



**Name:** Laxmi Awasthi

**Research Group & Mentor:** Plant developmental Biology group; Dr. Anandita Singh

**Research Work/Project(s):**

Identification and characterization of novel defense related genes and miRNAs: Deciphering molecular mechanisms underlying *Alternaria* blight disease resistance in *Brassica juncea*.

**Fellowship Holder/ Designation:**

Young professional-II at ICAR- National Institute For Plant Biotechnology (NIPB)

**Additional Information:**

**Research publication:**

**Book Chapter**

□ Deepak Kumar, Aishwarya Sharma, **Laxmi Awasthi**, Himanshi Singh, Pankaj Kumar, Pranchal Rajput, Aashna Sinha, Kundan Kumar Chaubay , Anil Kumar , Nishant Rai, and Rakesh Kumar Bachheti. Recent Development and Importance of Nanoparticles in Disinfection and Pathogen Control. In “Nanomaterials for Environmental and Agricultural Sectors”. Springer. Pp 83-106

**Abstract**

□ **Laxmi Awasthi**, Samridhi Mehta, Ankita, Rakhi Tomar, Mahesh Rao, RC Bhattachrya, Ashish Kumar Gupta. Deciphering white rust disease (*Albugo candida*) resistance in Brassica spp Pp 145. In 5th National Brassica Conference on “Oilseed Brassicas for Sustainability, Profitability and Nutritional Security”, organized by SRMR Bharatpur held at RARI, Durgapur, Jaipur, 2024

□ Samridhi Mehta, Ankita, Rakhi Tomar, **Laxmi Awasthi**, Mahesh Rao, Prashant Singh, RC Bhattachrya, Ashish Kumar Gupta. Unveiling Genes responsible for White Rust Disease Resistance in Indian mustard (*Brassica juncea* L) Pp 101. In 5th National Brassica Conference on “Oilseed Brassicas for Sustainability, Profitability and Nutritional Security”, organized by SRMR Bharatpur held at RARI, Durgapur, Jaipur, 2024

□ Ankita, Samridhi Mehta, Rakhi Tomar, **Laxmi Awasthi**, Mahesh Rao, Jamil Akhtar, R. C. Bhattacharya and Ashish Kumar. Identification of novel broad range host resistance against multiple isolates of *Albugo candida* causing white rust disease in *Brassica juncea* (L.). Pp- 68. National Symposium on Seed Health and Disease Management for Agricultural Biosecurity & Annual Zonal (IPS - Delhi Zone) Meeting, 2024.