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Allelopathic Effects of Some Medicinal Plants Extracts on Seed Germination of Some Weeds and Medicinal Plants

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Abstract

The allelopathic effects of leaf extracts of *Datura* sp., *Cnicus benedictus*, *Silybum marianum* and *Plantago lanceolata* on seed germination of main weeds of Mashhad region were investigated. Seed germination of the weeds and commercial plants shown different reactions. Seed germination of the weeds decreased and then Mean Daily Germination (MDG) increased. In some cases germination rate increased in comparison with control (treated with distilled water).

Keywords: Allelopathy, Germination, Medicinal Plants, Weed Control, Allelochemicals.