

## Mohit Jain

Department of Plant and Soil Science  
Davis College of Agricultural Sciences and Natural Resources  
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### EDUCATION

*Ph.D. in Plant Breeding, Genetics and Genomics*

August 2024 – present

Texas Tech University, Lubbock, Texas, USA

*Master of Science in Plant Breeding and Genetics*

Punjab Agricultural University, Ludhiana (Punjab) (141 001); February 2020- October 2022

GPA: **3.7 (7.63/10)**

**Thesis:** Identification of SSR markers associated with Plant Architectural Traits in Cowpea (*Vigna unguiculata* L. walp)

*Bachelor of Science in Agriculture*

Punjabi University, Patiala (Punjab) (147 002); August 2014-May 2018

GPA: **3.6 (74.53%)**

### WORK EXPERIENCE

September 2024 – Present

*Graduate Research Assistant*

Department of Plant and Soil Science

Texas Tech University,

Lubbock, Texas 79409, USA

February 2023 – May 2024

*Project Associate*

Department of Plant Breeding and Genetics

Punjab Agricultural University,

Ludhiana, Punjab, India (141 001)

September 2022 - February 2023

*Assistant Professor*

Agriculture Department

GSSDGS Khalsa College,

Patiala, Punjab, India (147 001)

### TEACHING EXPERIENCE

Code No.	Credit hours		Description
	Theory	Practical	
PBG -212	2	1	Fundamentals of Plant Breeding
ENV-217	4	0	Environmental and Road Safety Awareness
PBG-315	2	1	Crop Improvement-I ( <i>Kharif</i> )

GIS-317	2	1	Geo-informatics and Nanotechnology and Precision Farming
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### **AWARD AND SCHOLARSHIP**

2024-2025	<i>Dr. Harlan Thorvilson Scholarship Endowment Fellowship</i> , Texas Tech University
2024-2025	<i>Distinguished Graduate Student Award (DGSA)</i> , Texas Tech University

### **SCIENTIFIC AND TECHNICAL PUBLICATIONS**

1. Gudi S, **Jain M**, Singh S, Kaur S, Srivastava P, Mavi G. S., Chhuneja P, Sohu V. S., Safhi F. A., Abd El-Moneim D. and Sharma A. (2024) Stress adaptive plasticity from *Aegilops tauschii* introgression lines improves drought and heat stress tolerance in bread wheat (*Triticum aestivum* L.) *PeerJ* **12**: e17528
2. **Jain, M.**, Singh, D. P., Sharma, P. and Goyal, M. (2024) Genetic analysis and identification of Linked SSR markers for erectness in forage cowpea (*Vigna unguiculata* L. Walp). *Legume Research*. **1**:1-8
3. Singh, D. P., **Jain, M.** and Goyal, M. (2023) Genetic divergence studies of fodder yield and quality attributing characteristics in promising maize (L.) composites. *Range Management and Agroforestry* **44**(2): 269-277
4. Singh, D. P., **Jain, M.** and Goyal, M. (2022) Assessment of variability and association analysis for forage traits in Cowpea. *Forage Research* **48**(3): 315:319
5. **Jain, M.**, Singh, D. P. and Goyal, M. (2022) Generation mean analysis for quality traits in fodder cowpea (*Vigna unguiculata* L. Walp). *Forage Research* **48**(1): 46-49.

### **ABSTRACTS/TALKS**

1. Kumar, P.A., Boparai, A.K., **Jain, M.**, Kapoor, T., Bala, R., Srivastava, P., Kaur, J., and Sharma, A. Molecular marker assisted development of biotic stress resistance in wheat varieties (*Triticum aestivum* L.). 2<sup>nd</sup> International Conference on Plant Physiology and Biotechnology (ICPPB-2023). LPU, Jalandhar, PB. April 20-21, 2023

### **STANDARDIZED TEST SCORES**

Test of English as a Foreign Language (TOEFL iBT Test): **97**

Test date: December 05, 2022

<b>Reading</b>	<b>Listening</b>	<b>Speaking</b>	<b>Writing</b>
23	28	22	24

### **WORKSHOPS AND TRAININGS**

1. Workshop held on May 11, 2022 on “Genome Editing in Agriculture: Science, Potential and Policies” organized by Punjab Agricultural University, Ludhiana jointly with National Agri-Food Biotechnology Institute, Mohali and Biotech Consortium India Limited, New Delhi
2. Participated in Plant Breeding Webinar on “Genomics-assisted Breeding in Groundnut” by Dr Ramesh S Bhat, Professor Dept of Biotechnology, UAS, Dharwad, on June 11, 2022. Webinar was organized by Foundation for Advanced Training in Plant Breeding (ATPBR)

3. Attended the Webinar on the topic “Tissue culture of Perennial fruit/cash crops: Significance, Best Practices, and Way Forward” held on June 30, 2022, organized by APAARI, BCIL and APCoAB.
4. Participated in IP Awareness/training program under “National Intellectual Property Awareness Mission” on July 08, 2022 organized by Intellectual Property Office, India.
5. Participated in “International Training on Theoretical and Practical Aspects of Genomic Approaches for Utilization of Crop Genetic Resources” organized by BISA-CIMMYT & ICAR-NBPGR from 28 March 2023 to 31 March 2023 at BISA, Ludhiana, India