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## **Study the effect of microorganisms on different stages of compost production and microbial starter production**

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Composting means biodegradation of organic wastes by microorganisms and macro organisms to beneficial soil conditioner for agricultural use. Since compost process is a biological process, and most important roles in this process are done by microorganisms, therefore in this research we considerate different roles of microorganisms in composting process and isolating beneficial microorganisms for production of microbial starter for optimization and enrichment of composting process. Microorganisms have the following roles in composting process: degradation of polymers, odor control and enrichment of compost. Since most organic material polymers in MSW are cellulose, Hemicelluloses, Lignocelluloses, Starch, Proteins and lipids in this research we try to isolate degrading microorganism for these polymers to be added to composting pile as microbial starter.

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