

## **26. EFFLUENTS AND WASTEWATERS: CHALLENGES IN MANAGING ODORS AND MICROPOLLUTANTS**

**25 SEPTEMBER FRIDAY 09.00 – 11.00 CEST (Central European Summer Time)**

Opening

**09:00** Welcome and introduction from the Chairs *Jussi Reinikainen (Finnish Environment Institute)*, *Baran Bozoglu (ClimateChange Policy and Research Association)*, *Deyi Hou (Tsinghua University)*

Presentations

**09:10** Research on biological treatment for removal of odorous gas of Dimethyl sulphide hydrogen sulfide, and ammonia

*Synthia Wong (Shanghai Bioscience)*

**09:25** Synergetic Effect on gamma radiolytic degradation of micropollutants by addition of H<sub>2</sub>O<sub>2</sub> towards radical based study

*V C Padmanaban (Kamaraj College of Engineering and Technology, India)*

**09:40** Tree based biological approach to reduce sewage odour

*M. Prasanthrajan, A. Balasubramanian, K.T. Parthiban (Tamil Nadu Agricultural University)*

**09:55** Removal of nitrogen and phosphorus by microalgae isolated from wastewater of HERA-Ferrara sewage treatment plant

*Sara Demaria, Michela Arcidiacono, Ornella Accoto, Costanza Baldisserotto (Ferrara University)*, *Linda Benetti (HERA)*, *Roberta Marchesini (Ferrara University)*, *Marcello Zanella (HERA)*, *Simonetta Pancaldi (Ferrara University)*

**10:10** Treatment of Amoxicillin Formulation Effluent by Ozone Technology

*Mariana Cardoso Barros Ribeiro, André Luís de Castro Peixoto (Grupo de Química Tecnológica, Instituto Federal de São Paulo, IFSP)*

**10:25** Panel discussion moderated by chairs

**11:00** End of the session