

VARIABILITY STUDIES IN CUCUMBER (*CUCUMIS SATIVUS* L.)

Barsha Tripathy\*, P. Tripathy<sup>1</sup>, M. Sai Sindhu, K. Pradhan, B. Sahu, B. Bhagyarekha and Sandeep Rout<sup>2</sup>

Department of Horticulture, Centurion University of Technology and Management, Paralakhemundi, Odisha-761211

<sup>1</sup>Department of Vegetable Science, OUAT, Bhubaneswar, Odisha-751003

<sup>2</sup>Department of Agronomy and Agroforestry, M. S. Swaminathan School of Agriculture, Centurion University of Technology and Management, Parlakhemundi, Odisha-761211

Email: [barshatripathy185@gmail.com](mailto:barshatripathy185@gmail.com)

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**Abstract:** It is believed that cucumber has been originated from India and is acknowledged that China is the secondary center of diversity. Despite being originated in the Indian sub-continent and having substantial variety of plant traits, the crop remains underutilized with respect to its breeding value and economic potential. Cucumber improvement has a huge scope in India and overseas. A detailed knowledge on genetic variability, heritability, genetic advance, correlation, path coefficient of various quantitative characters and genetic diversity is essential for any crop, to achieve highest productivity. Studies in this aspect are minimal and are not carried out for every genetic materials and climatic condition. Hence, the information below provides a solid breeding plan for the improvement of cucumber crop.

**Keyword:** Cucumber, Variability, Correlation, Path coefficient, Genetic diversity

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\*Corresponding Author

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