

DETERMINATION OF DDT AND METABOLITES IN DRIN AND BUNA RIVERS

Eralda DANO, Prof.Ass.Anila NEZIRI

e-mail: danoeralda@gmail.com

Abstract

The Drin River is the connecting body of a complex water system, comprises the transboundary sub-basins of the Black Drin, White Drin, and Buna/Bojana (outflow of Skadar/Shkoder Lake in the Adriatic Sea) Rivers, and the subbasins of Prespa, Ohrid and Skadar/Shkoder Lakes. The present study consist in the determination of DDT and metabolites in water of rivers Drini and Buna/Bojana. DDT and metabolites have a wide range of anthropogenic, agricultural, including wastewater discharges, domestic home and other applications. These rivers keep on and carry on, the following organic pollutants, which include chlorinated pesticides (OCPs) DDT and metabolites were determined and quantified in ng/L by using LLE-GC- μ ECD analytical method. The samples of Drin and Buna rivers were collected in four seasons of 2013-2014.

Key words: OCPs, LLE-GC- μ ECD, DDT