

List of Posters

POSTER RECEPTION
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Poster reception, Monday, September 7; 17:30 – 20:00, Prague A+B

Design

- P 01 Hydraulic and Biochemical Profiles of Primary Settling Process**
Vince Bakos (Hungary)
- P 02 Stockholm's Future Wastewater Treatment – World Class Wastewater Treatment for the Future**
Niklas Dahlén (Sweden)
- P 03 Aeration Tank: CFD Analysis as a Design Tool to Discover Energy Savings**
Anna Karpinska Portela (United Kingdom)
- P 04 Comparison of Full-Scale a Conventional Activated Sludge Plant and a Ceramic Membrane Bioreactor: Nitrification Efficiency in Domestic Wastewater Treatment Mingled With Industrial Wastewater**
Burcu Ozdemir (Turkey)
- P 05 New Developments in the Design of Aeration Systems for Activated Sludge Plants**
Stephan Sander (Germany)
- P 06 Return Sludge Side-stream – How to Control GAOs and Ensure Successful EBPR in Hot Climates**
Mikkel Stokholm-Bjerregaard (Denmark)
- P 07 Retrofitting the Emscher Mouth Wastewater Treatment Plant within the Emscher Rehabilitation Program**
Burkhard Teichgräber (Germany)

Operation

- P 08 Wastewater treatment plant reliability prediction using artificial neural network networks**
Messaoud Djeddou (Algeria)
- P 09 Control of Hydrogen Sulphide in Full-Scale Anaerobic Digesters Using Iron (III) Chloride**
Dilek Erdirencelebi (Turkey)
- P 10 Operation During Reconstruction – Temporary Measures to Meet Effluent Requirements**
Jonas Grundestam (Sweden)
- P 11 Enhancement of Nitrogen Removal by ANAMMOX Granular Bacteria**
Ting-Ting Chang (Taiwan (Republic of China))
- P 12 Efficient Growth of Sulfide-Oxidizing Bacteria (SOB) in a Moving Bed Biofilm Reactor (MBBR) under Microaerobic Conditions**
Pavel Jeníček (Czech Republic)

- P 13 Consequences of Seveso-Classification of a Large Wastewater Treatment Plant**
Doug Lumley (Sweden)
- P 14 Optimization Of The Biological Nitrification Process Control In A Large Wastewater Treatment Plant**
Giulio Munz (Italy)
- P 15 MiDAS Field Guide – a Comprehensive Online Source of Information About the Microbes of Activated Sludge**
Marta Nierychlo (Denmark)
- P 16 Effect of operational parameters on nitrifying bacterial biomass and nitrification activity at Full Scale Fusina (Venice, Italy) WWTP**
Valter Tandoi (Italy)
- P 17 Hydraulic loadings of large Swedish WWTPs – key performance indicators and consequences**
Britt-Marie Wilén (Sweden)

Sludge handling and it's effect PM wastewater treatment

- P 18 Anaerobic Reject Water Characteristics and Effect on Sideline BNR Performance in a Large-Scale WWTP**
Dilek Erdirencelebi (Turkey)
- P 19 Experiences of sludge application as construction material**
María Jesús García-Ruiz (Spain)
- P 20 New Concepts for Economic and Energy Efficient Wastewater and Sludge Treatment – Example Wastewater Treatment Plant Ljubljana**
Peter Hartwig (Germany)
- P 21 Why are large Wastewater treatment plants around the world adopting thermal hydrolysis and digestion in preference to other sludge treatment options?**
Julien Chauzy (Norway)
- P 22 Algae Process as an Anammox Effluent Post Treatment Method for Nitrogen and Phosphorus Removal Along with Additional Algae-Biomass Generation for Anaerobic Digestion Process**
Tymoteusz Jaroszynski (Poland)
- P 23 Modeling the Effects of Slowly Biodegradable Substrate at Large WWTP in Northern Poland**
Jacek Makinia (Poland)

P 24 Oxygen uptake measurements as a tool for the estimation of self-heating capacity of dried sludge granules

Ernis Saracevic (Austria)

P 48 Inhibition of nitrification by short-time exposure to hydroxylamine

Iva Johanidesová (Czech Republic)

Cost and energy optimization

P 25 Energy Consumption in Municipal Activated Sludge Wastewater Treatment Plants: A Review

Guillermo Baquerizo (France)

P 26 Towards a Reduction of Greenhouse Gases: a New Decision Support System for Design, Management and Operation of Wastewater Treatment Plants

Donatella Caniani (Italy)

P 27 Energy audit of a full scale MBR system

Alessio Fenu (Belgium)

P 28 Optimization of a full scale alternating activated sludge system by means of ASM2d modelling

Alessio Fenu (Belgium)

P 29 Technological and methodical optimisation of the secondary treatment of a large German WWTP (600,000 PE)

Dirk Gengnagel (Germany)

P 30 A Rationale for the Use of First Order Kinetics to Model Heterotrophic Oxidation in the Activated Sludge Process

Henry Tench (United Kingdom)

P 31 Cost Comparison of Continuous Activated Sludge Systems with SBR Type Cyclic Activated Sludge Systems

Konrad Wutscher (Austria)

Innovative wastewater treatment technologies

P 32 Removal of Pharmaceutical Residues and Other Priority Contaminants in the Effluent of Sewage Treatment Plants

Christian Baresel (Sweden)

P 33 Estrogenic Activity Removal of 17 β -estradiol by Integrated Wastewater Treatment

Gabriela de Oliveira (Brazil)

P 34 Upflow Anaerobic Sludge Blanket Reactor Followed by Dissolved Air Flotation Treating Municipal Sewage

Priscila dos Santos (Brazil)

P 35 Changes of Nitrite Accumulation Efficiency Depending on Concentration of Influent Ammonium Nitrogen in Nitrification Process

Kyungik Gil (Korea, Republic of Korea)

P 36 Determining the Vitality of Bacteria Detected by FISH

Lucie Chovancová (Czech Republic)

P 37 Application Of Anammox To Anaerobically Pre-treated Municipal Wastewater

Pavel Jeníček (Czech Republic)

P 38 The effect of hydrocarbon on a pilot plant membrane bioreactor system

Giorgio Mannina (Italy)

P 39 Greenhouse gases from membrane bioreactor treating hydrocarbon and saline wastewater

Giorgio Mannina (Italy)

P 40 Integrating Ozonation or Adsorption on Activated Carbon into Tertiary Wastewater Treatment: Environmental Impacts with Life Cycle Assessment

Daniel Mutz (Germany)

P 41 Full-scale Experiences With Aerobic Granular Biomass Technology for Treatment of Urban and Industrial Wastewater

Helle van der Roest (Netherlands)

P 42 Enhanced Primary Treatment using Microsieving for Increased Removal Rates and Energy Recovery on WWTPs

Christian Walder (Austria)

Large WWTP in "Cities of the Future"

P 43 Removal of Pharmaceutical Residues using Ozonation as Intermediate Process Step at Linköping WWTP, Sweden

Christian Baresel (Sweden)

P 44 Wastewater Disinfection with Chlorine Compounds

Iva Johanidesová (Czech Republic)

P 45 Dubai, Green Economy, Green Sewage Treatment Infrastructure

Rashed Karkain (United Arab Emirates)

P 46 Decrease of Ecological Risk caused by Pharmaceuticals in Effluent from Wastewater Treatment Plant

Ilho Kim (Korea, Republic of Korea)

P 47 On the Implementation of an MBR Process at Wastewater Treatment Plants

Klara Westling (Sweden)