# Plant growth promoting rhizobacteria that decrease chromium toxicity in *Brassica juncea*

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## Abstract

The aim of the present study was to assess the importance of siderophore producing rhizobacteria on the growth of *Brassica juncea* under chromium stress. *Pseudomonas* sp. (A4) produced an iron chelating substance siderophores in iron deficient medium. Under chromium stress condition *Pseudomonas*sp. (A4) markedly increased the root and shoot length and also biomass of *Brassica juncea* as compared to *Pseudomonas* sp. (A3). This plantgrowth promotion has been related to the microbial production of siderophore.