Assoc. Prof. Dr. Christophe Pécheyran

Institut des Sciences Analytiques et de Physico-chimie de l'Environnement et des Matériaux (IPREM), UMR 5254 Université de Pau et des Pays de l'Adour - CNRS, Laboratoire de Chimie Analytique Bio Inorganique et Environnement (LCABIE)

Trace element determination by atomic spectrometry techniques

Recent advances in atomic spectrometry allow considering original applications. Some techniques considered as mature (or dead!), such as GF/AAS, might now relive due to the combination of graphite furnace with continuum light source and high spectral resolution spectrometer. Inductively Coupled Plasma Mass Spectrometry has also received a great interest in the last decade with the arising of new mass spectrometer geometries: right angle ion beam deflection, Mattauch Herzog geometry, Jet interface HR-ICPMS. In this course, we will present this innovative instrumentation.