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## Program

Friday, June 16, 2017

### Environmental Biotechnology

*Venue: National Technical Library, Hall 02*

Chairpersons: **Pavel Jeníček** *Department of Water Technology and Environmental Engineering, UCT Prague, Czech Republic*, **Martin Halecký** *Department of Biotechnology, UCT Prague, Czech Republic*, **Urs Baier** *Institute of Chemistry and Biotechnology, ZHAW, Switzerland*

- 10:30** Microbial Ecology in Anaerobic digesters: status and perspectives (Invited Lecture)  
**Irini Angelidaki** *TU Lyngby, Denmark*
- 11:20** Physico-chemical characterization of EPS-based biomaterial recovered from anammox granular sludge (Invited Lecture)  
**Tommaso Lotti** *Politecnico di Milano, Italy*
- 11:45** Olive Mill Solid Waste Biorefinery: Comparative of thermal pre-treatments for phenols recovery and biomethanation (Invited Lecture)  
**Fernando Feroso** *Instituto de la Grasa Sevilla, Spain*
- 12:10** Critical metals – the challenges of the present, solutions for the future  
**Alina Butu** *National Institute of Research and Development for Biological Sciences, Romania*
- 12:30-13:30** Lunch
- 13:30** Separate carbon and nutrients removal from sewage: Making the concept reality (Invited Lecture)  
**Jan Bartáček** *Department of Water Technology and Environmental Engineering, UCT Prague, Czech Republic*
- 13:55** Biotechnology of nutrient removal from waste water by autotrophic denitrification with sulfides from biogas (Invited Lecture)  
**Jana Záborská** *Department of Water Technology and Environmental Engineering, UCT Prague, Czech Republic*
- 14:20** Adaptation of anammox to low temperature in response to cold shock (Invited Lecture)  
**Vojtěch Kouba** *Department of Water Technology and Environmental Engineering, UCT Prague, Czech Republic*
- 14:45** Hybrid treatment methodologies for biotransformation of color industrial effluents – A bioreaction calorimetric study  
**Bhuvanesh Kumar Shanmugam** *Department of Chemical Engineering, CLRI., Adyar, India*

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**15:10** Bioleaching for heavy metal recovery and detoxification of ashes from thermal power plants

**Tingyue Gu** *Ohio University, USA*

**15:35** Efficacies of Seventeen organically made Northern fertilisers on sustainable crops production in acidic soil of food security under climate change

**Durlave Roy** *Northern Agro Services Ltd, Bangladesh*