

CENSE

Environmental assessment, monitoring and remediation
Chromatography, Mass Spectrometry, Sample Preparation,
Chemical Ecology, Environmental Analysis, Remediation



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Objectives

- Chemical Ecology, Pheromone and Semiochemical analysis, plant volatile analysis, metabolomics.
- Development of new analytical methodologies for the characterization of complex biological samples, environmental polluted matrices and monitoring of remediation processes.

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Methodology

- Study and development of sample preparation and analytical methodologies mainly using chromatographic techniques (SPE, SPME, GC, GCxGC, HPLC, GC/MS).
- Study and optimization of the electrokinetic process applied to different matrices.
- Study and optimization of advanced analytical techniques (e.g. GC x GC) matrix characterization and contaminant monitoring during remediation processes.



Expected Results

**HPLC, GC, GC x GC & GC/MS
analysis of Semiochemicals,
environmental samples and
remediation processes**

