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Paper Title: Biodegradable Capability of the Indigenous Micrococcus sp. Oil Degrading Bacteria Isolated from Oil Contaminated Soil, Motor Workshop Area of Bahrur, Alwar, Rajasthan, India.

Abstract: Crude oil contamination is one of the important issue in the current environment pollution. Physical, chemical and biological methods are applied for bioremediation. Use of microorganisms is one of the most popular methods among them. In this experiment, soil samples were collected from the different motor workshop areas to isolate potential microbes capable of crude oil degradation. Isolation of the crude oil degrading bacteria was followed by enriching the microorganisms by providing suitable growth conditions. The microorganisms those were capable of degrading the crude oil were identified as *Bacillus* spp., *Pseudoxanthomonas* spp., *Phenylobacterium* spp. and *Micrococcus* spp. by morphological and biological methods. Among them, biodegradation capability of *Micrococcus* sp. was studied at different oil concentrations.

Keywords: Crude Oil Degradation, *Micrococcus* sp., Indigenous, Contaminated Soil.

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