

Microbioremediation of Pesticides

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Abstract—*Use of pesticides is an indispensable tool to escalating the crop yield and to protect the economically important crops. Conversely, these pesticides are one of the major pollutants which cause the pollution and most of the pesticides belong to groups that are generally persistent and toxic. Pesticide residues have an adverse effect on environmental and human health. Subsequently, regular monitoring and control of pesticide usage is crucial. Conventional methods aimed to eradicate pesticide residues are inefficient and presently bioremediation of pollutants is a matter of attention in terms of environmental cleaning. This study presents an overview of potential microbioremediation strategies and use of potential microalgal-bacterial-fungal consortia for recuperation of pesticide polluted sites. Information about potential microbial consortia that can be employed for remediation of wide range of pesticides can serve as baseline data for various remediation projects.*

Keywords: *Microbioremediation; Mycoremediation; Pesticide pollution; Phycoremediation.*