SHORT COMMUNICATION

ANALYSIS OF PATH COEFFICIENT FOR YIELD AND QUALITY CHARACTERS IN AROMATIC ADVANCED BREEDING LINES OF RICE (*ORYZA SATIVA* L.)

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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 path analysis revealed that Panicle length, Effective tillers per plant, Filled spikelets per panicle, Spikelet sterility percentage and 100 seed weight had high and positive direct effect on Grain yield per plant.

Keywords: Aromatic Rice, Path Analysis, Advanced Breeding Lines of Rice

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