Informe Express #2
18-noviembre-2022

IWA organiza webinar sobre tecnologías de desinfección de agua y saneamiento

Oportunidades e impacto para el sector de agua, saneamiento e infraestructura:

La Asociación Internacional del Agua (IWA por sus siglas en inglés) organiza el webinar "Tecnologías emergentes de desinfección para tratamiento de agua y aguas residuales".

En este webinar de 1.5 horas, los expertos abordarán sobre las múltiples tecnologías de tratamiento y desinfección de agua para combatir las epidemias globales, entre ellas los sistemas basados en LED ultravioletas, oxidación con pulsos eléctricos, procesos electroquímicos y técnicas eléctricas de desinfección.

Fecha: *miércoles 07-diciembre-2022*

Hora: *07h00 am de Ecuador continental, 12h00 pm GMT*

En este link puede registrarse gratuitamente online.

Emerging disinfection technologies for water and wastewater treatment

Target Audience

Water professionals from academia, industry, water utilities, and administration agencies, with special attention towards Young Water Professionals

Description

This webinar is organized by the IWA Specialist Group (SG) of Disinfection and it is part of a webinar series focused on disinfection. More information about this SG is available here and the first episode of the webinar series is available here.

Disinfection is an essential procedure in drinking water and wastewater treatment and has an outstanding contribution to public health. Multiple disinfection technologies played important role in the great efforts to fight against global epidemics. Meanwhile, disinfectants react with natural or artificial organic matter to produce some toxic disinfection by-products (DBPs).

Meanwhile, hundreds of DBPs have been identified and detected in drinking water and wastewater since 1974. Low but significant associations between DBPs and adverse health effects have been demonstrated.

The recent challenges in the development of suitable and sustainable emerging disinfection technologies will be addressed in this webinar. Five renowned specialists both from academia and industry will present the following main processes:

1. UV-LEDs-based systems
2. Electro-pulse oxidation
3. Electrochemical-based processes (electrochemical advanced oxidation/electrochlorination)
4. Electrical-based techniques (Locally Enhanced Electric Field Treatment (LEEFT)), while the fifth talk will explore the recent advances in monitoring and control techniques for disinfection processes.

Learning Objectives

Following this session, participants will be able to understand:

- the main principles of some emerging disinfection technologies;
- the main advantages and drawbacks of some emerging disinfection technologies;
- the practical use of some emerging disinfection technologies;

Additional Resources

Q&A report: TBA

Publications

- IWA Global Trends & Challenges Report

Webinar on-demand:

- Wastewater Disinfection Modelling
- Wastewater disinfection – the smart way
- The future of disinfection in drinking water & wastewater

Webinar presentation slides: TBA

Websites:

- IWA Disinfection and DBPs 2022 Group

Host: International Water Association

Panelists

- Ludwig Dinkloh, Veolia, Germany
- Emmanuel Mousset, CNRS, France
- Galina Shevyrina, AQUISENSE, USA
- Oren Gafri, WADis LTD, Israel
- Jianfeng Zhou, Georgia Tech Shenzhen Institute, China
- Engracia Lacasa Fernández, Universidad de Castilla-La Mancha, Spain

Fuente: IWA, noviembre-2022.