

Valuation of Genotoxic Effect of Aqueous Organic Compound with *Allium Sativum* [Garlic]

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Abstract: *The current study was deliberate to estimate the genotoxic effect of 1,2,4,5-tetrazin using Allium sativum [Garlic] root chromosomal abnormality analyse. Root tips of Allium sativum were treated with different concentrations of 0.001M, 0.002M, 0.003M, 1,2,4,5-tetrazin with 10% Dimethyl Sulfoxide-Water were used in the current study. After treatment Various types of physiological hydrolyzed, squashed, mitotic index (MI), cytological abnormalities and Chromosomal aberrations rate were scored. Then the results exposed a genotoxicity effect as well as significance reduction in the Mitotic index of toxic effect was found to be dose dependent.*

Keywords: Allium Sativum., Garlic, Mitotic Index, 1,2,4,5-Tetrazin, Chromosomal Aberrations

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