

**POS6. RELATIONSHIP BETWEEN SEDIMENT AND SURFACE WATER  
BODY - POLLUTANT TRANSFER FROM SOLID TO LIQUID PHASE**

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**Abstract**

The evaluation of pollution level for sediments that are in permanent contact with surface water supplies offers valuable informations about the origin of some impurities in aqueous phase. The quality of surface water intended to potabilization is often worsened with substantial increasing of pollutants concentrations, in the case of extreme meteo phenomena (torrential rains, floods).

A case study regarding the relationship between extreme meteo phenomena produced on tributaries and pollution level of Danube River in Bechet area is presented. Among the main pollutants that are identified in high concentrations in surface water/Danube river, suspended matter, organic load, heavy metals, PAH are mentioned.

**Key words:** *pollution level, sediment, surface water*