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**METHODOLOGICAL ASPECTS CONCERNING THE APPLICATION OF
HR-CS-GF-AAS TECHNIQUE FOR THE INVESTIGATION OF TRACE METALS
IN DANUBE RIVER WATER, GALATI REGION**

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Abstract: The paper presents some methodological issues and data treatment in the case of using High-Resolution Continuum Source Atomic Absorption Spectrometry (HR-CS AAS), with graphite furnace (GF) technique for the determination of trace metals in surface water. The water was sampled from Danube river, Galati area, Romania, and the AAS analyses were performed in the INPOLDE laboratory at Dunarea de Jos University of Galati, using a ContrAA®700 spectrometer, Analytic Jena, Germany. Concentrations of Al, As, Cd, Co, Cr, Cu, Fe, Mn, Ni, Pb, Se and Zn have been determined in filtered water samples in optimized experimental conditions.

Keywords: HR-CS-AAS, graphite furnace technique, Danube, water, trace metals.

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