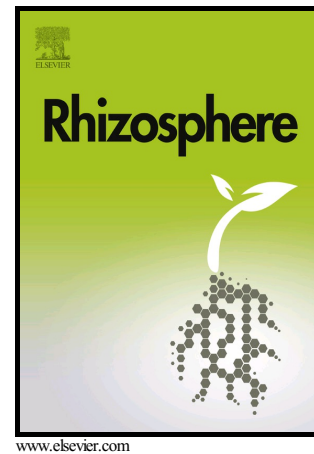


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PII: S2452-2198(17)30040-X  
DOI: <http://dx.doi.org/10.1016/j.rhisph.2017.04.005>  
Reference: RHISPH49

To appear in: *Rhizosphere*  
Revised date: 6 April 2017  
Accepted date: 6 April 2017

Cite this article as: Nirmal Renuka, Radha Prasanna, Anjuli Sood, Radhika Bansal, Ngangom Bidyarani, Rajendra Singh, Yashbir S. Shivay, Lata Nain and Amrik S. Ahluwalia, Wastewater grown microalgal biomass as inoculants for improving micronutrient availability in wheat, *Rhizosphere*, <http://dx.doi.org/10.1016/j.rhisph.2017.04.005>

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## **Wastewater grown microalgal biomass as inoculants for improving micronutrient availability in wheat**

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### **ABSTRACT**

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

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