ANALYSIS OF COEFFICIENTS OF VARIATION FOR YIELD AND QUALITY CHARACTERS IN AROMATIC ADVANCED BREEDING LINES OF RICE (ORYZA SATIVA L.)

Sujeet Singh Kanwar and Raushan Kumar

Department of Genetics and Plant Breeding, Indira Gandhi Agriculture University, Raipur, 492006, Chhattisgarh, India

Email: Sujeetgbpb89@gmail.com, Raushan.ogrey@gmail.com

Abstract: The experiment was conducted at Research Farm, Department of Genetics and Plant Breeding, College of Agriculture, Indira Gandhi Krishi Vishwavidyalaya, Raipur (C.G.) during kharif 2010 to assess the agromorphological characterization, genetic variability, association analysis and genetic divergence among the ninety eight aromatic advanced breeding lines of rice along with popular standard checks namely Indira Sugandhit Dhan-1, Pusa Basmati-1, Badsha bhog, Dubraj, Chinnor, Mahisugandha and Kalanamak. The high estimate of phenotypic and genotypic coefficient of variation was observed from Unfilled spikelets per panicle, Filled spikelets per panicle, Total spikelets per panicle, Spikelet sterility percentage, and Grain yield per plant and Brown rice breadth.

Keywords: Aromatic rice, Genotypic Coefficient of Variance (GCV), Phenotypic Coefficient of Variance (PCV)

REFERENCES