advanced Environmental Forensics Isotope Approach</i> " Yi Wang
10:40 AM – 11:00 AM	Paper 192: " <i>Dry Season Assessment of Portable Quality of Okpuruala Stream In Okoko Item, Bende Local Government Area of Abia State, Nigeria</i> " Nnenna E. Okoronkwo , Emmanuel C. Onyekwere, Sunday O. Eze
11:00 AM – 11:20 AM	Paper 38: " <i>Flocculation of Heavy Metals in Riverine Estuaries (Case Study: Shafaroud River, Iran)</i> " Shima Shamkhali Chenar and Abdureza Karbassi
11:20 AM – 11:40 AM	Paper 229: " <i>Emerging Issue with the Treatment of Emerging Contaminants in Secondary and Advanced Treatment Plants</i> ". Mingu Kim , Paula Guerra, Shirley Anne Smyth, Mehran Alaei
11:40 AM – 12:00 PM	Paper 157: " <i>Filters of Permeable Reactive Barriers: A New Design Approach</i> " Benoît Courcelles

Session Chair:
Dr. J. Thibault

12:00 PM – 12:20 PM	Paper 252: “ <i>Aerobic CO-biodegradation of Linear and Cyclic Naphthenic Acids in a Continuous Biofilm Reactor</i> ” Leisha DSouza, Mehdi Nemati
Session Number 2 Session Name: Environmental Protection	
Session Chairs: Dr. H. Sarma & Dr. Oswald Edeogu	
10:20 AM – 10:40 AM	Paper 161: “ <i>On the Application of High-Resolution Mass Spectrometry to Environmental Analysis</i> ” Pedro Alajandro Segura , Christian Gagnon, Viviane Yargeau
10:40 AM – 11:00 AM	Paper 160: “ <i>Microbial Growth Control in Diesel by Optimization of Sulphur</i> ” N. K. Srivastava , Nitin K. Nandan
11:00 AM – 11:20 AM	Paper 221: “ <i>Livestock-Environment Interactions: Challenges and Opportunities in Armenia</i> ” Diana Vanyan , Armine Simonyan
11:20 AM – 11:40 AM	Paper 193: “ <i>Removal of Dyes from Synthetic Effluents by Adsorption onto Thiolated Boiler Fly Ash</i> ” Nnenna E. Okoronkwo, Jude C. Igwe , Innocent C. Nnorom
11:40 AM – 12:00 PM	Paper 186: “ <i>Decolorization of Biomethanated Distillery Effluent with Fungal Mycelium of Aspergillus Oryzae JSA-1 in Free and in Immobilized Form</i> ” Snehal Agnihotri
12:00 PM – 12:20 PM	Paper 194: “ <i>Sorption Isotherm Studies of Cd²⁺ and Pb²⁺ from Aqueous Solutions using EDTA Modified Boiler Fly Ash</i> ” Nnenna E. Okoronkwo, Jude C. Igwe , Obasi U. E.
12:20 PM – 1:30 PM	Lunch
1:30 PM – 3:30 PM	
Session Number 1 Session Name: Environment Sustainability and Development	
Session Chairs: Dr. A. de Araujo Santos & Dr. Mirian Chieko Shinzato	
1:30 PM – 1:50 PM	Paper 222: “ <i>How to Reduce AC Load of Multi-Family Residences with Insulation–Adapt to Various Climate Characters</i> ” Yupeng Wang , Hiroatsu Fukuda
1:50 PM – 2:10 PM	Paper 254: “ <i>Lithium Recovery from Kaolin Mining Waste Material</i> ” Zubera Iqbal , Neil Rowson, Stuart Blackburn

2:10 PM – 2:30 PM	Paper 113: <i>"Electricity Consumption and Possible Savings"</i> Aslı Gül Öncel		
2:30 PM – 2:50 PM	Paper 189: <i>"Research on the Sustainable Status and Environment Management Achievements of Beijing"</i> Wenyang Zhao, Huiqiang Cheng		
2:50 PM – 3:10 PM	Paper 253: <i>"Treatment of Model Organic Compounds in Microbial Fuel Cell Type Bioreactors"</i> Lyman Moreno, Mehdi Nemati , Bernardo Predicala		
3:10 PM – 3:30 PM	Paper 266: <i>"Biogas Production from Food Waste at Thermophilic Conditions in Batch Mode"</i> Azhar, N. , Baig. M.A., Qazi, I.A., Hassan, M. and Hashmi, I.		
3:30 PM – 3:50 PM	Paper 110: <i>"Energy Management and Process Improvement of Methanol Production"</i> Mohammad Reza Nasr , Amirhoosein Abrishami		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; background-color: #ADD8E6; padding: 5px;"> Session Number 2 Session Name: Wastewater Management and Treatment </td> <td style="width: 40%; background-color: #A9A9A9; padding: 5px; text-align: center;"> Session Chairs: Dr. Snehal Agnihtri & Dr. Abdelsalam Elawwad </td> </tr> </table>		Session Number 2 Session Name: Wastewater Management and Treatment	Session Chairs: Dr. Snehal Agnihtri & Dr. Abdelsalam Elawwad
Session Number 2 Session Name: Wastewater Management and Treatment	Session Chairs: Dr. Snehal Agnihtri & Dr. Abdelsalam Elawwad		
1:30 PM – 1:50 PM	Paper 121: <i>"Treatment Efficiency of an Anaerobic Baffled Reactor Treating Low Biodegradable and Complex Particulate Wastewater (Blackwater) in an ABR Membrane Bioreactor Unit (ABR-MBR)"</i> Joseph Kapuku Bwapwa		
1:50 PM – 2:10 PM	Paper 175: <i>"Formation of Trihalomethanes during Chlorination of Landfill Leachate"</i> Yang Deng, Nanzhu Li		
2:10 PM – 2:30 PM	Paper 236: <i>"The Start-Up of Aerated Submerged Fixed-Bed Biofilm Reactors for Steady State Nitrification"</i> Abdelsalam Elawwad , Hisham Abdel-Halim, Heinz Koeser		
2:30 PM – 2:50 PM	Paper 102: <i>"Optimization of the Combined UV/Electrocoagulation Process for Dye Removal from Textile Wastewater Using Response Surface Methodology"</i> Elmira Pajootan, Mokhtar Arami		
2:50 PM – 3:10 PM	Paper 258: <i>"The Effect of Aeration on Selenate Reduction by Elemental Iron"</i> Sivan Klas , Donald Kirk		
3:10 PM – 3:30 PM	Paper 171: <i>"Simultaneous Adsorption of Multiple Antibiotics on Sludge Derived Materials"</i> Rui Ding, Pengfei Zhang , Mykola Seredych, Teresa Bandosz		

3:30 PM – 3:50 PM	Coffee Break
3:50 PM – 5:30 PM	
Session Number 1 Session Name: Miscellaneous Topics 1	
Session Chairs: Dr. Igor Olivares & Dr. Yi Wang	
3:50 PM – 4:10 PM	Paper 235: <i>“Composite Adsorbents for Environmental Pollutants: Evaluating Design and Environmental Consequences”</i> Linda Önnby , Bo Mattiasson, Harald Kirsebom
4:10 PM – 4:30 PM	Paper 263: <i>“Agglomeration of Silver Nanoparticles in Sea Urchins”</i> Sunthonn Piticharoenphun , Lidija Šiller, Marie-Louise Lemloh, Marielle Salome, Marine Cotte, Burkhard Kaulich, Alessandra Gianoncelli, Budhika Mendis, Ursel Bangert, Nigel R. J. Poolton, Benjamin R. Horrocks, Franz Brümmer, Davorin Medaković
4:30 PM – 4:50 PM	Paper 69: <i>“Climate evolution and the impact on irrigated watersheds”</i> Raphael Abrahao , Jesús Causapé, Daniel Merchán, and Iker García-Garizábal
4:50 PM – 5:10 PM	Paper 105: <i>“Dibenzophenazines Synthesis by a Smart Green Process”</i> Michel Baron , Alain Chamayou, Leslie Carlier, Guy Couarraze
Session Number 2 Session Name: Renewable and Non-renewable Energies & Energy Management	
Session Chairs: Dr. Anton Purnama & Dr. Asli Gül Öncel	
3:50 PM – 4:10 PM	Paper 267: <i>“Electrochemical Features of Functionalized Woven Carbon Fiber and Shewanella sp. Bacteria in a Microbial Fuel Cell”</i> Leila Mahrokh , Hedayatollah Ghorchian
4:10 PM – 4:30 PM	Paper 47: <i>“Stochastic Functional Energy Audit: Towards Residential Hot Water Usage Energy Management and Evaluation in South Africa”</i> Chiemela Onunka

4:30 PM – 4:50 PM	<p>Paper 151: <i>“Isothermal Vapour-Liquid Equilibria for Binary Mixtures of Diisopropyl Ether with 1-Butanol : Experimental Data, Modelling and Prediction”</i></p> <p>Prashant Reddy, Travis Benecke, and Deresh Ramjugernath</p>
4:50 PM – 5:10 PM	<p>Paper 170: <i>“Effects of Hydrolysis and Torrefaction on Pyrolysis product distribution of Spent Mushroom Compost”</i></p> <p>Rene Garrido, Maria N. Ruiz-Felix, Justinus A. Satrio</p>
5:10 PM – 5:30 PM	<p>Paper 167: <i>“Switchgrass for biofuel production and potential agent for extraction of metals from soil”</i></p> <p>Ronald Balsamo, William Kelly, Justinus Satrio</p>

Wednesday

August 29

9:00 AM – 9:40 AM	Keynote Lecture 2: <i>The Evolution of Mine Waste Management from the Geoenvironmental and Geochemical Perspectives</i> Ernest Yanful	Session Chairs: Dr. W. Marshall
9:40 AM – 10:00 AM	Coffee Break	
10:00 AM – 12:20 PM	Poster Session ⁱ	
12:20 PM – 1:30 PM	Lunch	
1:30 PM – 3:30 PM		
Session Name: Air Pollution and Treatment		Session Chairs: Dr. Xiaohong Xu & Dr. Zohreh Fanni
1:30 PM – 1:50 PM	Paper 70: <i>"Examination of Filling Station Queue on the Air Pollution"</i> Sadegh Abedi , Saeed Movahhedi, Seyed Amin Mousavi	
1:50 PM – 2:10 PM	Paper 172: <i>"Development of the optimum conditions to reduce carbon dioxide emissions using anaerobic treatment of wastewater"</i> Najmeh Abedi , Xuejiao Jiang, Catherine Mulligan, Laleh Yerushalmi	
2:10 PM – 2:30 PM	Paper 166: <i>"Long Term Assessment of Xylenes and Ethylbenzene Concentrations and Photochemical Age in Windsor"</i> Xiaohong Xu , Daniel Wang	
2:30 PM – 2:50 PM	Paper 140: <i>"Assessment of Urban Construction Effects on the Atmospheric Threshold Limits and Climate Changes in Tehran"</i> Zohreh Fanni , Zahra Hosayni	

2:50 PM – 3:10 PM	Paper 179: <i>“Effect of Ozone and Distance from a Major Roadway on Nitrogen Oxides Concentrations”</i> Ates Akyurtlu, Jale Akyurtlu
3:10 PM – 3:30 PM	Paper 218: <i>“Ozone Measurements by Using an Unmanned Aerial System”</i> Jir-Ming Char, Chin-Ho Lin
3:30 PM – 3:50 PM	Coffee Break
3:50 PM – 5:30 PM	
Session Name: Soil Pollution and Treatment	
Session Chairs: Dr. Roland Treu & Dr. F. J. Martin Peinado	
3:50 PM – 4:10 PM	Paper 227: <i>“Stabilization and Solidification Technology Implementation in Latvia: First Studies”</i> Juris Burlakovs
4:10 PM – 4:30 PM	Paper 228: <i>“The Use of Creosote for Screening of Basidiomycete Species for Mycoremediation”</i> Roland Treu
4:30 PM – 4:50 PM	Paper 39: <i>“Electrokinetic Remediation with Solar Power for a Homogeneous Soft Clay Contaminated with Copper”</i> Ikrema Hassan, Eltayeb Mophamedelhassan
4:50 PM – 5:10 PM	Paper 104: <i>“Assessing Migration of Uranium through Chalk Substrate: Field Study and Reactive Transport Modelling”</i> Pierre Crancon, Arnaud Mangeret, Laurent De Windt
5:10 PM – 5:30 PM	Paper 247: <i>“Assessment of Arsenic Mobility and Toxicity in Relation to Soil Properties”</i> Ana Romero-Freire, Francisco José Martín-Peinado

i) Please refer to the end of this schedule for the posters' information

Thursday

August 30

9:00 AM – 9:40 AM	Keynote Lecture 3: <i>Use of Photochemical Methods in Treating Pollutants</i> Gopal Achari	Session Chairs: Dr. H. Sarma
9:40 AM – 10:00 AM	Coffee Break	
10:00 AM – 12:20 PM		
Session Name: Water Pollution and Treatment 2		Session Chairs: Dr. James Patrick Abulencia & Dr. Taghi Ebadi
10:00 AM – 10:20 AM	Paper 216: “ <i>Capture Zone of a Multi-Well System in Wedge-Shaped Aquifers for Remediation Purposes</i> ”. Nozar Samani , Somayeh Zarei-Doudeji	
10:20 AM – 10:40 AM	Paper 125: “ <i>Evaluation of Zeolite and GAC as Permeable Reactive Media for Remediation of Landfill Leachate-Contaminated Groundwater</i> ” Mohammad Beheshtian Ardakani, Taghi Ebadi	
10:40 AM – 11:00 AM	Paper 136: “ <i>Application of Support Vector Machines (SVMs) for Monitoring Nitrate Concentrations in Groundwater Resources</i> ” Raheleh Arabgol , Majid Sartaj	
11:00 AM – 11:20 AM	Paper 133: “ <i>A Facile Process for a Biofilm-Inoculation of Bioreactors: Uses in Oilsands Tailings Pond Water Remediation</i> ” Joseph Lemire , Marc Demeter, Iain George, Laura Kaufman, Howard Ceri, Raymond Turner	
11:20 AM – 11:40 AM	Paper 114: “ <i>CORMIX Simulations of Surface Brine Discharges: A Case Study</i> ” Anton Purnama	
11:40 AM – 12:00 PM	Paper 111: “ <i>Source Water Contamination Early Warning System and Modelling in China: A Review</i> ” Alejandra Francisca Burchard-Levine , Shuming Liu	

12:00 PM – 12:20 PM	Paper 177: <i>“Formation of Chloral Hydrate and Dihaloacetonitriles in Drinking Water Disinfected with Chlorine”</i> Hossein Pourmoghadas, Reily Kinman
12:20 PM – 1:30 PM	Lunch
1:30 PM – 3:30 PM	
Session Name: Miscellaneous Topics 2	Session Chairs: Dr. Karen Poon & Dr. Diane Saint-Laurent
1:30 PM – 1:50 PM	Paper 116: <i>“Stress Response Exhibited by Local Algae Increased the Quantity of Toxic Compound”</i> Hang-yu Yu, Shujuan Wang, Zongwei Cai, Karen Poon
1:50 PM – 2:10 PM	Paper 36: <i>“Metals Status of Soils, Surface and Underground Water Sources and Staple Food Crops as Indicators of Environmental Pollution Load in Ebonyi State, South-eastern Nigeria”</i> Chukwu Oswald Edeogu, Celestine Azubuike Afiukwa
2:10 PM – 2:30 PM	Paper 35: <i>“Remediation of Oil Polluted Water Using Date Palm Kernel Powder”</i> Essam A. H. Al Zubaidy
2:30 PM – 2:50 PM	Paper 146: <i>“Influence of Different Microenvironments on Respirable Particulate Matter in Pre-Schools, Kuala Terengganu, Malaysia”</i> Azrin Suroto, Nur Zafirah Mohd Sofian, Marzuki Ismail
2:50 PM – 3:10 PM	Paper 97: <i>“Spatial Distribution of Selected Water Borne Viruses in a Slum Environment in Kampala, Uganda”</i> H. Temanu, A.Y. Katukiza, J.W.A. Foppen, P.N.L. Lens
3:10 PM – 3:30 PM	Paper 117: <i>“The Potential of Greywater Recycling to Aid Sustainable Water Management in South Africa”</i> Babatunde Femi Bakare

Poster Session

August 29

10:00 AM – 12:20 PM

Paper 103: "*Photocatalytic Degradation of Dyes using Activated Carbon/hydrogen Peroxide*"
Shooka Khorramfar, **Mokhtar Arami**, Niyaz Mohammad Mahmoodi, Hajir Bahrami

Paper 107: "*Blended Amines' Effect on Post Combustion CO2 Capture Process*"
Udara Arachchige, Morten Melaaen

Paper 108: "*Multi Criteria Assessment of Ecotourism in Rural Regions*"
Shahrzad Faryadi, Parvaneh Ashouri

Paper 130: "*A Sustainable Water Purification Solution for Rural Communities*"
James Patrick Abulencia, Susan Gallardo

Paper 131: "*Summary of Studies on Emission, Formation, and Flux Measurements of N2O in Rivers*"
Libiao Yang, Kun Lei, Weijin Yan

Paper 135: "*Concentration of Lead and Heavy Metals in Riverine Soils affected by Oil Spills (Québec, Canada)*"
Diane Saint-Laurent, Vernhar Gervais-Beaulac, Francis Baril, Camille Chapados

Paper 138: "*Petroleum Metagenomics and Bioremediation in Marine Environments*"
Ines Zrafi, Abdelghani Sghir, Amina Bakhrouf, Mahmoud Rouabhia, **Dalila Saidane-Mosbahi**

Paper 153: "*A Sensitive and Green Analytical Method for the Analysis of Volatile and SemiVolatiles Contaminants in Water and Environmental Matrices*"
Igor Olivares, Sérgio Costa, Rodrigo Padovam, Ricardo Camargo

Paper 154: "*Contamination of Tunis-navigation Channel by Petroleum Hydrocarbons and Metabolism Biomarker Responses in Molluscan Species*"
Housseem Chalghmi, Ines Zrafi, Mohamed Banni, Amina Bakhrouf, **Dalila Saidane-Mosbahi**

Paper 158: "*Icms Ecológico: Deploying Sustainability*"
Daniel José Cardoso da Silva, Elen Toledo Lima de Aguiar, Adhemar Ranciaro Neto, Luiz Carlos Marques dos Anjos, Luiz Carlos Miranda, **Aldemar de Araujo Santos**

Paper 165: "*Aluminum Recycling: an Environmentally Friendly Process?*"
Mirian Chieko Shinzato, Luis Fernando Wu, Inara Guglielmetti Braz

Paper 181: "*Ethanol Production from Wheat by Mucor Hiemalis*"
Farzane Radmanesh, **Reihaneh Asachi**, Akram Zamani, Keikhosro Karimi

Paper 182: "*Efficient Conversion of Pine Wood to Fermentable Sugar by Alkaline Pretreatment*"
Mahboobe Sadat Noori, Keikhosro Karimi, Akram Zamani, **Reihaneh Asachi**

Paper 183: "*Separation of Silica from Rice Straw to Improve its Hydrolysis for Ethanol Production*"
Hoori Khaleghian, Keikhosro Karimi, Tayebeh Behzad, **Reihaneh Asachi**

Paper 184: "*Chitosan Production From Wheat by Rhizopus Oryzae*"
Reihaneh Asachi, Keikhosro Karimi

Paper 190: "Comparison of Cadmium Bioaccumulation Effect on Cellular Parameters between Green Algae Chlamydomonas Reinhardtii and Chlamydomonas Acidophila"
Mahshid Samadani, François Perreault, **David Dewez**

Paper 214: "*Removal of Ammonia from Air, Using Specific Chemical Reagent*"
Osama Zalat, Mohamed Abo Elfotouh

Paper 219: "*Water Monitoring of Paraíba do Sul River in the City of Lorena - SP, Brazil*"
Adriana Cosentino Garcia, Diovana Aparecida dos Santos Napoleão, Adriano Francisco Siqueira, Hélcio José Izário Filho

Paper 234: "*Contribution of SEQ-water for the Industrial Waste Assessment*"
Tirèche Sihema, Tairi Abdelazizb

Paper 240: "*Analyses of Organochlorines in Small Asian Mongoose as Biomonitoring in Okinawa Island, Japan*"
Yutaka Tashiro, Takafumi Masunaga, Suguru Yamaguchi

Paper 257: "*Socially Responsible Investing: the Green Attitudes and Grey Choices of Brazilian Students*"
Daniel José Cardoso da Silva, Luiz Carlos Marques dos Anjos, Adhemar Ranciaro Neto, Luiz Carlos Miranda, **Aldemar de Araujo Santos**

Paper 259: "*Insights on the Biochemical and Microbial Community Attributes Contributing to RDX Degradation in Surface Soil from an Active Grenade Range?*"
Nicole Sukdeo, Eugene Kuatsjah, Lindsay Eltis, William Mohn, Steven Hallam

Paper 265: "*Effect of Liquid Recirculation Rate on Biotrickling Filter Performance for Hydrogen Sulfide Removal*"
Niloofer Abdehagh, Babak Bonakdarpour, Masoud Taghinejad Namini, Seyed Mohammad Heydarian, Davood Zareh Bonadkooki