

Summer School on Wastewater and Biosolids Management (WWSS16)

Monday 18 July

08:45 - 9:15	Welcome and introduction	I. Kalavrouziotis
09:15 - 10:00	Wastewater management	D. Vayenas
10:00 - 11:00	Introduction to new technologies	D. Vayenas
11:00-11:15	Coffee break	
11:15 - 12:00	Wastewater management under climate change: adaptation challenges	G. Cisse
12:00 - 13:00	Nutrients removal in Wastewater Treatment Plants	A. Andreadakis
13:00 - 14:00	Application of the sequencing batch reactor (SBR) for wastewater treatment	A. Brenner

Tuesday 19 July

09:00 - 10:00	Biological nitrogen removal: microbiology and energetics	G. Lyberatos
10:00 - 11:00	Conventional and emerging configurations for biological nutrient removal from wastewaters	G. Lyberatos
11:00-11:15	Coffee break	
11:15 - 12:00	Phosphorus removal processes in wastewater treatment	A. Brenner
12:00 - 13:00	Phosphorus recovery from wastewater	H. Steinmetz
13:00 - 14:00	Application of membrane biological reactor for enhanced nutrient removal	K. Strevett

Wednesday 20 July

09:00 - 10:00	Anaerobic (co)digestion and digestate post-treatment in municipal WWTP	F. Fatone
10:00 - 11:00	Integration of advanced oxidation technologies and biological processes	G. Iskender
11:00-11:15	Coffee break	
11:15 - 12:00	Mine water management and treatment	K. Komnitsas
12:00 - 13:00		
13:00 - 14:00	Removal of organic micropollutants from wastewater applying electrical discharge-based techniques	M. Pflieger
16:00 - 17:00	Sludge reduction approaches in wastewater treatment plants. The Patras case study	M. Sklyvaniotis
17:00 - 18:00	Biosolid composting and soil applications	A. Zorpas
18:00 - 19:00	Sludge utilization possibilities	A. Andreadakis

Thursday 21 July		
09:00 - 10:00	Advanced oxidation processes for wastewater treatment	D. Mantzavinos
10:00 - 11:00	Tannery wastewater treatment by advanced oxidation processes	G. Lofrano
11:00-11:15	Coffee break	
11:15 - 12:00	Principles of membrane technology: ultrafiltration, nanofiltration and reverse osmosis in regards to energy consumption	G. Oron
12:00 - 13:00	Case studies of membrane technology application for wastewater treatment and reuse	G. Oron
13:00 - 14:00	Occurrence, removal and environmental risk assessment of pharmaceuticals in wastewaters	D. Lambropoulou
16:00 - 17:00	Nuclear waste management and remediation in the US: dealing with the legacy of the cold war	V. Anagnostopoulos
17:00 - 18:00	Microplastics and plastic fibers in wastewater treatment plants	H. Karapanagioti
18:00 - 19:00	Leachate Management and Treatment	E. Diamantopoulos
Friday 22 July		
09:00 - 10:00	Wastewater reuse	M. Salgot
10:00 - 11:00	Reuse case studies in Spain	M. Salgot
11:00-11:15	Coffee break	
11:15 - 12:00	Water management in eco-cities: reuse of greywater and rainwater in new residential areas	A. Tanik
12:00 - 13:00	Ecotoxicological tests for assessing water quality	A. Kungolos
13:00 - 14:00	Health impact of wastewater reuse in agriculture: a case study from an African urban context	G. Cisse
14:00 - 15:00	The safe reuse of the TMWW in agriculture	I. Kalavrouziotis
15:00 - 15:15	Closing Remarks	I. Kalavrouziotis
17:00 - 20:00	Sponsors presentations	
Saturday 23 July		
09:00 - 11:30	Technical Tour at the WWTP of Aigio	D. Vayenas I. Kalavrouziotis