



## **Dr. Shanthala J., Professor**

### **A. Teaching**

#### **UG Courses**

1. GPB121 Fundamentals of Cytogenetics (1+1)
2. GPB 311 Crop Breeding: (1+1)
3. GPB 321 Intellectual Property Rights (1+0)

#### **MSc courses**

1. GPB 505 Mutagenesis and Mutation Breeding (2+0)
2. PGS 503 (E-Course ) Intellectual Property Rights & its Management in Agriculture (1+0)

#### **PhD courses**

1. GPB 615 Contemporary plant Breeding Methodologies (2+0)

- **Teaching Experience of both UG and PG : 25 years**
- **Post Graduate Research guidance : Both Ph.D and M.Sc. Students**  
Serving as **Chairperson of Advisory Committee** : Ph.D. : 2  
M.Sc. : 10
- as well as **Member of Advisory Committee** Ph.D. : 2  
M.Sc. : 6
- **Resourcefully serving as Subject Expert Specialist with respect to Intellectual Property Rights and Bio safety issues.**
- Serving As **External Examiner** For UG/PG Examinations of various Universities of different States.
- **Serving as Student Counselor**

### **B. Research :**

**Research Area of specialization/interest:** Groundnut, Green Gram, Horse gram, Urd Bean, French Beans and, Tomato.

- **TECHNOLOGIES DEVELOPED:** The Technology in hybrid paddy seeds KRH-2: Hybrid purity confirmation in hybrid paddy – KRH-2. Through the use of SSR Markers.
- **Restructuring Breeding programmes through Enhancement, improvement and development** through Molecular marker analysis in Germplasm accessions and utilizing recombinant inbred lines (RILs) of different crop species. Breeding for Productivity traits, coupled with high water use efficiency, resistance to disease *viz.*, Late Leaf Spot and Early Leaf spot, powdery mildew disease, resistance to insect : bruchid infestation.

**C. Publications :**

- i. Published Research Articles in Selected Peer Reviewed Journals with high NAAS rating : 15.
- ii. Published Book Chapters in Reputed publications: Springer Link: 3

**D. Awards**

❖ **Recipient of GRABS Best Researcher Award** : 2019, awarded by GRABS Educational Charitable Trust, Chennai-600 114, Tamil Nadu, India.

E. **Expert External member for scrutiny** of External project proposals submitted for UGC grant of project proposals and other institutes.

**F. Research Projects Handled as Principal Investigator and Co-Principal Investigator.**

**As Principal Investigator : 18**

**Co-Principal Investigator : 10**

**G. Trainings Conducted : Served as Training Coordinator** for the training programme conducted at National Seed Project, NSP, UAS (B) for Farmers : 9

**H. Projects Handled : From Directorate of Research, University of Agricultural Sciences, Bangalore : 1**

**I. Resource Generation/consultancy/Testing of Varieties : Both Conventional and Molecular Testing Methodology for both Public and**

**private seed companies of various hybrids and varieties of crop species.**

J. **International Exposure:**International training/courses/seminars:**2 Nos.**

K. **Participated In Special Trainings/ Organizing :** Symposia/ Workshops/  
Conferences: **8 Nos.**