

## CURRICULUM VITAE

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### **Dr. NARINDER PANOTRA, Ph.D.**

Associate Professor (Agronomy)

Institute of Biotechnology

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### **SUMMARY**

- Research experience in Crop Production, weed management, Organic sources of nutrients and Organic farming and Biochemical analysis
- Administrative Experience as Incharge of Museum at SKUAST-Kashmir for three years, Incharge of Product & Variety Testing for nearly six years and one year as Incharge of Project Monitoring and Evaluation at Directorate of Research, SKUAST-Jammu
- Project grants handled on Organic Farming, System of Crop Intensification, Transplanted wheat, Cropping Systems etc.

### **Research**

- System of Crop Intensification under organic farming (SRI, SWI & SMI)
- Organic Basmati rice (*Oryza sativa* L.) based cropping systems
- Transplanting ecosystem of wheat crop under organic conditions
- Organic Sources of nutrients, organic farming and soil health management.
- Organic weed management practices
- Standardized of black wheat cultivation
- Evaluation of barley (*Hordeum vulgare* L.) cultivars
- Entrepreneurship development in organic farming
- Round the year fodder production
- Utilization of congress grass (*Parthenium hysterophorus* L.) and Bhang (*Cannabis Sativa*) for soil fertility enhancement
- Biochemical analysis of different crops

### **Teaching Experience**

**Course work:** Teaching Agronomy/Organic Farming/Biodiversity/ Plant Tissue Culture to Undergraduate and Post graduate students

**Student Guided:** **01** M. Sc as Major Advisor and **15** M.Sc. & **01** Ph.D as Co-advisor

### **SALIENT ACHIEVEMENTS**

- 1. Work experience:** Total 15 years SAU experience i.e. presently serving as Associate Professor in Institute of Biotechnology, SKUAST-Jammu, and Served at Directorate of Extension, SKUAST-Kashmir for 04 years and 09 years at Research Station/Directorate of Research, SKUAST-Jammu.
- 2. Project handled:** **27** External funding projects & **26** University funded projects as PI/Co-PI
- 3. Publication:** **84** research papers in referred National Journal/ International Journal, **09** Books and **14** Book chapters etc.
- 4. Training Organized:** **01** Winter School, **03** Model training Courses, **26** training programmes and **36** farmers exposure meets.
- 5. Foreign Visit:** Total **04** countries i.e. Malaysia, Thailand, Nepal & Indonesia
- 6. Funds Attracted:** **4.80** crore approx. for testing of Product and Varieties from Private companies.
- 7. Patent:** Bal Veer Singh, N. S. Rana, Priya Srivastava, **Narinder Panotra**, C. L. Maurya, Durga Prasad, Hiren Das and Samikhya Bhuyan 2023 Microwave Sensor Based Soil Analyzer Design No. : 396137-001 dated 26/09/2023

8. **Variety:** Contributed in the development and release of **03** varieties of different crops namely Jammu Basmati 138 (Rice), SJPC-1 (Maize) and JAUM0936 (Moong)
9. **Linkages Developed:** With line departments, Private companies for testing of products, Farmers etc
10. **Awards: 05** Awards i.e. Young Scientist Award, Best Paper Award, Best Poster Award and Appreciation award etc
11. **Others:**
  - Committee Member, At state level (01) J&K organic certification programme, Agriculture Production Department, J&K
  - Technical Expert, Jammu and Kashmir Organic Certification Agency of Jammu (JKOCA provides service for certification and inspection of agricultural products in Jammu region)
  - Committee Member, Board of Studies, SKUAST-Jammu
  - Committee Member, Project Monitoring and Evaluation Cell of the University under Directorate of Research, SKUAST-Jammu for monitoring of Projects/research programs

## 12. MAJOR ACHIEVEMENTS:

### *(In SKUAST-Kashmir)*

- Contributed in establishment of **04** no. of Krishi Vigyan Kendras viz. KVK Budgam, KVK Anantnag, KVK Nyoma (Leh) and KVK Shopian at SKUAST-Kashmir
- Instrumental in the design and development of Mobile Diagnostics Van of the Directorate of Extension, SKUAST-Kashmir
- During my tenure as Museum In-charge, I have undertaken major renovation and up gradation of the Museum which is an important asset of the University
- Special assignment as Course Coordinator for Post Graduate Diploma in Agricultural Extension Management (MANAGE, Hyderabad) conducted by SAMETI-Kashmir during 2012-13 and 2013-14

### *(In SKUAST-Jammu)*

- Functioning of Directorate of Research was streamlined by new initiatives through creation of the units such as Project Monitoring and Evaluation (PME) Cell with sole focus to monitor external funding of research projects.
- Established Product and Variety Testing Cell as Incharge at Directorate of Research, SKUAST-Jammu
- Instrumental in facilitating the establishment of the Centre for Organic & Natural Farming and Division as a major vertical.
- Contributed in establishment of **02** Krishi Vigyan Kendras viz. KVK Ramban and KVK Kishtwar, as well as in identification of land and other activities related to setting up of KVKs at Udhampur and Basoli.
- Established 14 Acre Organic Research Farm at SKUAST-Jammu
- As an organic scientist, worked extensively across the entire value chain of organic agriculture management, including organizing capacity building programs for farmers and officials, working in organic adoption and certification projects at the regional level.
- Standardization of protocols for nutrients and weed management under organic farming.
- Disseminated different agro-technologies through Radio and TV talks, Lectures in farmer fields etc
- Organized several mega events like Zonal workshop, Apple Conference, Maize conference, Organic workshop, pulses day, Science day, Basmati day, several national/International conferences and symposia etc.