

## Job Title

# Analytical methodology development for heavy metal hyperspectral imaging of soil samples.

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## Main tasks and responsibilities/Job description

The tasks of this job are:

- Study of specific requirements for analysis of heavy metals in soils using hyperspectral imaging
  - Development of a methodology for sample preparation and analysis
  - Characterization of the device in lab with different samples
  - Evaluation of complete system for soil contamination
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## Requirements

Bachelor in Chemical engineering, Environmental Chemistry or similar

## Description of Group/Project

The candidate will join a highly dynamic group in the area of sensors and photonic technologies. This group is multidisciplinary and formed by engineers, chemists, physicists, biochemists, etc. The project that will grant this contract is from *Proyectos de Transición Ecológica y Transición Digital* call from the Ministerio de Ciencia e Innovación. This is a collaborative project with one group from the Universidad Politecnica de Valencia.

## Summary of conditions

- The salary will be established by CSIC rules for a Graduated level
- The contract will have a first term of 6 months as practices and can be extended to two years.
- This work could be subjected to do a PhD thesis.

## How to apply

All applications must be sent to [Cecilia.jimenez@csic.es](mailto:Cecilia.jimenez@csic.es), with the subject **TED contract**.

Applications must include:

1. A full CV.
2. Academic record

## Deadline for applications: 28/02/2023

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This offer can be found on: <https://www.imb-cnm.csic.es/en/about-center/careers/open-positions>

More information on IMB-CNM: <https://www.imb-cnm.csic.es/en/>