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ORGANIC WASTE VALORIZATION THROUGH COMPOSTING PROCESS: A FULL-SCALE CASE STUDY IN MAXIXE, MOZAMBIQUE

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Abstract

Organic solid waste and the current lack of sound treatment for its valorisation are of high priority for decision makers in developing countries. Despite the remarkable use of composting processes in those areas, an appropriate scientific literature as well as databases are still lacking, hampering the sustainable implementation of composting process. This paper contributes to cover this gap, presenting a full-scale case study in Maxixe, Mozambique. Technical characteristics and detailed operational data (e.g.: process duration, frequency of pile turning, pile temperature trend) of the composting plant represent useful information that can support technicians interested in designing and operating composting plants in developing countries.

Key words: Composting, developing countries, Mozambique, organic waste, waste recovery

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