

## STUDY THE SPECTRUM OF INDUCED CHLOROPHYLL AND MORPHOLOGICAL MUTANTS IN MUNGBEAN (*VIGNA RADIATA* L. WILCZEK)

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**Abstract:** To induce mutagenesis, mung bean variety GM - 4 was irradiated with different dose of physical (Gamma rays) mutagen to induce mutagenesis. The chlorophyll mutants were studied in M<sub>2</sub> and M<sub>3</sub> generations and spectrum of chlorophyll mutation were worked out. There were five types of chlorophyll mutation was observed, i.e. albina, xantha, chlorine, viridis and complex types. While analysing the result, it was observed that the mutation frequency increased with increase in the dose of mutagen. The different types of morphological mutants were also induced. Of the different types of macro-mutations induced in the present investigation, the chlorophyll deficient mutations are of hardly any economic importance but the tall, dwarf, male sterile and brown pod colour mutants are agronomically important.

**Keywords:** Chlorophyll mutants, Mungbean, Mutation

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