



MICROWAVE-ASSISTED CHEMISTRY. A REVIEW OF ENVIRONMENTAL APPLICATIONS

Mioara Surpăteanu¹, Carmen Zaharia^{1*}, Georgiana G. Surpăteanu²

¹ "Gh. Asachi" Technical University of Iasi, Faculty of Chemical Engineering, Department of Environmental Engineering and Management, Bd.D.Mangeron 71A, 700050, Iasi, Romania

² Laboratory of Medicinal Chemistry, University of Antwerp

Abstract

The extraction of some pollutants from different matrices, the treatment of hazardous and infectious wastes, the destruction of refractory compounds and the prevention of noxious emissions are the main environmental applications of microwave-assisted chemistry. The advantages and disadvantages of this technique are also considered.

Key words: microwave-assisted chemistry, environmental application

* Author to whom all correspondence should be addressed: czah@ch.tuiasi.ro