

2nd World Conference on

INDUSTRIAL CHEMISTRY AND WATER TREATMENT

May 22-23, 2017 Las Vegas, USA



Conference Series LLC Ltd

47 Churchfield Road, London, UK, W3 6AY Toll Free: +1-800-014-8923

HAMPTON EVENT CENTER B

conference**series**.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, Malaysia

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 TiO₂ 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: Lidieta 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: Field 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
Mingtian 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)/H₂O₂ 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 Fe₃O₄/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

