



A SOCIAL INQUIRY ASSESSMENT OF NEW WATER AND WASTEWATER DISINFECTION DEVICES

Daniela Suteu¹, Irina Volf^{2*}, Luminita Lupu³, Carmen Teodosiu², Carmen Ioan²

"Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection

¹Department of Organic and Biochemical Engineering, 71 Mangeron Blvd., 700050 Iasi

²Department of Environmental Engineering and Management, 71 Mangeron Blvd., 700050 Iasi

³Department of Management and Production Systems Engineering, 53-55 Mangeron Blvd., 700050 Iasi, ROMANIA

Abstract

This paper aims at developing a study concerning a prototype production opportunity and its use for Small and Medium Enterprises (SMEs) as polluters and consumers, as well as for household consumers.

The technical impact can be assessed through introduction of a new and low polluting technology which does not change the taste and smell of water, does not need chemical additives and uses a series of small and easy maintainable equipments with low costs. The method called "*documentation and survey*" has been chosen for this research, while *the questionnaire* was used as an instrument for data collection. The social consulting and the questionnaire answers were analyzed using the Statistical Package for the Social Science Statistic Program (SPSS). The studied population was represented by both, SMEs as polluters and consumers and household consumers.

Key words: households consumers, SMEs, social inquiry, UV radiation, water disinfection

* Author to whom all correspondence should be addressed: e-mail: iwolf@ch.tuiasi.ro