



**Name:** Dr. Neha Sharma  
**Designation:** Assistant Professor  
**Department:** Genetics & Plant Breeding  
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**Field of Specialization and Research interest:**

1. Maize breeding for field and specialty corn  
 2. Barley breeding for food and fodder

**Educational Qualification: Ph.D. (Genetics & Plant Breeding)**

**Employment Record**

| Designation         | Nature of work         | Organization              | Professional experience  |
|---------------------|------------------------|---------------------------|--------------------------|
| Assistant Professor | Teaching and Research  | DAV University, Jalandhar | 6 months                 |
| Assistant Professor | Teaching and Research  | Dr YS Parmar UHF, Thunag  | 11 months                |
| Assistant Professor | Research and Extension | CSK HPKV Palampur         | December 2021- till date |

**Research Projects handled**

- As PI -**  
**As Co-PI**  
 1. Transcriptional hierarchies in pre-meiotic to meiotic transition in maize germline  
 2. Development of medium and early maturing single cross hybrids and composites for different types of maize (AICRP Maize)  
 3. Development of suitable Barley varieties through suitable crop improvement methods for northern hills including Himachal Pradesh (AICRP Wheat & Barley)

**Research Publications:** Total publications published in journals: 5

**Five best publications in last 5 years**

1. **Sharma Neha** , Mittal RK and Sood VK. 2022. Genetic component and Vr-Wr graphical analysis in Blackgram [*Vigna mungo* (L.) Hepper]. *Legume Research*. 45: 1490-1495
2. Kishore Naval, Katna G and **Sharma Neha**. 2023. Genetic variability and association among various traits in chickpea (*Cicer arietinum*) mutants. *Himachal Journal of Agricultural Research* 49(1):44-50
3. Dhiman M.R., Thakur N., Gupta Y.C., **Sharma N.** (2022). *Gladiolus*. In: Datta S.K., Gupta Y.C. (eds) *Floriculture and Ornamental Plants. Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources*. Springer, Singapore. [https://doi.org/10.1007/978-981-15-1554-5\\_5-1](https://doi.org/10.1007/978-981-15-1554-5_5-1)
4. **Sharma Neha** and Sharma Himani. Genome editing in grain and fodder legumes: Current status and opportunities. In: *Genome editing for Crop Improvement*. NOVA Science Publisher, New York, USA.
5. Gopinath Ikkurti, Hossain Firoz, Thambiyannan Selvakumar, **Sharma Neha**, et al. 2024. Unraveling popping quality through insights on kernel physical, agro-morphological, and quality traits of diverse popcorn inbreds from indigenous and exotic germplasm. *Food research International*. (FOODRES-D-24-01991R1)

**Books published/Books Chapters/Manuals (Teaching/Trainings)**

Book Chapter= ; Manuals= ;  
 Articles in Souvenir=

**Conference/Seminar/Symposium papers**

2

**Extension activity including Popular articles/pamphlets/leaflets**

1 booklet (Himachal Pradesh Main Gehun Vah Jau Ki Unnat Kheti)

**Students Guided**

**PG (as advisor)= 2 (Continuing)**  
**Ph.D. (as Co -advisor) = 2 (Continuing)**