



INVITATION TO SEMINAR

Dr. Rebeca López Serna

Institute of Environmental Assessment and Water Research (IDAEA), Spanish
National Research Council (CSIC), Barcelona, Spain

Analysis and fate of pharmaceutical residues in ground, superficial and sewage waters

Date: 29.7.2013, 11:00

Venue: lecture room RCX1 (A29/252), 2nd floor,
Research Centre for Toxic Compounds in the Environment (RECETOX)
Faculty of Science, Masaryk University, Kamenice 5, Brno

Syllabus of lecture:

Pharmaceuticals are chemical compounds with biologic activity, and their transformation products (metabolites and by-products from the WWTPs) which have remaining pharmacologic activity in some cases, are reaching the environment and getting into contact with untargeted organisms. The main gate is the sewage water. This is a fact widely known by the scientific community who are demanding, therefore, control measures by the authorities.

Development of analytical method for aqueous matrixes and main features (reliability, sensitivity, versatility, capacity, throughput) will be described. Once the tools are developed, these are applied to the scenarios selected for their environmental and/or socio-economic interest. The evolution/improvement in the methodology makes possible more complete and complex studies.

