



Name: Vedprakash Sharma

Research Group & Mentor: Plant Molecular Breeding laboratory; Dr Shashi Bhushan Tripathi

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Research Work/Project(s):

Genome-wide association mapping for anthracnose resistance in a diverse panel of Capsicum accession

Additional Information:

Research Publications:

- 1.NIR spectroscopy prediction model for capsaicin content estimation in chilli: A rapid mining tool for trait-specific germplasm screening
- 2.Genome-wide SSR markers in bottle gourd: development, characterization, utilization in assessment of genetic diversity of National Genebank of India and synteny with other related cucurbits
- 3.Genome-wide comprehensive characterization and expression analysis of *TLP* gene family revealed its responses to hormonal and abiotic stresses in watermelon (*Citrullus lanatus*)
- 4.Molecular profiling of foxtail millet (*Setaria italica* (L.) P. Beauv) from Central Himalayan Region for genetic variability and nutritional quality
- 5.Genome-wide in silico characterization and expression analysis of Thaumatin-like gene families during drought and salinity stress in watermelon