

Curriculum Vitae



RAHUL KUMAR

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Department of Genetics & Plant Breeding
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Educational Background:

M.Sc., Ag. Botany (Genetics/ Plant Breeding)	Ch. Charan Singh University, Meerut, INDIA
M.Phil. Ag. Botany (Genetics/ Plant Breeding)	Ch. Charan Singh University, Meerut, INDIA
Ph.D. Major : Genetics & Plant Breeding	G. B. Pant University of Ag. & Tech., Pantnagar, INDIA
Minor : 1. Mol. Biology & Biotechnology 2. Plant pathology	

Research Projects (as PI) funded by DBT:

- Biofortification of the wheat for micronutrients through and molecular approaches Phase II for a period of 5 Year (Rs. 109.304 Lakh)
- Improvement of end use quality of 1BL/1RS translocation containing wheat varieties by removing of Sec-1 loci and retaining Glu-B3 using marker assisted back cross breeding (MABB)." for a period of 5 Year (Rs. 55.36 Lakh)

Selected Publications :

- Sheikh I, P Sharma, SK Verma, S Kumar, **R Kumar**, P Vyas, H S Dhaliwal (2018) Development of intron targeted amplified polymorphic markers of metal homeostasis genes for monitoring their transfers from Aegilops species to wheat. *Mol Breeding* 38:47
- Sharma P, I Sheikh, S Kumar, SK Verma, **R Kumar**, P Vyas and H S Dhaliwal (2018). Precise transfers of genes for high grain iron and zinc from wheat-Aegilops substitution lines into wheat through pollen irradiation. *Mol Breeding* (2018) 38:81
- Sharma P, I Sheikh, D Singh, S Kumar, SK Verma, **R Kumar**, P Vyas, H S Dhaliwal (2017) Uptake, distribution, and remobilization of iron and zinc among various tissues of wheat-Aegilops substitution lines at different growth stages. *Acta Physiol Plant* 39:185
- Singh J, I Sheikh, P Sharma, **R Kumar**, S Malik, S Kumar, P Vyas and H S Dhaliwal (2016). Transfer of HMW glutenin subunits from *Aegilops kotschyi* to wheat through radiation hybridization. *Journal of Science of Food and Agriculture* (DOI 10.1007/s13197-016-2333-6)
- Ansari M J, **R Kumar**, K Singh and H S Dhaliwal (2013) Characterization and molecular mapping of EMS-induced soft glum mutant of diploid wheat (*Triticum monococcum* L.). *Cereal Research Communication* (DOI: 10.1556/CRC.2013.0057)
- Ansari, M J, A AL-Ghamdi, S Usmani, **R Kumar**, A Nuru, K Singh. and H S Dhaliwal (2013) Characterization and gene mapping of brittle culm mutant of diploid wheat (*Triticum monococcum* L.) with irregular xylem vessels development. *Acta physiol Plant* (DOI 10.1007/s11738-013-1275-0)
- Ansari, M J, A AL-Ghamdi, **R Kumar**, S Usmani, Y AL-Attal, A Nuru, A A Mohamed, K Singh. and H S Dhaliwal (2013) Characterization and gene mapping of a chlorophyll-deficient mutant *clm1* in diploid wheat (*Triticum monococcum* L.). *biologia Plantarum* 57 (3): <http://link.springer.com/journal/10535/57/3/page/1> 442-448
- Ansari, M. J, **R Kumar**, K Singh and H S Dhaliwal (2011) Characterization and molecular mapping of EMS-induced brittle culm mutants of diploid wheat (*Triticum monococcum* L.). *Euphytica* 186(1): 165-176
- Rajpurohit D, **R Kumar**, M Kumar, P Paul, A Awasthi, P Osman Basha, A Puri, T Jhang, K Singh and H S Dhaliwal (2011) Pyramiding of two bacterial blight resistance and a semidwarfing genes in Type 3 basmati rice using marker-assisted selection. *Euphytica* 178:111-126
- Rajpurohit, D., A Awasthi, P Paul, S Kumar, **R Kumar**, K Singh and H S Dhaliwal (2012). T3-2, T3-3, T3-4 and T3-5 (IC0587407-IC0587410 and INGR11001- INGR11004), a Paddy (*Oryza sativa* L.) Germplasm, with High Yielding Pyramid Lines of Type 3 Basmati, Two Bacterial Leaf Blight Resistance Genes and a Semi-dwarfing *Gene Indian J. Plant Genet. Resour.* 25(2): 197-198 (ISSN : 0971-8184) (NAAS – 4.61)
- Kumar, R.** and I S Singh, 2004. Genetic Control of banded leaf and sheath blight (*Rhizoctonia solani* .f. sp. *sasakii*) in maize (*Zea mays* L.). *Cereal Research Communication.* 32 (3) : 309-316.

