

Seminar

“What do we know about the fate of micropollutants in STPs?”

Date	23 February 2016
Location	ETSE, School of Engineering (room A6) University of Santiago de Compostela
Objective	The purpose of the Seminar is to present new insights on how to improve the removal of organic micropollutants in sewage treatment plants and the receiving environment.

Programme

16:00 – 16:10	Introduction Prof. Juan M. Lema (Chemical Engineering Department, University of Santiago de Compostela)
16:10 – 16:35	“Main challenges in emergent contaminant analysis in water. Data Quality and Evaluation” Prof. Amadeo Rodríguez (Department of Chemistry and Physics, University of Almeria)
16:35 - 17:00	“Dynamics of pharmaceuticals compounds and their transformation products in the whole urban water cycle: from sewer systems to wastewater treatment plants and receiving river ecosystems.” Prof. Ignasi Rodriguez-Roda (Chemical Engineering Department, University of Girona)
17:00 – 17:25	“The effect of activated carbon and membrane filtration in the removal of pharmaceutical products in hospital wastewaters” Dr. Sonia Suarez (Senior researcher and project manager of Group of Environmental Engineering and Bioprocesses, University of Santiago de Compostela)
17:25 – 17:50	“Removal of pharmaceuticals by immobilized TiO₂ photocatalysis under simulated solar irradiation” Dr. Alette Langenhoff (Environmental Technology Department, Wageningen University)
17:50 – 18:15	“Bacteria feeding on antibiotics – a super resistance mechanism?” Prof. Philippe Corvini (School of Life Sciences, Institute for Ecopreneurship, University of Applied Sciences Northwestern Switzerland)
18:15 – 18:30	Discussion

Registration

If you are planning to attend this activity, please, make sure to register [here](#)

Speakers

Prof. Amadeo Rodríguez

Department of Chemistry and Physics, University of Almeria



Amadeo Rodríguez Fernández-Alba is graduated in chemistry from the Complutense University of Madrid and Professor of Analytical Chemistry in the Department of Chemistry and Physics, University of Almeria, Spain. He has participated as researcher in more than 50 European and National competitive projects mainly related with the evaluation of contaminants in food and environment. Co-head of the Community Reference Laboratory for Pesticide Residues in Fruits and Vegetables and director of the Research Group "Pesticide Residues" (AGR159).

Prof. Ignasi Rodriguez-Roda

Chemical Engineering Department, University of Girona



Barcelona, 1969, professor in chemical engineering at the university of girona and head of the area of technologies and evaluation at the Catalan Institute for Water Research. Strong background in urban wastewater treatment, artificial intelligence and membrane bioreactors, enthusiastic about micropollutants fate and removal in the urban water cycle.

Dr. Sonia Suarez

Senior researcher and project manager, University of Santiago de Compostela



Sonia Suárez holds a PhD in Chemical and Environmental Engineering since 2008, by University of Santiago de Compostela. Her research has focused on the removal of micropollutants (mainly pharmaceuticals, cosmetics and estrogens) in sewage treatment plants (STPs), including primary, secondary and posttreatment processes. The areas of interest include studying the factors that affect the removal of micropollutants during biological wastewater treatment, evaluating the different removal mechanisms involved in the elimination of these substances, analyzing the efficiency of innovative technologies in the removal and evaluating posttreatment techniques (activated carbon, ozonation) for increasing the quality of the final effluents.

Dr. Alette Langenhoff

Environmental Technology Department, Wageningen University



Alette Langenhoff works at the department of Environmental Technology, Wageningen University, the Netherlands, and focusses on microbial degradation processes of (micro)pollutants in soil and groundwater with 20 years of national and international research experience. Her main focus and interest is on degradation processes, such as biological and chemical remediation, Natural Attenuation and stimulated degradation of contaminants. She uses her microbiological background for the treatment of water, and combines biological methods with physical/chemical treatments for the removal of low concentrations of organic micro pollutants.

Prof. Philippe Corvini

School of Life Sciences, Institute for Ecopreneurship, University of Applied Sciences Northwestern Switzerland



Philippe François-Xavier Corvini (born in 1972) obtained PhD in Biotechnology at ENSAIA (Nancy, France). He is full professor and head of the Institute for Ecopreneurship at the School of Life Sciences at the University of Applied Sciences and Arts Northwestern Switzerland (FHNW). He obtained habilitation at RWTH Aachen University and University of Basel (Switzerland). He is also adjunct professor at Nanjing University and at the Yancheng Institute of Environmental Technology and Engineering in China and Doctor Honoris Causa of Iasi University (Romania). He serves currently as vice-president of the European Federation of Biotechnology (EFB) and chairs the Environmental Biotechnology section of EFB. He is member of the sub-committee Biotechnology of IUPAC and member of the board of the International Society of Environmental Biotechnology.

Location

AULA 6

Escola Técnica Superior de Enxeñaría (ETSE)

Rúa Lope Gómez de Marzoa, s/n. Campus Sur
15782 Santiago de Compostela

[Mapa](#)



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