

## Determination of some organic pollutants by gas chromatography coupled with mass spectrometry

Simona DOBRINAȘ<sup>a</sup> and Valentina COATU<sup>b</sup>

*<sup>a</sup>Department of Chemistry, „Ovidius” University, 124 Mamaia Blvd, 8700 RO Constantza*

*<sup>b</sup>National Institute of Marine Research “Grigore Antipa”, 300 Mamaia Blvd, 8700 RO Constantza*

---

**Abstract** Several pesticides and polycyclic aromatic hydrocarbons (PAHs) have been determined in water of the Black Sea. Analysis of the pesticides and PAHs was performed by gas chromatography (GC) with electron capture detection (ECD) and mass spectrometry in tandem (MS/MS) mode, after a preconcentration step of the samples with liquid – liquid extraction.

*Keywords:* pesticides, PAHs, GC, ECD, MS/MS

---