

EFFECT OF THE DYE MALACHITE GREEN ON SOIL MYCOBIOTA

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Abstract : Effect of the dye malachite green (MG) on soil mycobiota was evaluated with an aim to mark out fungal strains which might be able to remove MG from effluents by adsorption. Soil treated with different concentrations of solution of malachite green were screened for fungal isolates. On the whole, *Aspergillus flavus*, *Aspergillus fumigatus* and *Aspergillus niger* could survive malachite green treatment in soil to a reasonable extent and their sizeable populations were isolated from MG- amended soils throughout the period of study, even from the soil treated with as high as 2000 ppm concentration malachite green solution.

Keywords : Dye pollution, Malachite green, Dye-tolerant fungi, soil mycobiota.

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