

## 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	Considerations for Government Policy in Sustainable Water Reuse Management	S. Koo-Oshima

### Tuesday 24 July

09:00 - 10:00	Healthcare waste management: Classification, generation, characteristics, 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	Leachate Management and Treatment	E. Diamantopoulos
13:00 - 14:00	Composting of organic wastes in EU	S. Ponsa

### 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

<b>12:00 - 13:00</b>	Activated Sludge Process and Biosolids Management	F. Ballesteros
<b>13:00 - 14:00</b>	Thermal treatment of solid wastes and control of gas releases	P. Samaras
<b>14:00 - 15:00</b>	Decentralised Wastewater Treatment, Toxicity Assessment and Water Reuse	G. Libralato
<b>16:00 - 19:00</b>	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

<b>09:00 - 10:00</b>	Advanced oxidation processes for wastewater treatment	D. Mantzavinos
<b>10:00 - 11:00</b>	Application of membrane biological reactor for enhanced nutrient removal	K. Strevett
<b>11:00-11:15</b>	Coffee break	
<b>11:15 - 12:00</b>	Tannery wastewater treatment by advanced oxidation processes	G. Lofrano
<b>12:00 - 13:00</b>	Wastewater Analyses: Sampling, Blanks and Standards, Evaluation of Measurements, Simple Statistical Tools	H. Karapanagioti
<b>13:00 - 14:00</b>	Occurrence and Fate of Emerging Organic Micropollutants in Sewage Treatment Plants	A. Stasinakis
<b>14:00 - 15:00</b>	Impacts of wastewater disposal on the marine environment	I.Hatzianestis

<b>16:00 - 17:00</b>	Occurrence, removal and environmental risk assessment of pharmaceuticals, personal care products and their transformation products in wastewaters	D. Lambropoulou
<b>17:00 - 18:00</b>	Mine water management and treatment	K. Komnitsas
<b>18:00 - 19:00</b>	Soil decontamination in shooting ranges	

#### Friday 27 July

<b>09:00 - 10:00</b>	Wastewaters and Public Health	M. Leotsinidis
<b>10:00 - 11:00</b>	Viruses and Wastewater Treatment	P. Kokkinos
<b>11:00-11:15</b>	Coffee break	
<b>11:15 - 12:00</b>	Reuse case studies in Spain	M. Salgot
<b>12:00 - 13:00</b>	Wastewater reuse in Middle East countries: A review of prospects and challenges	M. Batarseh
<b>13:00 - 14:00</b>	Reuse of wastewater. Practices and challenges	F. Pedrero Salcedo
<b>14:00 - 15:00</b>	Constructed Wetlands for sustainable wastewater treatment	A. Stefanakis
<b>15:00 - 15:15</b>	Closing Remarks	I. Kalavrouziotis

#### Saturday 28 July

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