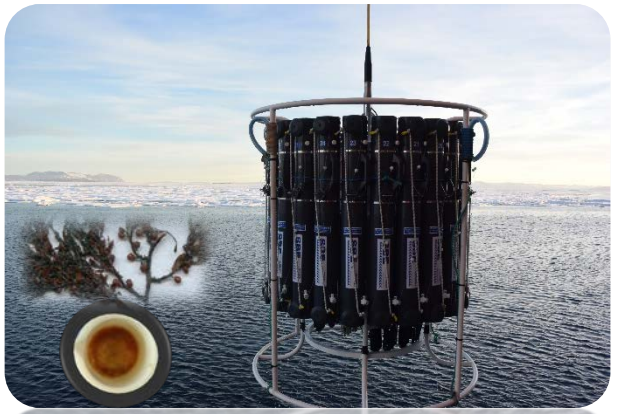
Universitat de Lleida
Escola Tècnica Superior d'Enginyeria Agrària

Grau Biotecnologia



Seminari virtual: “Acid-base and metal binding properties of organic compounds"

a càrrec del professor **Pablo Lodeiro** (Beatriz Galindo, Universitat de Lleida)

A broad pool of organic molecules contributes to the storage of atmospheric CO_2, support ecosystems and influence trace metal cycles, which are essential for primary production, but can also produce toxic effects. Micronutrient binding to organic matter in natural waters occurs through complex interactions with many binding sites of variable strength and stoichiometry. Thus, binding models that explicitly link metal complexation to the acid–base properties of organic matter and incorporate heterogeneous distributions of binding sites, can improve our understanding of metal biogeochemistry and help to predict changes in the future climate scenarios. Accordingly, a large variety of materials of biological origin have been successfully used in recent decades for the removal of pollutants from waters. These biosorbents include natural organic compounds with specific physicochemical properties that play a key role on the adsorption process.

Data: dimecres, 14 de maig de 2021
Hora: 12:00 h
Enllaç: https://eu.bbcollab.com/guest/5351bdda84ac46fb9b8dba7323c5602e