

Symposium EDAR 21:

WWTP 21: New technologies and approaches for wastewater sanitation

8th October 2014

Aula Magna

Facultat d'Economia i Empresa
Av. Diagonal, 690. 08034 Barcelona

Coordinator:

Joan Mata Álvarez

Dept. Enginyeria Química
Facultat de Química, UB



Program

09:00h - OPENING SESSION

Manuel Viladevall, Vice-Rector for Teaching Staff, UB. Institut de Recerca de l'Aigua, UB.
Ma. Jesús Montoro, Director of Institut de Recerca de l'Aigua, UB.
Joan Mata, Symposium Coordinator. Institut de Recerca de l'Aigua, UB.

09:15h - SESSION I: The future of WWTP.

Chairman: **Joan Mata**, Universitat de Barcelona

09:15h - New Sanitation for resource recovery

Grietje Zeeman, Wageningen University, The Netherlands

10:00h - Rethinking the sewage treatment plant

Juan Lema, Universidade de Santiago de Compostela

10:30h - Congreso Eco-STP 2014: Evaluation and conclusions

Alexandra Jelic, Università degli Studi di Verona, Italy

11:00h - Pause

11:30h - SESSION II: Resource Recovery.

Chairman: **Francisco Lucena**, Universitat de Barcelona

12:00h - Carbon-to-biopolymers recovery in municipal wastewater treatment plants

Francesco Fatone, Università degli Studi di Verona, Italy

12:30h - Low energy demand in water treatment: Concept and scientific challenge

Marc Héran, Université de Montpellier 2, France

13:00h - Microbial electrosynthesis to convert carbon dioxide from WWTP into valuable products

Jesus Colprim, Universitat de Girona

13:30h - Pause

15:30h - SESSION III New technologies in STP.

Chairman: **Miquel Salgot**, Universitat de Barcelona

15:30h - A Knowledge-based Decision Support Tool For Selecting Eco-Wastewater Treatment Technologies

Quim Comas, Universitat de Girona

16:00h - Microbial Electrochemical Technologies and wastewater: changing the WWP paradigm

Abraham Esteve, Universidad de Alcalá

16:30h - Forward Osmosis The new way to make drinking water

Joan Llorens, Universitat de Barcelona

17:00h - Two-step Partial nitrification/Anammox process in granulation reactors: Operation and microbial characterization

Joan Dosta & Joaquim Vila, Universitat de Barcelona

17:30h - INDUSTRIAL PANEL DISCUSSION

Chairman: **Eduardo Ayesa**, CEIT, San Sebastián

J.J. Malfeito, Acciona Agua

F. Rogalla, Aqualia

A. Gali, Aqualogy

J. Sanz, Veolia Water Technologies

18:30h - End of symposium