

project PLANTED:		Sustainable plasma and bio-based wastewater micropollutant treatment				 
On-site program		12-16 May 2025, FMFI + PriF Comenius Univ. Bratislava				
	Mon 12 May	Tue 13 May	Wed 14 May	Thu 15 May	Fri 16 May	
9.00-10.20		Lecture 2: Removal of persistent micropollutants and PFAS: current state of the art and perspective A. Nikiforov, Univ. Gent / PriF B1.501	Lecture 4: Introduction to photocatalytic and Fenton-based processes for wastewater treatment O. Monfort, U. Bratislava / PriF CPS+ (B1 pavilion)	Lecture 6: Optimizing AOP processes in view of micropollutant removal S. Van Hulle, Univ. Gent / PriF AMOS (B1 pavilion)	Seminar on proposed students' collaboration projects FMFI F2. - 167	
10.20-10.40		coffee break	coffee break	coffee break	coffee break	
10.40-12	Arrivals	Lecture 3: Assessment of Genotoxicity and Mutagenicity: Techniques and Applications A. Sevcovicova, S. Kyzek, U. Bratislava / PriF B1.501	Lecture 5: Biological nitrogen and fluoroquinolone pharmaceutically active compounds treatment by anaerobic ammonium oxidation-denitrification processes I. Zekker, Univ. Tartu / PriF CPS+ (B1 pavilion)	Lecture 7: Plasma-based water treatment I. Jogi, Univ. Tartu / PriF AMOS (B1 pavilion)	Roundtable and evaluation of the training school, closing FMFI F2. - 167	
12.00-13		lunch break	lunch break	lunch break		
13-14	Introduction of Bratislava research groups FMFI F2. - 167	Genotoxicity labs: Flow cytometry: measurement of oxidative stress and viability A. Sevcovicova, S. Kyzek, J. Makukova, M. Petkova / PriF B1.517	WW treatment labs using heterogeneous AOPs: activation of ROS using Fe-based materials for degradation of pharmaceuticals O. Monfort, Y. Zeng, H. Behtooei / PriF CH2-205	Plasma-water labs with RONS diagnostics: Experiments with plasma-discharges with liquids M.Janda, P. Pareek, O. Galmiz, K. Szarazova / FMFI F2.27,89	Departures FMFI - Faculty of Mathematics, Physics and Informatics PriF - Faculty of Natural Sciences	
14-15.15	Lecture 1: Overview of non-thermal plasma discharges interacting with liquids / FMFI F2. - 167					
15.15-15.30	coffee break					
15.30-17.30	Students' pitches and posters FMFI F2. - 167	Genotoxicity labs: Comet assay and its modifications: measurement of DNA damage A. Sevcovicova, S. Kyzek, J. Makukova, M. Petkova / PriF B1.513	WW treatment labs using heterogeneous AOPs: Analysis of pharmaceutical by UV-VIS (+ HPLC), Assessment of ROS contribution O. Monfort, Y. Zeng, H. Behtooei / PriF CH2-205	Plasma-water labs with RONS diagnostics: absorption diagnostics of reactive oxygen and nitrogen species in water M.Janda, P. Pareek, O. Galmiz, K. Szarazova / FMFI F2.27,89		
17.30-21	ENLIGHT social program in Bratislava FMFI F2. - 167					