

# A Study on Macromolecular Protein Synthesis Affected By Agrochemical 2, 4-D In Seedling of Weed *Hyptis Suaveolens* L.

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**Abstract:** Agrochemical 2, 4-Dichlorophenoxy acetic acid (2,4-D) is an unintentionally toxic substance. The most obvious side effects of this toxicant are more or less macromolecular synthesis of protein content in weed plant *Hyptis suaveolens* L. In this investigation seeds of *Hyptis suaveolens* L. were treated with different concentration of agrochemical 2,4-D at room temperature for 24 hours and allow to grow in petri dishes. Seedling protein profile content were analyzed; the result indicate that 2,4-D reduces the protein content of seedlings gradually from lower to higher concentration as compare to control.

**Keywords:** *Hyptis suaveolens* L., seedlings, 2,4-D, macromolecular protein synthesis

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