Tentative Program



2nd International Conference and Expo on

Water Microbiology & Novel Technologies

August 28-30, 2017 Philadelphia, Pennsylvania, USA



For available speaker slots

http://water.conferenceseries.com/

Conference Secretariat

2360 Corporate Circle, Suite 400 Henderson, NV 89074-7722, USA

Tel: +1-888-843-8169, Fax: +1-650-618-1417

Ph: +1-650-268-9744, Toll free: +1-800-216-6499

Email: :wattech@microbiologyconferences.org



Welcome Message from the Mayor

CITY OF PHILADELPHIA

OFFICE OF THE MAYOR
215 City Hall
Philadelphia, PA 19107
(215) 686-2181
FAX (215) 686-2180

JAMES F. KENNEY
Mayor

August 28, 2017

Dear Friends:

I am writing to express my best wishes as you gather here for the 2nd International conference and Expo on Water Microbiology & Novel Technologies. I am pleased to welcome you to Philadelphia for this special occasion.

I am looking forward to a spirited conference that allows the leading specialists in the area of water microbiology to share the latest research in this field. This event provides an important platform for the exchange of ideas that will allow us to address the critical issues pertaining to water microbiology, such as how to battle water-borne diseases .It is essential that we find meaningful solutions to these vexing problems. I applaud you for your commitment to this important work and your eagerness to create a more sustainable future for us all.

Again, please accept my best wishes for a successful conference. During your visit, I hope you will take the opportunity to enjoy the historical and cultural attractions that make Philadelphia such as desirable place to live, work and play

On behalf of the city of Philadelphia, We look forward to hosting you

Sincerely,

James F. Kenny
Mayor

Tentative Program

2nd International Conference and Expo on

Water Microbiology & Novel Technologies

(10 Plenary Forums 3 days 1 Event)

August 28-30, 2017 Philadelphia, Pennsylvania, USA

Tentative Scientific Program
Speaker opportunities available, submit your abstract online @http://water.conferenceseries.com/abstract-submission.php
Keynote Forum
Microbial Community Structures and their associations with storage tank sediments in drinking water distribution systems of the United States Jingrang Lu, EPA, Office of Research and Development, Cincinnati, Ohio, USA;
Multiresistant bacteria in aqueous environment Claudia Gallert University of Applied Science Emden Leer, Germany
Microbial growth and biofilm formation in the capillary fringe above the groundwater table Josef Winter, Karlsruhe Institute of Technology, Germany
******Speaker slots Available*****
Kinetically regulated utilization and detoxification of acrylate is a key mechanism for marine bacterial DMSP metabolism Yu-Zhong Zhang, Shandong University, China
Water Biosensor Challenge to Address Toxicity of Water, Eunice Varughese, EPA, Office of Research and Development, Cincinnati, Ohio, USA
Confirming Drinking Water Quality and Improving Distribution System Monitoring: Appraisal of an Enhanced Portable Instrument for Scale and Bio-Film Forming Analytes Keith McElroy, Senior Consultant, Ecolyse
The drinking water treatment process as a potential source of affecting the bacterial antibiotic resistance Xiaohui Bai, Shanghai Jiao Tong University, China
Determining the Antimicrobial Resistance Profiles of Diarrheagenic Escherichia coli Strains from Rainwater Harvesting Tanks in Eastern Cape, South Africa Mokaba Shirley Malema, Council for scientific and industrial research, meiring naude road, Lynnwood, Pretoria
******Speaker slots Available*****
Soroprevalence of Toxoplasma gondii in blood birds (Gallus gallus domesticus) from the rural area of Diorama-GO Antônio de Freitas Gonçalves Júnior, Laboratório de Microbiologia, Brazil

Tentative Program

Quality of drinking water in Mafikeng, South Africa,
Suma George Mulamattathil, University of Limpopo, Sovenga 0727, South Africa.

Microbiological assessment of drinking water quality of Delhi,
Abhishek Chauhan, Amity University, India

Detection of Enteric Viruses and Index Indicators for Evaluating Sachet Water Quality
Adekunle, Oluwakayode Temitope, Obafemi Awolowo University, Nigeria

Environmental distribution, sources, fate, effects and importance of microplastics in the marine environment
Auta, H.S, Federal University of Technology, Minna, Nigeria

Comparison of Some Physico-Chemical Parameters of Yewa River (Ogun State, Southwest Nigeria) With National and International Standard
RAJI Iyabode, Lati Lagos State University, Ojo, Lagos, Nigeria.

******Speaker slots Available*****

Antimicrobial Activity of Clove Oil against Microbes Isolated from Water
Prati Pal Singh Centre of Infectious Diseases, Department of Pharmacology and Toxicology, India

Isolation and Characterization of Rhizobacteria from banana plant as growth promoting and biocontrol agent against soil borne pathogen
Ibrar Khan,Hazara University, Pakistan

Fungal strain Aspergillus flavus F3 as a potential candidate for the removal of lead (II) and chromium (VI) from contaminated soil
Sadia Qayyum, Ocean University of China, China

Flocculation Of Rubber Factory Waste Water With Calcium And Polyelectrolytes,
Ndi Koungou Sylvere, University of Ngaoundere, Cameroon

Microbiological examination of fish pond biofilms and fish pond water from selected fish ponds, okigwe, imo state, Nigeria
Vince Chukwu, Federal University , Nigeria

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

Major Scientific Sessions

- Water Microbiology
- Waste-Water Microbiology
- Water Related Infectious Disease
- Water Borne Diseases
- Water Testing
- Bioremediation, Biofilms and Biofouling: Water System
- Cyanobacteria-Toxins in Drinking Water
- Current Technology and Water Applications
- Sanitary Importance Microbes
- Water Microbiology: Ecological approach
- Water Parasites
- Water Safety
- Water Analysis

Best Poster Award



- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates



Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

General Queries
wattech@microbiologyconferences.org

Conference Venue

Philadelphia, Pennsylvania, USA

Contact us
America: Conference Series LLC
Water Microbiology & Novel Technologies-2017
2360 Corporate Circle., Suite 400 Henderson,
NV 89074-7722, USA
Phone: +1-888-843-8169, Fax: +1-650-618-1417,
Toll free: +1-800-216-6499
Email: wattech@microbiologyconferences.org

Contact us
UK: Conference Series LLC
Water Microbiology & Novel Technologies-2017
Heathrow Stockley Park Lakeside House
1 Furzeground Way, Heathrow
UB11 1BD, UK
Tel: +1-800-216-6499
Email: wattech@microbiologyconferences.org

Contact us
Asia-Pacific: Conference Series LLC
Water Microbiology & Novel Technologies-2017
Divyasree Building, Raidurg
6th Floor, North Block
Hyderabad 500032, INDIA
Tel: 040-33432309
Email: wattech@microbiologyconferences.org

Microbiology Past Conference Glimpses





















Microbiology Past Conference Glimpses














About Philadelphia, Pennsylvania, USA

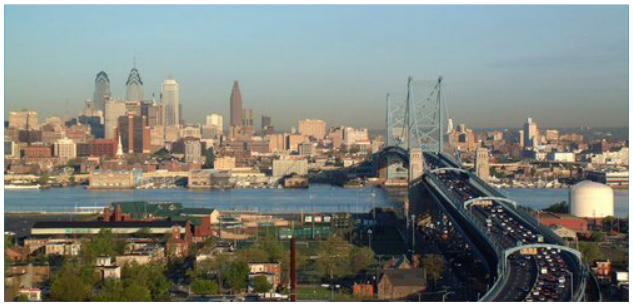
Philadelphia the only World Heritage City in the United States. This is the largest city in the Commonwealth of Pennsylvania and the fifth-most-populous in the United States. The area has many universities and colleges make Philadelphia a top international study destination, as the city has evolved into an educational and economic hub. Philadelphia is the center of economic activity in Pennsylvania and is home to seven Fortune 1000 companies. With a gross domestic product of $388 billion, Philadelphia ranks ninth among world cities and fourth in the nation. Philadelphia is also home to a handful of biotechnology, pharmaceutical and medical device companies. ALS Biopharma, Areon Biosciences, Atrin Pharmaceuticals, Digna Biotech, Enantigen Therapeutics, MB Research Laboratories, One World Biotech, Impact Biologicals are just to name a few of the companies which are located in the state of Philadelphia. The city is also home to five schools of medicine: Drexel University College of Medicine, Perelman School of Medicine at the University of Pennsylvania, Philadelphia College of Osteopathic Medicine, Temple University School of Medicine, and the Thomas Jefferson University. Hospitals, universities, and higher education research institutions in Philadelphia has four congressional districts received more than $252 million in National Institutes of Health grants in 2015. The city is known for its arts, culture, and history, attracting over 39 million domestic tourists in 2013. The city is known for its hoagies, scrapple, soft pretzels, water ice, Irish potato candy, Tastykake, and is home to the cheesesteak. Philadelphia is home to many national historical sites that relate to the founding of the United States and welcomes around 40 million visitors every year from all around the world as tourists. From incredible historic sites with roots that date back to the beginning of our country has history like Independence National Historical Park, to places that house great works of art such as the Philadelphia Museum of Art, to incredible food venues, and gardens that will have you talking about their beauty for a long time afterwards, this city is loaded with incredible attractions. So holiday in Philadelphia, USA affords access to enjoy great sites relating to the history and ancient culture of USA



Plan your Trip to Philadelphia, Pennsylvania, USA



Philadelphia



Philadelphia



Philadelphia



Flower-Show-Weekend-Picks



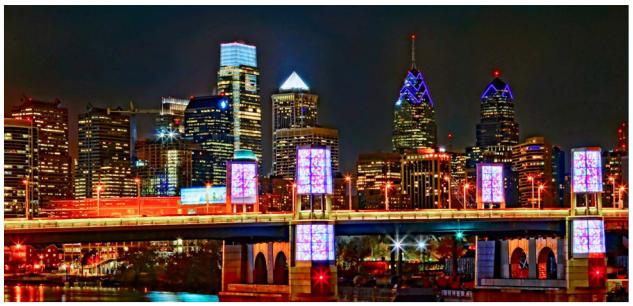
Skyline



Philadelphia



Ppl-Park-Philadelphia



South-Street-Bridge-Philadelphia

conferenceseries.com

International Conference and Expo on

Water Microbiology & Novel Technologies

July 18-19, 2016 Chicago, USA

Scientific Program



Day 1 **July 18, 2016**

08:30-09:00 Registrations

Vienna

conferenceseries.com **09:00-09:20** **Opening Ceremony**

Keynote Forum

09:20-09:30 Introduction

09:30-10:00 Title: qPCR and RT-qPCR of Harmful *Cyanobacteria* at Lake Harsha, OH, during Summer
Jingrang Lu, U.S. Environmental Protection Agency, USA

Session

Drinking Water Microbiology and WasteWater Treatment | Water Related infections

Session Chair: Jingrang Lu, Environmental Protection Agency, USA

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

Session Introduction

10.00-10.25 Title: Elimination of micro-pollutants and pathogenic (antibiotic resistant) bacteria by advanced wastewater treatment technologies
Claudia Gallert, University of Applied Science Emden Leer, Germany

Networking & Refreshments 10.25-10.40 @ Foyer

10.40-11.05 Title: Legionella ecology in drinking water distribution
Malka Halpern, University of Haifa, Israel

11.05-11:30 Title: Assessment of Human Viruses in Municipal Wastewater in Calgary, Canada
Yuanyuan Qiu, University of Alberta, Canada

11.30-11:55 Title: Creation of synthetic mutualism to improve understanding of the relationships between microalgae and bacteria in fresh water
Luz E. de-Bashan, The Bashan Institute of Science, USA

11:55-12.20 Title: Photodynamic inactivation of microorganisms in wastewaters: an effective approach with low environmental impact
Adelaide Almeida, University of Aveiro, Portugal

12.20-12.45 Title: Laser Optical Sensor for Rapid On-Plate Screening of Water and Food-borne Pathogens
Arun K. Bhunia, Purdue University, USA

12.45-13.10 Title: Oracle Water, the Safeguard of Humankind against Viruses and Germs
Han Sup Uhm, Kwangwoon University, South Korea

Lunch Break 13.10-13.55 @ Athens

13.55-14.10 Title: Microbiology in arsenate and selenate containing groundwater
Josef Winter, Karlsruhe Institute of Technology, Germany

14.10-14.35 Title: Future wastewater solutions: removal of pharmaceuticals in conventional wastewater treatment plants
Thomas Jensen,Technical University of Denmark, Denmark

14.35-15.00 Title: Methane potential of acetate-rich wastewater and the effect of lignin presence
Lourdes Maria Rodriguez Chiang, Aalto University, Finland

15.00-15.25 Title: Dry Preservation of Xylem Water Filters for Point-of-Use Filtration of Microbes from Drinking Water
Krithika Ramchander, Massachussets Institute of Technology, USA

15.25-15.50 Title: U-LCA-PWTPs -Using Life Cycle Assessment as a tool for potable water treatment plants (PWTPs)
Oscar Orlando Ortiz-Rodriguez, Universidad de Pamplona, Colombia, USA

15.50-16.15 Title: Anomalous behaviour of water
Chang Q Sun, Nanyang Technological University, Singapore

Networking & Refreshments 16.15-16.30 @ Foyer

16.30-16.55 Title: Towards a specific controlling strategy to prevent filamentous bulking and foaming considered as the last major unsolved problem in operation of activated sludge systems
Thiemo Dunkel, University of Duisburg-Essen, Germany

16.55-17.20 **Exhibitor Talk**
Ann Packingham, Innovaprep, USA

Day 2 July 19, 2016

Vienna

Keynote Forum

09.45-10.20 **Title: Synthetic mutualism between microalgae and plant growth-promoting bacteria for tertiary wastewater treatment**
Yoav Bashan, The Bashan Institute of Science, USA

Networking & Refreshments 10.20-10.35 @ Foyer

Session

Water Technology and Its Applications | Biofilms in Drinking Water | Water Borne Disease

Session Chair: Yoav Bashan, The Bashan Institute of Science, USA
Session Co-Chair: Robert Armon, Israel Institute of Technology, Israel

Session Introduction

10.35-11.00 **Title: Macromolecular Fingerprinting in Sol-gel Materials for Rapid Bacterial Recognition in Water Samples via QCM Detection**
Robert Armon, Israel Institute of Technology, Israel

11.00-11.25 **Title: Microbial community analysis of anaerobic digesters during biotransformation of nonylphenol diethoxylate**
F Dilek Sanin, Middle East Technical University, Turkey

11.25-11.50 **Title: Comparison of four membranes in a bioelectrochemical system designed for nitrate removal from groundwater**
Selim Latif Sanin, Hacettepe University, Turkey

11.50-12.15 **Title: Surveillance of intestinal protozoans and multidrug resistant bacteria from various water samples from the Philippines**
J Dungca, Centro Escolar University, Manila, Philippines

12.15-12.40 **Title: Composition and structure of denitrifying bacterial biofilm**
Anuradha S Nerurkar, The Maharaja Sayajirao University of Baroda, India

Lunch Break 12.40-13.30 @ Athens

13.30-13.55 **Title: Biofilm Disassembly and prevention by Glycosyl Hydrolase**
Luyan Z Ma, Chinese Academy of Sciences, China

13.55-14.20 **Title: Bioactivity Effect of Two Macrophytes Extracts on Growth Performance of Two Bloom-Forming Cyanophytes**
Ghobrial M G, National Institute of Oceanography and Fisheries, Egypt

14.20-14.45 **Title: Effects of Captopril & Lisinopril (ACE Inhibitor drugs) on Insulin Release**
Ghulam Rasool Mashori, PUMHS for Women, Pakistan

14.45-15.10 **Title: Water Borne Diseases, Its Adversity With Compromised Immune System**
Kausar Khan, University of Karachi, Pakistan

15.10-15.35 **Title: HABs Identification system based on mobile Networked technologies Morphologic, genetic and optic caracterization of toxic and non toxic Microcystis *Aeruginosa* HABs**
Susana Deus Alvarez, Instituto de Investigación Biológica Clemente Estable (IIBCE), Uruguay

Networking & Refreshments 16.05-16.20 @ Foyer

Poster Sessions @ 15.35-16.35

Poster Judges: Josef Winter, Karlsruhe Institute of Technology, Germany
Malka Hapren, University of Haifa, Israel

P01 **Title: Determination of Rotavirus in raw Colombian water by using fluoromagnetic detection**
Raquel Amanda Villamizar Gallardo, Universidad de Pamplona, USA

P02 **Title: Phage therapy in the inactivation of *Aeromonas salmonicida* in aquaculture systems: Inactivation in water and in juvenile Senegalese sole (Solea senegalensis)**
Adelaide Almeida, University of Aveiro, Portugal

P03 **Title: Anti-norovirus activity of lemongrass essential oil**
Sung-Joon Lee, Republic of Korea University, Korea

P04 **Title: Isolation of environmental bacteria from surface and drinking water in Mafikeng, South Africa and characterization using their antibiotic resistance profiles**
Suma George Mulamattathil, University of Limpopo, South Africa

P05 **Title: Development of silver nanorods enhanced fluosrscece substate for microarray analysis**
Seok-min Kim, Chung-Ang University, Korea

P06 **Title: A novel approach toward the biodegradation of xenobiotic polymer**
Nazia Khatoon, Duke University, USA

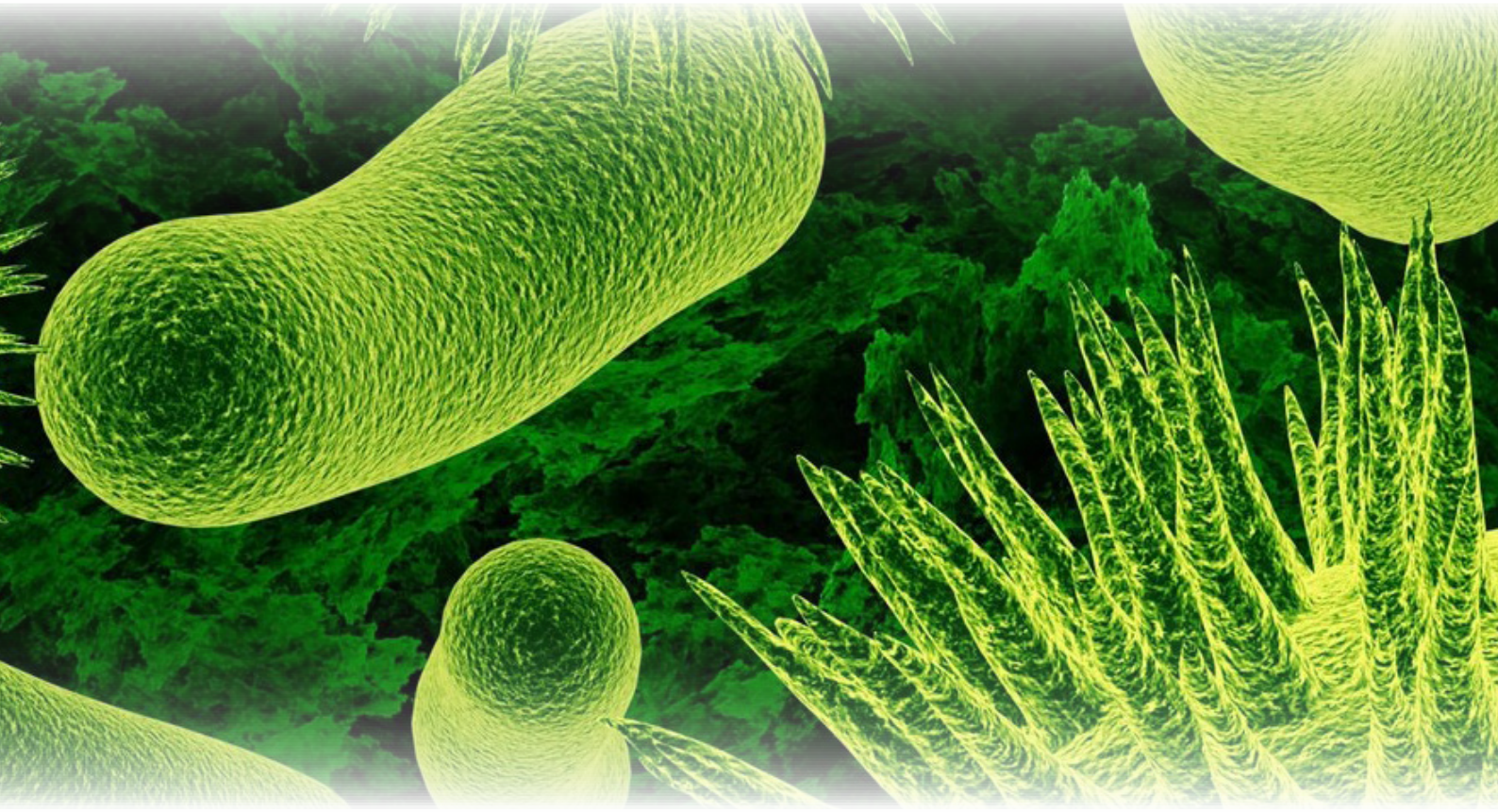
P07 **Title: Microbiological quality assessment of handmade juice in street of the Dhaka city Bangladesh**
Kaniz Fatema, Primeasia University, Bangladesh

P08 **Title: The importance of purifying textile waste water and making it a part of nature again**
Hayri Sen, University of Trakya, Turkey

P09 **Title: Aerobic Granulation for Wastewater Treatment: Performance evaluation at elevated temperature using real waste water**
Mustafa M Bob, Taibah University, Saudi Arabia

Panel Discussion

Award Ceremony



Bookmark your dates

2nd Water Microbiology Conference

August 28-30,2017 Philadelphia, USA

e-mail: wattech@microbiologyconferences.org
Website: water.conferenceseries.com

Conference Series LLC
2360 Corporate Circle, Suite 400
Henderson, NV 89074-7722, USA
Ph: +1-888-843-8169
Fax: +1-650-618-1417
america@conferenceseries.com

Conference Series Ltd.
Traian Str., No.61, Constanta 900720, Romania, Tel: 0805-080048
Heathrow Stockley Park Lakeside House, 1 Furzeground Way, Heathrow, UB11 1BD, United Kingdom
europe@conferenceseries.com

Toll free
USA & Canada: +1-800-216-6499
Australia: +1-800-651-097
Europe: 0805-080048