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

Sujeet Singh Kanwar, Raushan Kumar

Department of Genetics and Plant Breeding, Indira Gandhi Agriculture University, Raipur, 492006, Chhattisgarh, India
Email: Sujeetgpb89@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 Vishwanidyalaya, Raipur (C.G.) during kharif 2010 to assess the agronomorphological 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. In the present investigation Grain yield per plant was positively and significantly associated with 100-seed weight, Number of total effective tillers per plant, Filled spikelets per panicle and Total spikelets per panicle.

Keywords: Aromatic Rice, Genotypic Correlation Coefficient, Phenotypic Correlation Coefficient

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