

OCCURRENCE AND FATE OF EMERGING ORGANIC MICROPOLLUTANTS IN SEWAGE TREATMENT PLANTS

During the last decade different classes of organic micropollutants have been detected in surface and groundwater worldwide, while Sewage Treatment Plants have been recognized as significant sources for their transfer to the environment. Based on the findings of WATERMICROPOL project, this lecture will discuss a) the concentration levels of different groups of emerging contaminants in municipal wastewater and sludge, b) the ability of conventional wastewater treatment to remove organic microcontaminants and the mechanism affecting their fate and c) the possible threats for the aquatic environment due to their existence in treated wastewater and biosolids.