

Personal Details

Dr R. S. Meena

Senior Scientist (Plant Breeding & Genetics)

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Research Interest: Plant breeding, Breeder Seed production

M.Sc. : SKNAU, Jobner (Rajasthan)

Ph.D. : Indian Agricultural Research Institute, New Delhi

Joining date in ICAR (yyyy/mm/dd) : 2003-03-16

Google Scholar

Publications (Top 10 Publications having NAAS rating 6 and above with first or corresponding author only) :

1. R. S. Meena, P Manivel, V Bharadwaj, J Gopal (2009). Screening potato wild species for low accumulation of reducing sugars during cold storage, *Electronic Journal of Plant Breeding* 1 (1), 89-92
2. RS Mehta, BS Patel, SS Meena, R. S. Meena (2010). Influence of nitrogen, phosphorus and bio-fertilizers on growth characters and yield of fenugreek (*Trigonella foenum-graecum* L.). *Journal of Spices and Aromatic Crops* 19 (1&2), 23-28
3. R. S. Meena, M.M.Anwer, G Lal, RS Mehta, RK Kakani, A Panwar (2010). Genetic diversity analysis in fennel. *Horticulture Society of India* (cited 6 times)
4. R. S. Meena, RK Kakani, MM Anwer, P Alka (2010). Variability of some morphological characters in fennel (*Foeniculum vulgare*). *Indian Journal of Agricultural Sciences* 80 (8), 710-712 (cited 6 times)
5. R.K. Kakani, S.K. Singh, A. Pancholy, R.S. Meena, R Pathak, A Raturi (2011). Assessment of genetic diversity in *Trigonella foenum-graecum* based on nuclear ribosomal DNA, internal transcribed spacer and RAPD analysis. *Plant Molecular Biology Reporter* 29 (2), 315-323 (NAAS rating 2011= 8.49)
6. S. N. Saxena, R. K. Kakani, S. S. Rathore, R. S. Meena, M. K. Vishal, L. K. Sharma, D. Agarwal, S John, A Panwar & B Singh (2016). "Genetic variation in essential oil constituents of fennel". *Journal of Essential Oil Bearing Plants* 19 (4) : 989-999.
7. R.S. Meena, R.K. Solanki, R.K. Kakani, Balraj Singh and Alka Panwar (2017). Genetic divergence among genotypes of cumin (*Cuminum cyminum*). *Indian J. Agri. Sci.*, 87(4): 459-61.
8. Alka Panwar, Y.K. Sharma, R.S. Meena, R.K. Solanki, O.P. Aishwath, R. Singh and Sharda Choudhary (2017). "Genetic variability, association studies and genetic divergence in Indian fenugreek (*Trigonella foenum-graecum* L.) varieties" *Legume Research*. 1-6
9. R.S. Meena, G. Lal and N.K. Meena (2018). Estimates of genetic diversity for morphological and yield contributing traits in coriander genotypes. *Indian J. Hort.*, 75(3): 446-450.
10. R.S. Meena, Sharda Choudhary, A.K. Verma, N.K. Meena and S.C. Mali (2019). Estimates of genetic variability, divergence, correlation and path coefficient for morphological traits in fenugreek (*Trigonella foenum-graecum* L.) genotypes. *Legume Research*: DOI: 10.18805/LR-4090.

Patent / Technologies / Varieties / Methodologies / System etc. (Five only) :

1. **Coriander:** Ajmer Coriander-2, Ajmer, Coriander -3 (ACr-3), Ajmer Green Coriander-1 (AGCr-1)
2. **Fennel:** Ajmer Fennel-2 (AF-2), Ajmer Fennel-3 (AF-3)
3. **Fenugreek :** Ajmer Fenugreek-4 (AFg-4), Ajmer Fenugreek-5 (AFg-5)
4. **Celery:** Ajmer Celery-2 (A-Cel-2)
5. Developed DUS Test guidelines in minor and major seed spices.

No. of Students Guided: M.Sc : 08 Ph.D. : 01

Awards / Recognitions / Fellowship (Five only):

1. **Outstanding Scientist Award 2017** by International journal of Tropical Agriculture on occasion of 5th International Conference on agriculture, horticulture and plant science” held during June 24-25, 2017 at Rishikesh, U.K. India
2. **Certificate of Appreciation for outstanding work** and significant contribution in the field of Seed Spices- Plant Breeding and Genetics at ICAR-NRCSS, Ajmer.
3. **Young Scientist Award 2019** by Hi-Tech Horticulture Society Meerut (U.P.) India on occasion of 3rd Global Meet on Science and Technology for Ensuring Food and Nutritional Security (GMST-2019) held during December 1-3, 2019 at ICAR-NRCSS, Ajmer (Raj.)
4. **Honorary Fellowship Award 2019** by Hi-Tech Horticulture Society Meerut (U.P.) India on occasion of 3rd Global Meet on Science and Technology for Ensuring Food and Nutritional Security (GMST-2019) held during December 1-3, 2019 at ICAR-NRCSS, Ajmer (Raj.).
5. Joined Secretary, Indian Society of Seed Spices, Ajmer.

International exposure:

1. **Visited ICARDA, Syria:** Breeding of chickpea and lentil” at ICARDA, Aleppo, Syria organized from 25th to 7th May 2010

Ongoing research projects (institutional / external funded -as PI or CCPI):

1. Management of plant genetic resources of seed spices.
2. Breeding for high yield, quality and resistance to biotic and abiotic stress in fennel.
3. DUS testing guidelines in major and minor seed spice crops.
4. Breeding for dwarfism and *Ramularia* blight resistance /tolerance in fennel.
5. Breeding for yield and quality in celery.