NAME: DR. DEEPIKA PANDITA
Address: #109 Koil Pulwama Jammu & Kashmir- 192301.
Email: riyapandita11@gmail.com
Contact no: 6006902805 / 7006154652

Career Objective

Seeking quality working environment in an esteemed organization where my skills will get further enhanced so that, I can contribute positively in the field of my specialization. .

Education Qualification

Year	Course	Institute/College	University/Board	%age marks/ OGPA
2023	Ph. D. Biotechnology	SKUAST-Kashmir	SKUAST-Kashmir	8.41/10 (OGPA)
2017	M.Sc. Biotechnology	SKUAST-Kashmir	SKUAST-Kashmir	7.78/10 (OGPA)
2014	B.Sc. (Hons.) Biotechnology	SKUAST-Jammu	SKUAST-Jammu	6.95 /10 (OGPA)
2009	12th	Govt. Girls. Higher Secondary Pulwama	J&K Board	61.33%
2007	10th	A.P.H.S	J&K Board	75.8%

Publications

1	Shabir Wani H, Arpit Gaur, Asif Shikari B, Asif Qureshi M I, **Deepika Pandita** 2015. Transgenic Rice: Advancements and Achievements. *Advancements in Genetic Engineering* 4:133.
2	Arpit Gaur, Shabir Wani H, **Deepika Pandita**, Neha Bharti, Ashok Malav, Asif Shikari B and Ashraf Bhat M, 2016. Understanding the Fragrance in Rice. *Journal of Rice Research* 4:e125.
3	**Deepika Pandita**, M Ashraf Bhat, Saba Mir, Nayeema Jabeen, Ali Anwar, Khursheed Hussain, Niyaz A Dar, Shahid Qayoom Dar and M Younus Wani, 2018. Screening of traditional chilli cultivars of Kashmir for *Fusarium* wilt resistance. *International Journal of Chemical Studies* 7(1): 1501-1503.
4	Saba Mir, M Ashraf Bhat, **Deepika Pandita**, Haleema Ashraf, Niyaz A Dar and M Younus Wani, 2018. Genetic divergence and association study for grain yield in rice (*Oryza sativa* L.) genotypes. *International Journal of Chemical Studies* 7(1): 1504-1511.
5	**Deepika Pandita**, Reetika Mahajan, Sajad Majeed Zargar, Firdous A Nehvi, Bhagyashree Dhekale, Fouzia Shafi, Mehraj Ul Din Shah, Najeeb Ul Rehman Sofi, Amjad M. Husaini 2023. Trait specific marker-based characterization and population structure analysis in rice (*Oryza sativa* L.) germplasm of Kashmir Himalayas. *Molecular Biology Reports* 50:4155-4163.
6	**Deepika Pandita**, Immad A Shah, Mudasir A Mir, Najeeb Ul Rehman Sofi, Abdel Rahman AI Tawaha, Amjad M. Husaini 2024. Nutritional profiles and fertilizer responsiveness of cold-adapted rice germplasm of Kashmir Himalayan region: creating a high-value germplasm repository for smart-breeding biofortified rice. Journal of Crop Science and Biotechnology DOI: 10.1007/s12892-024-00260-5.
7	Husaini, A. M., **Pandita, D**., Wani, A. B., & Kearns, H. (2021). Cold tolerant temperate rice varieties for hills and valley of Kashmir: accomplishments and the way forward. *Oryza sativa: Production, cultivation and uses. Nova Science Publishers, New York, USA*, 145-172.
8	Arpit Gaur, **Deepika Pandita,** Shabir H Wani, Asif B Shikari and M Ashraf Bhat 2016. Aroma, Starch and Shape of Rice Grain: A Molecular Prospective. *Genetics and Molecular Biology in Crop Improvement.* Aavishkar Publishers, Distributors, Jaipur.

S. No.	Seminars/Workshops/Conferences/Trainings
1	Have attended a National conference on ***"Emerging Trends in Medical Biotechnology and Nanotechnology"*** at ARNI UNIVERSITY H.P.

2	Have presented a poster in the National Seminar on ***"Saffron Production and Promotion"*** held at SKUAST-K, J&K.
3	Have presented a poster in ESW3rd International Research Conference on ***"Eco-Tourism & Environment"*** held at SKUAST-K, J&K.
4	Have attended an International conference on ***"Recent Trends in Bioinformatics and Biotechnology for Sustainable Development"*** held at SKUAST-J, J&K.
5	Have attended Two Days State Level Seminar on ***"Awareness, Motivation & Technology Transfer for Development of Scientific Beekeeping in Jammu and Kashmir"*** organized by SKUAST-K, J&K.
6	Have attended Seven Days within the State Training on ***"Scientific Beekeeping for the Farmers/Beekeepers of Kashmir"*** (J&K).
7	Have attended one day workshop on ***"Identification of Pure Saffron using Foldscope - A Novel Instrument for Low Cost Microscopy"*** organized jointly by The Department of Biotechnology and Genome Engineering & Societal Biotechnology Lab, SKUAST-K held at GDC Baramulla.
8	Have attended Ten Days Skill Development Training on **"*In-vitro Production of Saffron Cormlets*"** organized by Genome Engineering & Societal Biotechnology Lab Division of Plant Biotechnology, Faculty of Horticulture under NMHS sponsored project.

Technical Skills

- **Molecular biology**: DNA isolation, agarose gel electrophoresis, PCR, DNA Finger printing, Restriction digestion of DNA, Blotting techniques.
- **Tissue culture**: Micropropogation, callus culture, meristem culture.
- **Instrumentation:** PCR, High Performance Liquid Chromatography (HPLC),Gas Liquid Chromatography (GLC), Centrifuge, Laminar air flow, UV –VISIBLE Spectrophotometer, Atomic Absorption Spectroscopy (AAS),Gel Documentation System, Electrophoretic unit (agarose and PAGE), PH METER.
- **Bioinformatics** : BLAST, Multiple Sequence Alignment ,Data submission and retrieval, phylogenetic analysis, protein structure analysis., SEQUIN,BANK IT, MEGA, FASTA,CLUSTAL W, Cloud computing.
- **Industrial and food technology:** Fermenters, DRYERS (baffle, in freeze dryers), dehydration techniques, enzyme immobilization.

Research Domains in B.Sc., M.Sc. & Ph. D.

- **Standardization of technique for *in vitro* multiplication of peppermint (*Mentha piperita* L.)**
- **Identification and Molecular Characterization of Genotypes of Chilli (*Capsicum annuum* L.) Showing Resistance Against *Fusarium Wilt***
- **Studies on Molecular and Biochemical characterization of Rice (*Oryza sativa* L.) germplasm of Kashmir Himalayas**

Computer Proficiency

- Basic Knowledge of Microsoft Office- Word, Excel, Power point.
- Basic Internet knowledge.

Personal Traits

- Confidence
- Sincerity
- Positive approach towards all situations
- Interactive with people
- Honesty
- Powerful motivator and instructor

Personal Bio-data

- Name — Dr. Deepika Pandita
- Father's Name — Dilip Kumar Pandit
- Date of birth — 12-02-1993
- Nationality — Indian
- Sex — Female
- Religion — Hindu
- Marital status — Married
- Permanent address — Koil Pulwama, Jammu and Kashmir, India , Pincode 192301

DECLARATION:-

I, hereby declare that the information furnished above is true to the best of my knowledge.

Place: Kashmir (J&K) **Dr. Deepika Pandita**