



“Gheorghe Asachi” Technical University of Iasi, Romania



RESEARCH ON THE TREATMENT OF WASTEWATER IN THE TEXTILE INDUSTRY

Irina-Isabella Savin^{1*}, Romen Butnaru²

¹Ioan C. Ștefănescu Technical Highschool, Iași Socola Str., 51-53, 700268, Iași, Romania

²“Gheorghe Asachi” Technical University of Iasi, Faculty of Textile – Leather Engineering and Industrial Management,
D. Mangeron Blvd., 53, Building TEX1, 700050 Iași, Romania

Abstract

Taking into account the statistical data gathered in two previously published papers concerning the pollution sources in the production sector, namely *Finishing* section, various solutions are proposed for wastewater treatment. Bearing in mind the results obtained through the sampling method on different types of water in the urban sanitary sewer system, the conclusion was that the most convenient alternative, besides the source control is the treatment in wastewater treatment plants. This is due to the wastewater recycling systems which no longer ask for the optimization of the dilution treatment, through water supply from other systems.

A chart of the reengineered sewage treatment works was also proposed.

Key words: pollution levels, technological flowcharts, wastewater pre-treatment works, wastewater treatment.

* Author to whom all correspondence should be addressed: savinisabella@yahoo.com, Phone 0232 436965, 0729 859522