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Scientific Program

2nd World Conference on

Industrial Chemistry and Water Treatment

May 22-23, 2017 Las Vegas, USA



Conference Series - America
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Day 1 May 22,2017

08:00-08:45 Registrations

HAMPTON EVENT CENTER B

conferenceseries.com 08:50-09:20 **Opening Ceremony**

Keynote Forum

09:20-09:40 **Introduction**

09:45-10:15 **Title: Emerging of Stretched and Contracted Helices of Substituted Polyacetylenes and its Molecular Oscillation in Solution**
Masayoshi Tabata, Muroran Institute of Technology, Japan

10:15-10:45 **Title: Integrated membrane processes for sustainable industrial production and water treatment**
Lidietta Giorno, Institute on Membrane Technology, National Research Council, Italy **Lidietta Giorno,**

Group Photo

Networking & Refreshment Break 10:45-11:05 @ Foyer

11:05-11:35 **Title: Chemoenzymatic Synthesis of Polysaccharide-grafted Polymeric Materials**
Jun-ichi Kadokawa, Kagoshima University, Japan

11:35-12:05 **Title: Numerical simulation of laterally confined vertical buoyant jets**
Majid Mohammadian, University of Ottawa, Canada

Sessions:

Industrial Chemistry | Organic Chemistry: Mech and Biomol | Inorganic Chemistry: The Elements | Medicinal Chemistry: Fusion of Traditional Medicine | Chemistry of Transition Elements | Drug Chemistry | Food Chemistry | Electrochemistry

Session Chair: Masayoshi Tabata, Muroran Institute of Technology, Japan
Session Co-Chair: Jun-ichi Kadokawa, Kagoshima University, Japan
Session Co-Chair: Majid Mohammadian, University of Ottawa, Canada

Session Introduction

12:05-12:30 **Title: Properties of porous alumina ceramics**
Zaw Ye Maw Oo, Mendeleev University of Chemical Technology of Russia, Russia

12:30-12:55 **Title: Optimization using central composite design (CCD) and the desirability function for biosorption of methylene blue from aqueous solution onto dried sunflower seed hull**
Gbekeloluwa Oguntimein, USA

Lunch Break 13:00-13:50 @ Coral

13:55-14:20 **Title: Hybrid Water Treatment Process of Alumina Ceramic Ultrafiltration and PP Beads with Air Back-flushing: Effect of pH and Polypropylene Beads**
Jin Yong Park, Hallym University, South Korea

14:20-14:45 **Title: Small organic molecules as catalysts for asymmetric direct aldol reactions in aqueous media: A green chemistry approach for industrial applications**
Kartick C Bhowmick, University of Texas at San Antonio, USA

Sessions:

Boiler Water Treatment | Cooling Water Treatment | Green Water Treatment | Membrane Treatment | Raw Water / Potable Water Preparation | Waste Water Treatment | Nano Materials in Water Treatment | Ultrapure Water Production

14:45-15:10 **Title: Process improvement for arsenic removal from“dirty acid wastewater**
Dongyun Du, South-Central University for Nationalities, China

15:10-15:35 **Title: Graphene Modified Anodes in a Cross-Linked Microbial Fuel Cell (CMFC) for the Treatment of Real Wastewaters and Energy Generation**
Arvind Mungray, National Institute of Technology, India

15:35-16:05 **Title: Continuous fixed-bed column study for the removal of nitrate from water using chitosan/ alumina composite**
Wondalem Misganaw Golie, Indian Institute of Technology Delhi, India

16:05-16:30	**Title: Water-saving eco-friendly cooling tower development and its performance evaluations** **Xiaomin Wu,** Tsinghua University, China
	Networking & Refreshment Break 16:30-16:50 @ Foyer
16:50-17:15	**Title: Functionalized gold nanoparticles based colorimetric sensors for heavy metal ions from waste water** **Palash Mondal,** Arizona State University, USA
17:15-17:40	**Title: Membrane condensers as emerging technology for water recovery from waste gaseous streams** **Adele Brunetti,** The University of Calabria, Italy
17:40-18:05	**Title: The potential of natural gelatin generated from Sisymbrium irio seed in water treatment processes** **Soraya Hosseini,** Malyasia
18:05-18:30	**Title: Reduction on water consumption on a cooling tower with the application of a novel biocide** **Anderson Jose Beber,** Solenis Water Technologies, Brazil

Day 2 May 23, 2017

HAMPTON EVENT CENTER B

Keynote Forum

09:00-09:30	**Title: Precise Synthesis of Substituted Polyacetylenes** **Fumio Sanda,** Kansai University, Japan
09:30-10:00	**Title: Crystalline/amorphous low energy bandgap TiO_2 materials prepared in solution and their industrial applications** **Hyoyoung Lee,** Sungkyunkwan University, Republic of Korea
10:00-10:30	**Title: Unusual phenomena in helix-sense-selective polymerization of achiral acetylenes** **Toshiki Aoki,** Niigata University, Japan
	Networking & Refreshment Break 10:30-10:50 @ Foyer
10:50-11:20	**Title: Hydrogen Technology for Automobiles in the 21st Century Towards a More Secure and Cleaner** **Dhanesh Chandra,** University of Nevada, USA
11:20-11:50	**Title : Color gradation of substituted polyacetylenes: Molecular design, synthesis, and characterization of their helical structures** **Yasuteru Mawatari,** Muroran Institute of Technology, Japan

Sessions:

Agro-based Industries and Industrial Processes | Chemicals & Pharmaceuticals | Food, Beverage & Tobacco | Industrial Water Supply | Geochemistry | Mining & Metallurgy | Oil & Gas | Power Generation | Paper & Pulp | Desalination | Membrane Technology-Nano Filtration and Reverse Osmosis | Hazardous Waste Management | Petro-Chemistry | Lead Drug Discovery | Petroleum and Polymer Processing | White Biotechnology and Green Chemistry | Material Science and Chemical Metallurgy | Industrial Photo Chemistry

Session Chair: Lidietta Giorno, Institute on Membrane Technology, National Research Council, Italy
Session Co-chair: Hyoyoung Lee, Sungkyunkwan University, Republic of Korea
Session Co-chair: Toshiki Aoki, Niigata University, Japan

Session Introduction

11:50-12:15	**Title: Filed Demonstration of a portable TS-af-HFM nanofiltration process for the cost-effective treatment of oilfield produced water** **Jianjia Yu,** PRRC/New Mexico Tech, USA
12:15-12:40	**Title: Application of Ultrasound to control and Enhance Performance of Dynamic Membrane in Anaerobic Bioreactor** **Alka A. Mungray,** National Institute of Technology, India
12:40-13:05	**Title: Quality assessment of groundwater from Avenorfeme: Akatsi District, Ghana** **Victus Samlafo,** University of Education, Ghana
	Lunch Break 13:05-14:00 @ Coral

14:00-14:25	**Title: Preparation and characterization of chitosan coated diatomaceous earth for hexavalent chromium removal** **Suhaib Salih,** University of Missouri-Columbia, Missouri
14:25-14:50	**Title: A numerical study on longitudinal vortex induced enhancement of mass transfer in a membrane channel** **Jingchun Min,** Tsinghua University, China
14:50-15:15	**Title: Decontamination of polluted water by veterinary antibiotics by studying the photochemical behavior under light excitation** **Soumaya Mezghich,** Blaise Pascal University, France
15:15-15:40	**Title: A Green Polyester and Products from Carbon Dioxide, Water and Solar Power** **Jian Yu,** University of Hawaii at Manoa, USA
15:40-16:05	**Title: Porous Silicon Nanoparticles and Magnetite-Chitosan-Reduced Graphene Oxide for Simultaneous Removal of Heavy Metals and Anionic Surfactant** **Mingtan Hai,** University of Science and Technology Beijing, China
16:05-16:30	**Title: Microwave Applications in Petroleum Processing** **Adango Miadonye,** Cape Breton University, Canada

Networking & Refreshment Break 16:30-16:55 @ Foyer

Poster Presentation 17:00-18:00

INDUSCHEM 01	**Title: Inactivation and degradation of antibiotic-resistant bacteria and its gene by Cu(II)/H_2O_2 system** **Byung-Taek Oh,** Chonbuk National University, Republic of Korea
INDUSCHEM 02	**Title: Physico-Chemical Analysis of Bore – Well Water Of Kheda District, Gujarat (India)** **Disha Soni,** J& J College of Science, India
INDUSCHEM 03	**Title: Water-saving eco-friendly cooling tower development and its performance evaluations** **Rasoul Kazemi,** Azad University, Iran
INDUSCHEM 04	**Title: Water Hyacinth: from threat to value-added product via HTC** **Silvia Roman,** University of Extremadura (UEX), Spain
INDUSCHEM 05	**Title: Microalgae nitrogen recovery using hydrothermal carbonization** **Silvia Roman,** University of Extremadura (UEX), Spain
INDUSCHEM 06	**Title: Other Seawater Desalination Method** **Guyteau Bayard,** Canada
INDUSCHEM 07	**Title: Modelling of temperature for Simple Solar Still hybrid with Heat Pump (SSDHP)** **Hidouri Khaoula,** National engineering school of Gabes, Tunisia
INDUSCHEM 08	**Title: Investigation of the efficiency of conventional water treatment processes for the elimination of TOC in Jalaliyeh water treatment plant, Tehran, Iran** **Ali Asghar Najafpoor,** The University of Newcastle, Australia
INDUSCHEM 09	**Title: Synthesis of Fe_3O_4/kaolin magnetic nano-composite and its application in wastewater treatment** **A Magdy,** Alexandria University, Egypt
INDUSCHEM 10	**Title: Kinetics and mechanism of sorption of Cr(VI) by nanoparticles of synthetic magnetite** **O D Linnikov,** Russian Academy of Sciences, Russia

Panel Discussion

Award Ceremony

