

Young Researchers' Week Agenda

Date: Monday 14th Sep 2020	
10:00 - 10:15	Opening Ceremony. <i>Chair: Teresa Moreno.</i> <i>Location: Saló d'Actes.</i>
10:15 - 10:30	Presentation Slots Draw (*). <i>Location: Saló d'Actes.</i>
Date: Wednesday 16th Sep 2020	
9:30 - 10:15	K1: Keynote Presentation 1. <i>Location: Saló d'actes.</i> GEO-01 Iman Rahimzadeh. Two-phase flow characterization of CO ₂ -brine-rock systems: complementary experimental and numerical approaches.
10:15 - 11:15	S1: Oral Presentation Session 1 (Three 20-min talks). <i>Location: Saló d'Actes.</i> QA-12 Pablo Zapata. Flame retardants in soils and sediments from protected areas of China. QA-04 Pere Colomer-Vidal. Plant uptake of perfluoroalkyl substances in a freshwater environment (Dongzhulong and Xiaoqing river, China). GEO-03 Ashkan Hassanzadeh. Rainfall isotope composition quantification by automatic modelling and analysis algorithm.
11:15 - 12:00	Coffee Break + Poster Exhibition (Posters with odd code numbers). <i>Location: Garden (*).</i>
12:00 - 13:00	S2: Oral Presentation Session 2 (Three 20-min talks). <i>Location: Saló d'Actes</i> GEO-04 Pedro Trechera. Mineralogy, geochemistry, and toxicity of size-segregated respirable deposited dust in Chinese coal mines. QA-06 Manuel García-Vara. Degradation of the herbicide bentazone by <i>Trametes versicolor</i> and identification of transformation products by UPLC-HRMS. QA-03 Gemma Casas. Amplification of Persistent Organic Pollutants at Coastal Antarctica.
13:00-13:40	S3: Oral Presentation Session 3 (Two 20-min talks). <i>Location: Saló d'Actes</i> GEO-06 Marta Via. Fine aerosol and organic sources variation over four years in Barcelona. QA-08 Bernat Oró-Nolla. Development and validation of a gas chromatography / high resolution mass spectrometry analytical method for the determination of POPs in blood from <i>Pterodroma cahow</i> .



Date: Thursday 17th Sep 2020

9:30 - 10:15	K2: Keynote Presentation 2. <i>Location: Saló d'actes</i> QA-01 Pablo Gago-Ferrero. New environmental analytical tools towards a comprehensive understanding of organic pollutants in the environment and human exposure.
10:15 - 11:15	S4: Oral Presentation Session 4 (Three 20-min talks). <i>Location: Saló d'Actes.</i> QA-07 Raimon Martinez. Presence and distribution of persistent organic pollutants in air and water from remote high-mountain lakes in the Pyrenees. QA-05 Maria Dulsat-Masvidal. Analysis of water micropollutants from important Birding Areas. QA-10 Andrea Peris. Assessing the non-polar pesticides bioremediation capability of microalgae and the white-rot <i>Trametes versicolor</i> fungus.
11:15 - 12:00	Coffee Break + Poster Exhibition (Posters with pair code numbers). <i>Location: Garden (*).</i>
12:00 - 13:00	S5: Oral Presentation Session 5 (Three 20-min talks). <i>Location: Saló d'Actes.</i> QA-09 Miriam Pérez-Cova. Comprehensive 2D-LC-HRMS for lipidomics: an application to zebrafish (<i>Danio rerio</i>) embryos exposed to endocrine disruptor chemicals (EDCs). GEO-08 Rotman Criollo. An approach on shallow geothermal exploitation. GEO-02 Joan Botey. InSAR in monitoring of underground civil works in urban areas. Case of Glòries square, Barcelona.
13:00-13:40	S6: Oral Presentation Session 6 (Two 20-min talks). <i>Location: Saló d'Actes.</i> QA-11 Berta Sala. OPE plasticizers in loggerhead sea turtles from Balearic and Catalan Coasts: impact of diet and plastic marine litter. GEO-07 Jesús Yus-Díez. Lensing effect on Black Carbon particles by secondary organic aerosols and sulfates in Barcelona.

Date: Friday 18th Sep 2020

12:00 - 12:30	YRW Awards and Closure Ceremony <i>Location: Saló d'Actes.</i>
----------------------	--



Posters

- [Juliette Bedrossiantz](#) - *Pharmacological modulation of phototactic response of *Daphnia magna* to fish. The role of cholinergic, GABAergic and histaminergic signaling*
- [Juliette Bedrossiantz](#) - *Neurobehavioral effects of environmental relevant concentrations of glyphosate in adult zebrafish*
- [Yesenia Blasco](#) - *Alterations of miRNA abundances in zebrafish eleutheroembryos exposed to Endocrine Disrupting Chemicals (EDCs)*
- [Amaia Fernandez Iriarte](#) - *What do we breath while commuting by public bus in Barcelona?*
- [Max Giannetta](#) - *Natural attenuation of heavy metals via secondary hydrozincite precipitation in an abandoned Pb-Zn mine in the Aran Valley, Spain*
- [Joan Gutierrez León](#) - *REE desorption from Al- and Fe- hydroxysulfates in estuary water*
- [Francesc Labad](#) – *Detection of pharmaceuticals metabolites in radish crop irrigated with reclaimed wastewater by means of LC-SWATH-HRMS*
- [Marc Marin García](#) - *Photodegradation process of sulfamethoxazole monitored by UV spectrophotometry and HPLC-DAD-MS using chemometric analysis*
- [Siday Marrugo Madrid](#) - *DGT: strategies and challenges in its application in one of the most biodiversity areas in the world impacted by Artisanal Small Scale Gold Mining (ASGM)*
- [Albert Menéndez](#) - *Chemometric retention time prediction using the METLIN small molecule dataset*
- [Carlos Pérez López](#) - *Non-target proteomics study of WWTP samples by ROIMCR procedure*
- [Juan Andrés Pinos Flores](#) - *Experimental research approach on the dynamics of rainfall interception processes and their implications in a Mediterranean environment*
- [Atefeh Vafaie](#) - *An experimental investigation of the chemo-hydro-mechanical effects of CO₂ injection into sedimentary rocks*
- [Sonia Valdivieso Mijangos](#) - *Differences between the origin and the isotopic composition of the precipitation of the Eastern and Western Cordillera of the central Andes*
- [Albert Vega Herrera](#) - *Environmental problems associated to polychlorinated biphenyls adsorbed in microplastics emulating a seawater polluted system*
- [Marten in t Veld](#) - *Understanding the local and remote source contributions to ambient O₃ during a pollution episode using airborne measurements in the Guadalquivir valley, S Spain*

