

Phytoremediation of soil contaminated with Zn using Canola (*Brassica napus* L)

Authors

Amel Souhila Belouchrani, Nabil Mameri, Nadia Abdi, Hocine Grib, Hakim Lounici, Nadjib Drouiche

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Description

Soil contamination by heavy metals is one of the major environmental problems in the world. In such environments, especial species of plants have the ability to grow, adaptation and uptake the heavy metals. Although the use of Brassica familyplants heavy metals phytoremediation is well known, there is little information about the impact of *Brassica napus* L increasing concentrations of heavy metals on parameters. A three-month study was carried to evaluate: the capacity of Canola *Brassica napus* L plants to phytoextract Zn from artificially polluted soil and the study the effect of increasing Zinc doses on the parameters of canola *Brassica napus* L (stem height, root length, leaf number, and dry matter yield). The findings show that Canola is a Zinc hyperaccumulator and high doses of it do not affect Canola growth. The statistical study after three months (12 weeks) of experimentation revealed a significant positive ...