Platform "ECOMES"

Emerging contaminants, metallomics, speciation

The analytical resources of the technical platform include a pool of mass spectrometers for the characterization of biomolecules and nano-objects in biological and environmental matrices and materials.
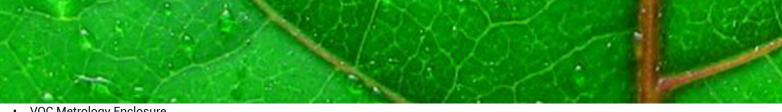
Fields of application

- Environment
- Food, Nutrition, Health
- Energy
- Materials

Themes and skills

- Characterization of proteins associated with metals or trace elements
- Characterization of nanoparticles and nanoplastics (food, cosmetics, environment)
- Metal Specification (environmental, oil, food, pharmaceutical)
- Analysis of volatile compounds from the emission of materials
- Analysis of additives, contaminants-, POPs, emerging pollutants, metabolites

Equipment and Instruments

- Triversa nano - LUMOS 1M ETD
- UPLC2D/GC - TIMSTOF
- UHPLC-ESI-FTMS
- capLC-ICPHRMS
- SIFTMS
- ICP-MS
- NWR213 Laser Ablation
- GCMS ATD

- VOC Metrology Enclosure
- NanoLC & fraction collector
- GCMS
- DART & Pyrolyser
- Microtome
- Ultracentrifuge