

## **Tematica Post 2. Cercetător științific III**

- Bioremedierea solurilor saline. Tehnici și tehnologii de fitoremediere.
- Factorii fizici, chimici și biologici care controlează dispersia metalelor grele în cadrul pedosferei.
- Serviciile ecosistemice și biodiversitatea ecosistemelor. Maparea serviciilor ecosistemice și analiza metodelor utilizate.
- Tehnici de extracție a compușilor de interes. Extracția cu microunde. Extracția cu fluide supercritice. Tehnica ASE (accelerated solvent extraction). Digestia probelor de țesut vegetal, apă, sol pentru analiza multi-elementală.
- Tehnici calitative și cantitative pentru screening-ul compușilor chimici din plante. Determinarea elementelor minerale (nutrienți și contaminați) prin spectrometria de masă cuplată în mod inductiv cu plasmă (tehnica ICP-MS).
- Managementul proiectelor – principii și etape.

## *Bibliografie*

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