

## Personal Details

### Dr Shyam Sunder Meena

Principal Scientist (Plant Breeding)

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**Research Interest:** Varietal development, Biotic stress

**M.Sc.** : Swami Keshwanand Rajasthan Agriculture University, Bikaner, Rajasthan

**Ph.D.** : G.B. Pant Univ. of Agri. & Tech., Pantnagar, Nainital, Uttarakhand

**Joining date in ICAR (yyyy/mm/dd) :** 1998-05-16

## Google Scholar

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

1. Meena, SS and RP Nagar (2019). Seasonal effects on fodder yield and quality in *Cenchrus* species under semi-arid climate. *Indian journal of Agricultural Sciences* 89 (8) 1287-92.
2. Meena, SS and RP Nagar (2018). Evaluation of neem strains and productivity of pearl millet and clusterbean under agro-forestry system in semi-arid climate. *Range Management Agroforestry* 39(1): 121-125.
3. Meena, SS and RP Nagar (2017). Analysis of genetic variability and selection for high fodder productivity in Clusterbean (*Cyamopsis tetragonoloba* L. Taub.) Under rainfed condition. *Range Management and Agroforestry* 38(1): 65-69.
4. Meena, SS and Sachan, JN (2009). Inheritance of essential fatty acids and correlation among different fatty acids in Indian mustard (*Brassica. Juncea*). *Indian Journal of Agricultural Sciences* 79 (9): 748-51.
5. Meena, SS and RP Nagar 2019. Effect of pelleting material on seedling emergence and growth parameters in *Cenchrus* species. *Range Management and Agroforestry* 40 (2): 313-317.
6. Meena, SS; Chouhan, JS and Yadava, JS (2000). Genetic variability, correlation and path analysis of Indian mustard germplasm. *Journal of Plant Genetic Resources*, 13 (2): 171-176.
7. Rajbir Yadav; Meena, SS; Singh, GP and Yadav, DK (2008). Host-insect interaction in Brassica against turnip aphid (*Lipaphis erysimi*). *Indian Journal of Agriculture Sciences*. 78(2) : 155-158.
8. Nagar RP and SS Meena (2015). Effect of physical and chemical scarification and ageing on hardseededness in *Clitoria ternatea*. *Range management and Agroforestry*. 36(1): 79-83.
9. Nagar RP and SS Meena (2015). Effect of pretreatments on seed dormancy and seedling vigour in Anjan grass (*Cenchrus ciliaris*). *Range management and Agroforestry*. 36(2): 221-224.
10. Chauhan, JS; Meena, SS; Singh, KH and Meena, ML. 2008. Effect of out crossing on quality characteristics in Indian mustard (*B. juncea*). *Indian Journal of Genetics and Plant Breeding*, 66 (4): 459-462.

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

1. **Anjan grass (*Cenchrus ciliaris*):** Bundel Anjan-4, Bundel Dhaman-1
2. **Indian mustard:** NRCDR-2, NRCHB-101, NRCDR-601
3. **Indian mustard:** Hybrid:- NRCHB-506
4. **Yellow sanrson:** NRCYS-05-02

5. **New Traits/Genes Identified and registered:** *B. napus* genetic stock NRCGS-1 for Early and dwarf traits, *B. juncea* genetic stock DRMR-2019 possessing White rust resistance, *B. juncea* genetic stock DRMR-2035 possessing White rust resistance, *B. carinata* genetic stock NRCRK-304 a bold seeded, long fruiting shot and early maturing line, *B. juncea* genetic stock BPR-541-4 possessing high water use efficiency, *B. juncea* genetic stock BPR-543-2 a *Brassica juncea* line possessing high water use efficiency

**No. of Students Guided :** M.Sc : 04 Ph.D : nil

**Awards / Recognitions / Fellowship (Five only) :**

1. Fellow of Society for Rapeseed-Mustard Research, 2017, Bharatpur (Raj).
2. Best research paper award “Nagar RP and SS Meena (2015). Effect of physical and chemical scarification and ageing on hardseededness in *Clitorea ternatea*. *Range management and Agroforestry*. 36(1): 79-83. by Range Management Society of India, IGFRI, Jhansi.
3. Best poster presentation awards in various seminars and conferences.
4. Best Team award (2018) by Director, ICAR-IGFRI, Jhansi for development of grassland on common property resource in Soda village of Malpura, Tonk (Rajasthan).
5. Appreciation letter awarded (2003) by Director ICAR-DRMR for designing and development of LOGO for the ICAR-DRMR, Bharatpur.

**International exposure:**

1. **Visited UK** for Training on Marker Assisted Selection in crop plants at IBERS, Walsh, UK during 26 May to 24 Sep. 2010.

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

- 1.
- 2.