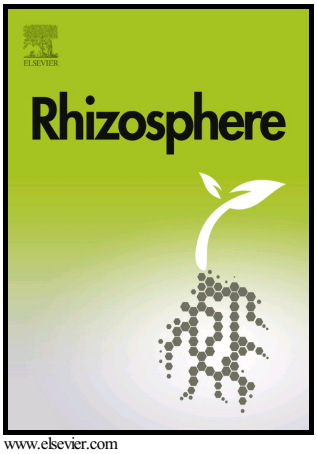

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ABSRACT

An investigation was undertaken to evaluate the potential of two sewage grown microalgal formulations (consortia of native microalgae mixed with vermiculite: compost as carrier) in enhancing the soil micronutrient availability and uptake in wheat crop. Significantly higher available zinc (Zn), iron (Fe), copper (Cu) and manganese (Mn) content were recorded in soil samples from treatments belonging to microalgal consortia inoculation, as compared to uninoculated treatments, at both mid and harvest stage of wheat crop. A significant enhancement of 35.1 - 51% in organic carbon content was recorded in microalgal consortia