

## Wastewater from the Food Industry: Characteristics and Possibilities of Sediments on the Basis of the Dairy Industry

**Authors :** Monika Gałwa-Widera, Anna Kwarciak-Kozłowska, Lucyna Sławik-Dembiczak

**Abstract :** Issues relating to management of sewage sludge from small and medium-sized wastewater treatment plants is a vital issue, which deal with such scholars as well as those directly involved in the issue of wastewater treatment and management of sedimentary. According to the Law on Waste generating waste is responsible for such processing to the product obtained impacted on the environment minimally. In small and medium-sized wastewater treatment plants have to deal with the technology of sludge management technology is far from drying and incineration of sewage sludge. So here you can use other technologies. One of them is the composting of sewage sludge. It is a process of processing and disposal of sewage sludge that effectively their disposal. By composting, we can obtain a product that contains significant amounts of organic matter to assess the fertilizing qualities. Modifications to the ongoing process in biological reactors allow for more rapid receipt of a wholesome product. The research presented and discussed in this publication relate to assist the composting process of sewage sludge and biomass structural material in the shares of rates: 35% biomass, 55% sludge, 10% structural material using a method which involves the re-spawning batch composting physical methods leachate from the composting process.

**Keywords :** biomass, composting, industry, sewage sludge

**Conference Title :** ICEBESE 2014 : International Conference on Environmental, Biological, Ecological Sciences and Engineering

**Conference Location :** Paris, France

**Conference Dates :** December 30-31, 2014