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RECOVERY OF SUGAR INDUSTRY WASTE-CARBONATION SLUDGE WITH INDUSTRIAL SYMBIOSIS

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ABSTRACT

One of the most important wastes produced during the production of sugar is the carbonation sludge. Carbonated sludge, which is very high in quantity and is a storage problem, causes environmental pollution. Many plants which use calcium carbonate as their raw material meet needs from natural sources. The depleted natural resources give priority to the concept of sustainability. One of the most important tools of the concept of sustainability is industrial symbiosis. In this study, it was revealed that carbonation sludge which emerged as waste during sugar production could be used as raw material in different industrial sectors.

Key words: Sustainability, sugar industry, carbonation-sludge, industrial symbiosis.