

Scientific Program 2019

JOINT EVENT

Proceedings of

22<sup>nd</sup> International Conference on

PAST AND PRESENT RESEARCH  
SYSTEMS ON GREEN CHEMISTRY

&

18<sup>th</sup> International Conference on

INDUSTRIAL CHEMISTRY &  
WATER TREATMENT

April 26-27, 2019 | Vancouver, Canada



# Day 1 | April 26, 2019 | Hall: Alder Room

<b>08:20-09:05</b>	Registrations
<b>09:05-09:35</b>	<b>Opening Ceremony &amp; Introduction</b>
<b>KEYNOTE FORUM</b>	
<b>09:35-10:10</b>	Title: Phasing out fossil fuels by 2050 can hold global warming to 8°C
	<b>Gene R H Fry</b> , Northeast Utilities and Massachusetts Utility Commission, USA
<b>10:10-10:45</b>	Title: Emerging $\pi$ conjugated stretched and contacted helices of substituted polyacetylenes prepared with an organo-rhodium catalyst
	<b>Masayoshi Tabata</b> , Muroran Institute of Technology, Japan
<b>Group Photo</b>	<b>Networking &amp; Refreshment Break 10:45-11:05</b>
<b>11:05-11:40</b>	Title: Green chemistry for functional materials: Atom-economic catalysis for the synthesis of aminated polyolefins
	<b>Laurel L Schafer</b> , The University of British Columbia, Canada
<b>11:40-12:15</b>	Title: The excellent oxygen permeability of novel silicon-containing cis-cisoidal poly (substituted phenylacetylene) membranes
	<b>Toshiki Aoki</b> , Niigata University, Japan
<b>12:15-12:50</b>	Title: Giving carbon a second chance of life: Waste valorization to promote circular economy
	<b>Annarita Salladini</b> , NextChem S.R.L, Italy
<b>Group Photo 12:50-13:00</b>	
<b>Panel Discussion</b>	<b>Lunch Break 13:00-14:00</b>
<b>Sessions</b>	<b>Bioenergy   Energy storage   Green Nanochemistry   Waste Water Minimization   Renewable Energy   Industrial Water Supply   Waste Water Minimization</b>
	Chair: <b>Thomas J Webster</b> , Northeastern University, USA Co-chair: <b>Sampath Kumar M C</b> , B.M.S.College of Engineering, India

<b>14:00-14:25</b>	Title: Improving the quality of waste biomass by reducing the ash content and the inorganic constituents <b>Anthony Lau</b> , University of British Columbia, Canada
<b>14:25-14:50</b>	Title: Critical interface in all-solid-state Li-ion battery <b>Lingzi Sang</b> , University of Alberta, Canada
<b>14:50-15:15</b>	Title: Biogenic metallic nanoparticles from microbiological biofactories to nanometric trojan horses <b>Thomas J Webster</b> , Northeastern University, USA
<b>15:15-15:40</b>	Title: Removal of compounds of emerging concern from wastewater: Concerns and research gaps <b>Gunilla Oberg</b> , University of British Columbia, Canada
<b>Panel Discussion</b>	<b>Networking &amp; Refreshment Break 15:40-16:00</b>
<b>16:00-16:25</b>	Title: Molecular brick building sets for chromophores and catalysts for solar-powered water splitting and CO <sub>2</sub> reduction <b>Steven H Bergens</b> , University of Alberta, Canada
<b>16:25-16:50</b>	Title: Assessment of domestic water quality supplied to households in the Effutu Municipality, Ghana <b>Victus Bobonkey Samlafo</b> , University of Education, Ghana
<b>16:50-17:15</b>	Title: Xanthate removal from wastewater through an electrochemical process <b>Kodadadi Darban Ahmad</b> , Tarbiat Modares University, Iran
<b>Day 1 Concludes</b>	
<b>Day 2   April 27, 2019   Hall: Alder Room</b>	
<b>KEYNOTE FORUM</b>	
<b>09:35-10:10</b>	Title: Major innovations in green chemistry driving the global plastics industry in the context of circular economy <b>Ranganath Shastri</b> , Expert Plastics Solutions de Mexico, Mexico
<b>10:10-10:45</b>	Title: Biopolymers with tunable properties for controlled removal of environmentally relevant anions in water treatment <b>Lee D Wilson</b> , University of Saskatchewan, Canada

<b>Panel Discussion</b>	<b>Networking &amp; Refreshment Break 10:45-11:05</b>
<b>11:05-11:40</b>	Title: Simple amino alcohol and amino amide organocatalysts for asymmetric reactions <b>Hiroto Nakano</b> , Muroran Institute of Technology, Japan
<b>11:40-12:15</b>	Title: Chiral polymers emitting efficient circularly polarized light as OLED material <b>Tamaki Nakano</b> , Hokkaido University, Japan
<b>Sessions</b>	<b>Environmental engineering and Management   Green Chemistry and Technology   Nanotechnology in Environmental Research   Energy Water Analysis   Waste Water Treatment   Electrochemistry</b>  <b>Chair: Masayoshi Tabata</b> , Muroran Institute of Technology, Japan
<b>12:15-12:40</b>	Title: Management of urban land fill with cleaner development mechanisms <b>Sampath Kumar M C</b> , B.M.S.College of Engineering, India
<b>12:40-13:05</b>	Title: Innovative ways to increase application compounding of raw materials in production of mineral fertilizers <b>Maksim Tcikin</b> , JSC NIUIF, Russia
<b>Panel Discussion</b>	<b>Lunch Break 13:05-14:00</b>
<b>14:00-14:25</b>	Title: Development of eco-friendly organic-inorganic hybrid materials and performance evaluation for the removal of anionic inorganic water pollutants <b>Wondalem Misganaw Golie</b> , Defence University, Ethiopia
<b>14:25-14:50</b>	Title: An assessment of renewable energy potential for electricity generation and meeting water shortfall in Pakistan <b>Muhammad Mobin Siddiqi</b> , National University of Sciences and Technology, Pakistan
<b>14:50-15:15</b>	Title: Sulfate reduction in wastewater by chemical modification of corn cob and rice straw <b>Armin Faridi</b> , Islamic Azad University, Iran
<b>15:15-15:40</b>	Title: Heavy metals and kerosene removal from industrial wastewater through the electrocoagulation process <b>Kodadadi Darban Ahmad</b> , Tarbiat Modares University, Iran
<b>Panel Discussion</b>	<b>Networking &amp; Refreshment Break 15:40-16:00</b>

## YOUNG RESEARCH FORUM

<b>Sessions</b>	<b>Green Analytical Chemistry   Ultrapure Water Production</b>
	<b>Chair: Sampath Kumar M C, B.M.S.College of Engineering, India</b>
<b>16:00-16:20</b>	Title: Synthesis and bio-applications of luminescent transition-metal complexes
	<b>Wang Haitao, Hong Kong Baptist University, China</b>
<b>16:20-16:40</b>	Title: Assessing of the concentration of specific heavy metals in seawater of Gaza fishing harbor, Palestine
	<b>Iyad Z M Adwan, University of Malaya, Malaysia</b>
<b>POSTER PRESENTATIONS 16:40-17:10</b>	
<b>Poster Judge</b>	<b>Hiroto Nakano, Muroran Institute of Technology, Japan</b>
<b>P 01</b>	Title: Production of biofuels from sugar industry by-products
	<b>Aurore Richel, University of Liege, Belgium</b>
<b>P 02</b>	Title: Impact of physo-chemical activation on rare earth elements surface properties in concentrated phosphate mineral by planetary ball mill
	<b>Kodadadi Darban Ahmad, Tarbiat Modares University, Iran</b>

## Award & Closing Ceremony

