



Journal of Applicable Chemistry

2014, 3 (2): 739-742

(International Peer Reviewed Journal)



Effect Of Microbial Consortium On The Composting Of Coir Pith Waste

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Accepted on 8th February 2014

ABSTRACT

Cellulolytic microorganisms isolated from Coir pith waste has been utilized for the production of compost. For the fastening of the period of composting, single, dual and triple inoculants of microorganisms was used. The periodical changes in dehydrogenase activity. C:N ratio and germination test were measured. The Dehydrogenase activity and C:N ratio was satisfactory in all the compost and they were well within the limit. The compost germination percentage was more than 90 which confirmed the non-existence of phototoxic compounds. The triple inoculants (consortium) were significant on the period of composting when compared to single or dual inoculants.

Keywords: Coir pith waste, Dehydrogenase, C:N ratio, Germination.
