

Summer School on Wastewater and Biosolids Management (WWSS19)

Monday 22 July

08:45 - 9:15	Welcome and introduction	I. Kalavrouziotis
09:15 - 10:00	Water usage in the built environment: Recent innovations and their implications for wastewater treatment	D. Werner
10:00 - 11:00	Wastewater management	D. Vayenas
11:00-11:15	Coffee break	
11:15 - 12:00	Wastewater management	D. Vayenas
12:00 - 13:00	Wastewater management under climate change: adaptation challenges	G. Cisse
13:00 - 14:00	Raw materials recovery from wastewater by crystallization processes.	P. Koutsoukos

Tuesday 23 July

09:00 - 10:00	Healthcare waste management: classification, generation, characteristics, treatment, circular economy	E. Voudrias
10:00 - 11:00	Healthcare waste treatment technologies	E. Voudrias
11:00 - 11:15	Coffee break	
11:15 - 12:00	Hazardous waste management	E. Voudrias
12:00 - 13:00	Terrestrial pollution by mineral oils and methods of reclamation	K. Komnitsas
13:00 - 14:00	Management of hazardous wastes	K. Komnitsas
14:00 - 15:00	Environmental management of military weapon shooting training fields	K. Komnitsas

Wednesday 24 July

09:00 - 10:00	Anaerobic (co)digestion and digestate post-treatment in municipal WWTP	F. Fatone
10:00 - 11:00	Inhibition in Anaerobic Digestion Process	O. Yenigun
11:00 - 11:15	Coffee break	
11:15 - 12:00	Co-digestion of organic waste on wastewater treatment plants and biogas plants	J. Wiese
12:00 - 13:00	Leachate management and treatment	E. Diamantopoulos
13:00 - 14:00	Thermal treatment of solid wastes and control of gas releases	P. Samaras
14:00 - 15:00	Wastewater Analyses: Sampling, Blanks and Standards, Evaluation of Measurements, Simple Statistical Tools	H. Karapanagioti
15:00 - 16:00	Light Lunch	
16:00 - 19:00	Practical training on wastewater analyses: COD, Total N (+ ammonium-N, nitrate-N, nitrite-N), Total P (+orthophosphates), SS, BOD, pH, DO, Redox - Related Regulations, General Principles, Hands-on training	H. Karapanagioti (University of Patras), E. Isari (PhD cand. HOU)

Thursday 25 July

09:00 - 10:00	Advanced oxidation processes for wastewater treatment	D. Mantzavinos
10:00 - 11:00	Waste water treatment plants environmental impact assesment	S. Tsakovski
11:00 - 11:15	Coffee break	
11:15 - 12:00	Photolytic and photocatalytic treatment of organic pollutants in water and wastewater systems	I. Konstantinou
12:00 - 13:00	Occurrence, removal and environmental risk assessment of pharmaceuticals, personal care products and their transformation products in wastewaters	D. Lambropoulou
13:00 - 14:00	Phytoremediation of pharmaceuticals and the role of plant microbe interaction	P. Schröder
14:00 - 15:00	Impacts of wastewater disposal on the marine environment	I. Hatzianestis

Friday 26 July

09:00 - 10:00	Wastewaters and Public Health	M. Leotsinidis
10:00 - 11:00	Viruses and Wastewater Treatment	P. Kokkinos
11:00 - 11:15	Coffee break	
11:15 - 12:00	Sustainable use of reclaimed water in Spain, practices and challenges	F. Pedrero Salcedo
12:00 - 13:00	Wastewater and Biosolids: Challenges and Opportunites	I. Kalavrouziotis
13:00 - 14:00	Constructed Wetlands for sustainable wastewater treatment	A. Stefanakis
14:00 - 14:15	Closing Remarks - e-Poster awards	I. Kalavrouziotis
14:15 - 15:00	Light Lunch	

Saturday 27 July

09:00 - 11:30	Technical Tour at the WWTP of Aigio	D. Vayenas I. Kalavrouziotis
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