

Summer School on Wastewater and Biosolids Management (WWSS18)

Monday 23 July

08:45 - 9:15	Welcome and introduction	I. Kalavrouziotis
09:15 - 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	Water usage in the built environment: Recent innovations and their implications for wastewater treatment	D. Werner
14:00 - 15:00	Wastewater Treatment for Algal Biomass Production and Energy Recovery	A. Koutsospyros

Tuesday 24 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	Phosphorous recovery from wastewater and sewage sludge	H. Steinmetz
12:00 - 13:00	Hazardous waste Management	E. Voudrias
13:00 - 14:00	Composting of organic wastes in EU	S. Ponsa
14:00 - 15:00	Leachate Management and Treatment	E. Diamantopoulos
15:00 - 16:00	Light Lunch	
16:00 - 17:00	ArcGIS Platform Technology (Desktop, Web, Apps) use in Wastewater Management: Ideas, Solutions and Case studies.	Marathon Data Systems

Wednesday 25 July

09:00 - 11:00	Anaerobic (co)digestion and digestate post-treatment in municipal WWTP	F. Fatone
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	Activated Sludge Process and Biosolids Management	F. Ballesteros
13:00 - 14:00	Thermal treatment of solid wastes and control of gas releases	P. Samaras
14:00 - 15:00	Decentralised Wastewater Treatment, Toxicity Assessment and Water Reuse	G. Libralato
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), G. Pliotas (HACH LANGE M.)

Thursday 26 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	Tannery wastewater treatment by advanced oxidation processes	G. Lofrano
12:00 - 13:00	Wastewater Analyses: Sampling, Blanks and Standards, Evaluation of Measurements, Simple Statistical Tools	H. Karapanagioti
13:00 - 14:00	Occurrence and Fate of Emerging Organic Micropollutants in Sewage Treatment Plants	A. Stasinakis
14:00 - 15:00	Impacts of wastewater disposal on the marine environment	I.Hatzianestis
15:00 - 16:00	Light Lunch	
16:00 - 17:00	Occurrence, removal and environmental risk assessment of pharmaceuticals, personal care products and their transformation products in wastewaters	D. Lambropoulou
17:00 - 18:00	Mine water management and treatment	K. Komnitsas
18:00 - 19:00	Soil decontamination in shooting ranges	

Friday 27 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	Reuse case studies in Spain	F. Pedrero Salcedo
12:00 - 13:00	Wastewater reuse in agriculture and related risks	O. Mahjoub
13:00 - 14:00	Use of reclaimed water in agriculture: sustainable practices and challenges	F. Pedrero Salcedo
14:00 - 15:00	Constructed Wetlands for sustainable wastewater treatment	A. Stefanakis
15:00 - 15:15	Light Lunch	
15:15 - 16:00	Wastewater reuse in Middle East countries: A review of prospects and challenges	M. Batarseh
16:00 - 16:15	Closing Remarks	I. Kalavrouziotis

Saturday 28 July

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