

International Workshop on

Wastewater treatment and reuse for Metropolitan Regions and Small Cities in Developing Countries

September 13 – 17, 2016, Recife, Pernambuco, Brazil

DAILY PROGRAM

September 14th, 2016

Session Coordinator: Prof. Dr. Lourdinha Florencio

9:00-9:30	Welcome greetings – Prof. Dr. Edmilson Santos de Lima, Regional Coordinator EXCEED-SWINDON, Federal University of Pernambuco; Prof. Dr. Nobert Dichtl, Coordinator EXCEED-SWINDON Project, Technical University of Braunschweig; Prof. Dr. Ernani Carvalho, Research and Graduate Vice-Rector, Federal University of Pernambuco
9:30 -10:00	Suitable technology for domestic sludge treatment and disposal. Prof. Dr. Nobert Dichtl, TUBS, Germany
10:00 - 10:30	Performance and energy aspects of single and two phase thermophilic anaerobic digestion of waste activated sludge. Prof. Dr. Wanderli Leite, UFPE, Brazil
10:30 - 11:00	Acrylamide degradation by direct photolysis (UV) and conjugated photolysis (UV/H ₂ O ₂). Prof. Dr. Elvis Carissimi, UFSM, Brazil
11:00 - 11:30	Evaluation of decentralized approaches to wastewater treatment systems as alternative to environmental impacts and indication of sustainable solution in wastewater treatment in cities. Dr. Mariana Cardoso Chispim, USP, Brazil
11:30-12:00	Modern and classical approaches for optimization and control of the anaerobic digestion process for wastewater treatment. Prof. Victor Alcaraz-Gonzalez, UdG, Mexico
12:00-14:00	LUNCH
Session Coordinator: Prof. Dr. Luiz Monteggia (Federal University of Rio G. do Sul)	
14:00-14:30	Assessing environmental impacts of wastewater treatment alternatives for small scale communities. Prof. Dr. Bulent Topkaya, Konya University, Turkey
14:30 - 15:00	Sorption of phenol/tyrosol from aqueous solutions and NF concentrates streams from pretreated olive mill wastewater by macro-reticular aromatic polymeric resin. Dr. Jacques R. Njimou, University of Yaoundé I, Cameroon
15:00 - 15:30	The efficiency of a locally made wastewater treatment plant at Zartech Poultry House, Ibadan, Nigeria. Dr. Oloyede Oyebayo, University of Yaoundé I, Nigeria
15:30 - 16:00	Plant species selection used in wastewater treatment. Prof. Dr. Eduardo Saldanha Volgemann, UFRGS, Brazil
16:00 - 16:30	COFFEE-BREAK
16:30 - 17:00	Comparative reliability analysis for effluent quality of centralized and decentralized wastewater treatment plants. Dr. Juliana Morais, IFPE, Brazil
17:00 - 17:30	Absorption process of a dyeing water treatment. Dr. Somphinit Muanthong, Institution, Country
17:30 - 18:00	Removal of pharmaceuticals and endocrine disrupting compounds from Brazilian (waste) waters. Prof. Dr. Sergio Aquino, UFOP, Brazil
18:00-18:30	Alternative sanitation solutions and sanitation debt in isolated communities in the Amazon region, Brazil, Prof. Dr. Ricardo Bernardes, University of Brasília, Brazil.



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September 15th, 2016

Session Coordinator: Prof. Dr. Mario T. Kato (Federal University of Pernambuco)

9:00-9:30	Vantagens e problemas do sistema de tratamento por reatores UASB seguidos por tratamento biológico aeróbio. Prof. Dr. Pedro Alem Sobrinho, USP, Brazil
9:30 -10:00	Onsite treatment of greywater for agricultural uses in urban areas. Dr. Ahmad Alulayyan, Jordan University of Science and Technology, Jordan
10:00 - 10:30	Reuse of wastewater for irrigation in MENA region and Konya experiences. Prof. Dr. Mehmet Aydin, U. Konya, Turkey.
10:30 - 11:00	Water reuse as an alternative to efficient use in saving water. Eng. Natalia Jimenez, Ministry of Environment and Sustainable Development, Colombia
11:00 - 11:30	Agricultural reuse of reclaimed water and uptake of organic pollutants: A case study from Jordan, Dr. Jiries Anwar, Mutah University, Jordan
11:30-12:00	Reuse of domestic wastewater treated for recovery the degraded area in the northeastern Brazilian. Prof. Dr. Elizabeth Pastich, CAA-UFPE, Brazil
12:00-14:00	LUNCH
Session Coordinator: Prof. Dr. Eduardo Cleto Pires (Federal University of São Carlos)	
14:00-14:30	Induction of suppressiveness to nematodes in corn plants (<i>Zeamays L.</i>) irrigated with treated effluents. Prof. Dr. Kenia Silva, CAA-UFPE, Brazil
14:30 - 15:00	Natural wastewater treatment and water quality system (monitoring and simulation software) for effective reuse. Application to rural areas in the Republic of Argentina. Dr. Sergio Abbenante, National Technological University of La Plata, Argentina
15:00 - 15:30	Low cost wastewater treatment for nutrients recovery and water reuse. Prof. Dr. Luiz Monteggia, Federal University of Rio Grande do Sul, Brazil
15:30 - 16:00	Caproic acid production from by-products of agroindustry. Dr. Renato Leitão, EMBRAPA, Brazil
16:00 - 16:30	COFFEE-BREAK
16:30 – 16:50	Climatic impact of various forms of sewage sludge disposal on greenhouse gas - emissions and credits. Prof. Dr. Klaus Fricke, TUBS, Germany
16:50 - 17:10	Fuel production from polluted industrial and municipal sewage sludge - processing, packaging and energy recovery. Eng. Christine Pereira, TUBS, Germany
17:10 - 17:40	Final destination of solid wastes in Northeast Brazil: the historical environmental scenarios and recent experiences. Eng. Hector Diaz Gonzalez, Brazil
17:40-18:10	Circular economy: a new perspective for the O&G Industry in Brazil. Prof. Dr. José Araruna Júnior, PUC-Rio, Brazil
18:10-18:40	The water resources management in Santa Catarina State, Brazil: measures, challenges and lessons learned. Dra. Luciana Camargo Castro, State University of Santa Catarina (UDESC), Brazil

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September 16th, 2016

8:00-12:00	Technical visit to the Wastewater Treatment Plant "Dancing Days". Eng. Ricardo Luz Xavier da Costa (COMPESA, Brazil)
12:00-14:00	LUNCH
14:00-16:00	Modelo do Programa Cidade Saneada (Sanitation Program for Recife Metropolitan Area) Eng. Ricardo Barreto, COMPESA, Brazil Eng. Pedro Leão, Odebrecht Ambiental, Brazil
16:00-16:30	Final remarks and closing ceremony. TUBS and UFPE

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