



Dr. Bhagirath Ram

Senior Scientist
(Genetics & Plant Breeding)

- 1 Date of birth : 18-07-1972
- 2 Educational Qualification : Ph.D (Plant Breeding & Genetics), SDAU, Sardarkrushinagar (2008); M Sc Ag (PBG) RAU Bikaner (2000)
- 3 Joining Date in ICAR : 16-04-2003
- 4 Joining Date in DMR : 31-12-2010
- 5 Discipline /Specialization : Genetics and Plant Breeding
- 6 Research Experience : 11 years
- 7 Training/advance exposure : Obtained training on Recent Advances in Biometrics and Molecular Marker- Assisted Crop Breeding: Principles, Method and Applications at in the area of work IASRI, New Delhi; Seed Production Technology and Quality Control Standards in Fodder Crops at IGFR, Jhansi; MAS for White Rust at University of Delhi South Campus, New Delhi
- 8 Contribution to the Scientific advancement
 - Involved in Identifying of birdwood grass germplasm CAZRI-BH-CS-3, CAZRI-BH- CS-4, CAZRI-BH-CS-7, CAZRI-BH-CS-13, CAZRI-BH- CS-15, CAZRI-BH-CS-16, CAZRI-BH-CS-17, CAZRI-BH- CS-19; CAZRI-BH-CS-24 and marvel grass germplasm CAZRI-BH-DA-2 for arid rangeland of Gujarat
 - Identified transgressive segregants, crosses ‘RBU38’ x ‘IU8-6’, ‘RBU38’ x ‘NUL 7’ and ‘IPU 99-1’ x ‘NIC 17556’ in blackgram for higher responsiveness.
 - Screened Indian mustard genotypes BPR-543-2, BPR 549-9, RH 30 and JN 032 promising for heat stress condition at seedling stage.
- 9 Future planning of research
 - Development of mapping populations for improved heat stress tolerance of Indian mustard
 - Development of heat stress tolerant variety of Indian mustard
 - Development of white rust tolerant genotypes in rapeseed-mustard
- 10 Publications (best five)
 - **Bhagirath Ram**, Devi Dayal, S. L. Meena, Shamsudheen M, Arvind Kumar, Deepesh Machiwal and S C Vyas (2013). Morphological variability and stability for seed and forage yield of marvel grass (*Dichanthium annulatum*) under north western arid rangeland of Gujarat –India. *Indian Journal of Genetics and Plant Breeding*. **73** (3): 342-346.

- **Bhagirath Ram**, S B S Tikka and S Acharya. 2013. Heterosis and combining ability in blackgram (*Vigna mungo*) under different environments. *Indian Journal of Agricultural Sciences*. **83** (6): 611–6.
- Singh, VV, **Bhagirath Ram**, Maharaj Singh, Meena, ML and Chauhan, JS. 2014. Generation mean analysis for water stress tolerance parameters in Indian mustard [*Brassica juncea* (L.) Czern & Coss] Crosses. *SABRAO Journal of Breeding and Genetics* **46** (1): 76-80.
- **Bhagirath Ram**, S. L Meena, Devi Dayal and M Shamsudheen. 2011. Genetic variability in birdwood grass (*Cenchrus setigerus*) for forage yield and its component traits *Range Management and Agroforestry*. **32** (1): 30-32.
- **Bhagirath Ram**, S. B. S. Tikka and R K Kakani. 2010. Genetic architecture of yield and its component traits in black gram (*Vigna mungo*) grown under different environments. *Indian Journal of Agricultural Sciences*. **80** (4): 312-315.

11. Professional society membership

- Indian Society of Genetics and Plant Breeding, IARI, New Delhi
- Arid Zone Research Association of India, CAZRI Campus, Jodhpur
- Range Management Society of India, IGFRI, Jhansi, UP
- Society for Rapeseed Mustard- Research, DRMR, Sewar, Bharatpur
- Indian Society of Plant Genetic Resources, NBPGR, New Delhi
- National Environmentalists Association, Ranchi, Jharkhand