

Summer School on Wastewater and Biosolids Management (WWSS21)

Monday 26 July

08:45 - 9:15	Welcome and introduction	I. Kalavrouziotis
09:15 - 11:00	Drainage and wastewater management in China from ancient time to present age	X.Y. Zheng
11:00-11:15	Coffee break	
11:15 - 12:00	Fertilizers from wastewater. A contribution to circular economy	P. Koutsoukos
12:00 - 13:00	Energetic and material use of carbon from wastewater	H. Steinmetz
13:00 - 14:00	Review of energy efficient innovative biological nitrogen removal technologies	S. Pavlostathis

Tuesday 27 July

09:00 - 10:00	Alternative super-adsorbents and selective materials in wastewater treatment.	G. Kyzas
10:00 - 11:00	Different biosorbents for heavy metal removal from wastewater (Moringa, Pinecone, and Eucalyptus)	M. Matouq
11:00-11:15	Coffee break	
11:15 - 12:00	Removal of emulsified engine oil from wastewater by using cheap adsorbents	M. Matouq
12:00 - 13:00	Hazardous waste management	E. Voudrias
13:00 - 14:00	Soil decontamination and rehabilitation options in abandoned shooting ranges	K. Komnitsas

Wednesday 28 July

09:00 - 10:00	Low cost natural treatment systems for developing countries	F. Ballesteros
10:00 - 11:00	Multi-Soil-Layering technology: an environmental friendly solution for wastewater treatment in developing countries	L. Mandi
11:00-11:15	Coffee break	
11:15 - 12:00	Integration methodology for landfill leachate treatment by using a hybrid system based on ultraviolet processes Advanced Oxidation Processes (AOPs) and membrane technology	D. Lambropoulou
12:00 - 13:00	Wastewater analyses: sampling, blanks and standards, Evaluation of measurements, simple statistical tools	H. Karapanagioti
13:00 - 15:30	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), supported by HACH LANGE M.
15:30 - 16:00	Light Lunch	
16:00 - 18:00	Poster Session	

Thursday 29 July

09:00 - 10:00	Solar photocatalytic treatment of secondary hospital wastewaters in lab-scale and pilot-scale CPC reactors	I. Konstantinou
10:00 - 11:00	Options for phytoremediation of pharmaceuticals and the role of plant-microbe interactions	P. Schröder
11:00-11:15	Coffee break	
11:15 - 12:00	Energy positive wastewater treatment plants	P. Gikas
12:00 - 13:00	Treatment and exploitation of agricultural liquid and solid wastes	C. Paraskeva
13:00 - 14:00	Energy efficiency measures in wastewater treatment plants	J. Wiese

Friday 30 July

09:00 - 10:00	Viruses and wastewater treatment. The case of SARS-CoV-2	P. Kokkinos
10:00 - 11:00	Model applications in wastewater treatment plants	J. Mąkinia
11:00-11:15	Coffee break	
11:15 - 12:00	Agricultural management practices for risk reductions when using non conventional water resources	F. Pedrero Salcedo
12:00 - 13:00	Cases of municipal sewage treatment in China	Z. Guangcan
13:00 - 14:00	Decision Support System for safe wastewater and biosolids reuse in agriculture applications	S. Kyritsis
14:00 - 14:15	Closing remarks	I. Kalavrouziotis

Saturday 31 July

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