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2nd International Conference and Expo on

Water Microbiology & Novel Technologies

August 28-30, 2017 Philadelphia, USA



Conference Series - America
One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
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Conference Series - UK
Kemp House, 152 City Road, London EC1V 2NX Toll Free: +1-800-216-6499

Day 1 August 28, 2017

09:15-09:30 Registrations

Liberty A+B

conferenceseries.com 09:30-10:00 **Opening Ceremony**

Keynote Forum

10:00-10:40 **Title: Microbial growth and biofilm formation in the capillary fringe above the groundwater table**
Josef Winter, Karlsruhe Institute of Technology, Germany

Panel Discussion

Networking & Refreshment Break 10:40-11:00

11:00-11:30 **Title: Antibiotic resistance in urban environmental waters**
Karina Gin, National University of Singapore, Singapore

Sessions: Drinking Water Microbiology and WasteWater Treatment | Water Borne Disease | Water Safety

Session Chair: Claudia Gallert, University of Applied Science Emden Leer, Germany

Session Introduction

11:30-12:00 **Title: The drinking water treatment process as a potential source of affecting the bacterial antibiotic resistance**
Xiaohui Bai, Shanghai Jiao Tong University, China

12:00-12:30 **Title: Kinetically regulated utilization and detoxification of acrylate is a key mechanism for marine bacterial DMSP metabolism**
Yu-Zhong Zhang, Shandong University, China

12:30-13:00 **Title: Design and performance of a water treatment system suitable for rice planting**
LI Gu, Chinese Academy of Fishery Sciences, China

Panel Discussion

Lunch Break 13:00-14:00 @ Benjamin's Restaurant

14:00-14:30 **Title: Sulfur cycle-based bioprocess for co-treatment of wet flue gas desulfurization wastes with fresh sewage**
Jin Qian, Northwestern Polytechnical University, China

14:30-15:00 **Title: Safety in Water Reuse – Semi-quantitative risk assessment approach for non-potable uses**
Anabela Rebelo, Portuguese Environment Agency, Portugal

15:00-15:30 **Title: Confirming drinking water quality and improving distribution system monitoring: Appraisal of an enhanced portable instrument for scale and bio-film forming analytes**
Keith McLeroy, Ecolyse, USA

Panel Discussion

Networking & Refreshment Break 15:30-16:00

Day 2 August 29, 2017

Liberty A+B

Keynote Forum

Introduction

10:00-11:00 **Title: Multiresistant bacteria in aqueous environment**
Claudia Gallert, University of Applied Science Emden Leer, Germany

Panel Discussion

Networking & Refreshment Break 11:00-11:20

Sessions: Water Technology and Its Applications | Biofilms in Drinking Water

Session Chair: Josef Winter, Karlsruhe Institute of Technology, Germany

	Session Introduction
	Workshop
11:20-12:20	**Title: Monitoring and modeling pathogens in recreational waters** **Karina Gin,** National University of Singapore, Singapore
12:20-12:50	**Title: Evaluation of household level constructed wetland model for domestic wastewater treatment** **Mahwish Ali,** Quaid-i-Azam University, Pakistan
	Panel Discussion
	Lunch Break 12:50-13:50 @ Benjamin's Restaurant
13:50-14:20	**Title: Drinking water improvements** **Raafat Abdeldayem,** Mansoura University, Egypt
14:20-14:50	**Title: Soroprevalence of *Toxoplasma gondii* in blood birds (Gallus gallus domesticus) from the rural area of Diorama-GO** **Antonio de Freitas,** Faculdade Montes Belos, Brazil
14:50-15:20	**Title: Peristalsis of water based nanofluids with variable thermal conductivity and viscosity** **Fahad Munir Abbasi,** COMSATS Institute of Information Technology, Pakistan
	Video Presentations @ 15:20-16:00
V01	**Title: Molecular methods resolve the bacterial composition of natural marine biofilms on galvanically coupled stainless steel cathodes** **Athenia Oldham,** University of Texas of the Permian Basin, USA
V02	**Title: Microbiological assessment of drinking water quality of Delhi, India** **Abhishek Chauhan,** Amity University, India
V03	**Title: Detection of Enteric Viruses and Index Indicators for Evaluating Sachet Water Quality** **Oluwakayode Temitope,** Obafemi Awolowo University, Nigeria
V04	**Title: Microbiological examination of fish pond biofilms and fish pond water from selected fish ponds, Okigwe, Imo State, Nigeria.** **Vince Chukwu,** Federal University, Nigeria
V05	**Title: Purification and characterization of uricase enzyme isolated from *Bacillus spp*** **Saad Sattar,** Nusrat Jahan College, Pakistan
	Panel Discussion
	Networking & Refreshment Break 16:00-16:15
	Poster Presentations @ 16:15-17:00
	Poster Judge: Xiaohui Bai, Shanghong University, China
P01	**Title: Occurrence of verotoxigenic *Escherichia coli* in irrigation waters and its public health implications** **Esraa A El-Shafiee,** Cairo University, Egypt
P02	**Title: Degradation of Odorous Compounds formed from *Cyanobacteria* Using Atmospheric Pressure Plasma** **Y S Mok,** Jeju National University, Korea
P03	**Title: Production of antimicrobial agents by marine *Bacillus subtilis*: Application of Plackett-Burman and Box Behnken experimental designs** **Sahar Wefky Mostafa Hassan,** National Institute of Oceanography and Fisheries, Egypt
P04	**Title: Analytic study of emergency departments water from general hospitals of Syrian Coast** **Rim M Harfouch,** Al Andalus University College of Pharmacy, Syria
P05	**Title: Antagonistic interactions and phylogenetic diversity of antimicrobial agents producing marine bacteria in Suez Bay** **Sahar Wefky Mostafa Hassan,** National Institute of Oceanography and Fisheries, Egypt
P06	**Title: Flocculation of rubber factory waste water with calcium and polyelectrolytes** **Ndi Koungou Sylvere,** University of Ngaoundere, Cameroon
	Panel Discussion
	Award & Closing Cermony
	Day 3 August 30, 2017
	Liberty A+B
	Networking Session @ 10:00-10:40
	Networking & Refreshment Break 10:40-11:00
	Extended Networking Session @ 11:00-13:00
	Lunch Break 13:00-14:00 @ Benjamin's Restaurant