

PROFILE

Name	Dr. Bhagwati Charan Sharma
Designation	Professor & Head, Agronomy
Date of Birth	04.10.1961
Date of joining University	16.03.1985
Professional experience	33 yrs.
Membership of Professional Societies	06

Qualification

Degree	OGPA	Marks	Division
B.Sc. in Agriculture	-	66 %	Ist
M.Sc., Agronomy	3.77/ 4.00	85.4%	Ist
Ph.D (Agronomy)	3.83/ 4.00	86.6%	Ist

Specific achievements in Research/Teaching/Extension:

A. Research:

Project Handled: 15		Involvement	
Externally Funded	03	PI = 01	Associated Scientist = 02
University Funded	12	PI = 05	Associated Scientist = 07

Which have found place in University package (technologies generated /standardized)

- Standardized the optimum sowing time and nitrogen requirement of gobi sarson (*Brassica napus*) for the rainfed areas of Jammu Division.
- Identified productive, economical and sustainable rice based cropping systems as an alternative to the existing rice-wheat systems of the sub-tropical belt of Jammu.
- Identified the herbicides and their optimum concentrations for the control of *Saccharum*, *Lantana* and *Parthenium* from grazing lands.
- Worked out the possibilities of introduction of winter maize in Jammu and identified the ideal cultivars of winter maize and their optimum time of sowing in irrigated subtropics of Jammu
- Worked out the Agronomy of 3 newly released cultivars of oilseeds (Torja RSPT-2, Raya RSPR-03 and RSPN-25) crops for Jammu region.
- Penoxulam applied @22.5 g/ha 10 days after transplanting and Bispyrebac@ 30gms/ha 30 days after transplanting can be recommended the farmers as new herbicide molecules by adding to the already recommended list of herbicides in controlling weeds in rice

B. Teaching:

Associated with UG and PG teaching since last 17 years from 2001 onwards and establishment of weed museum cum weed control laboratory in the division.

Students guided/guiding: 42

Degree	No. of students	As Major Advisor		As Co-advisor	
		Guided	Guiding	Guided	Guiding
M.Sc.	25	04	Nil	14	07
Ph.D	17	04	03	06	04

National Level Trainings organized:-

Duration	Sponsored by	Involvement
21 days WINTER SCHOOL	CSIR	Course Co-ordinator
21 days WINTER SCHOOL	ICAR	Course Co-Director

Participation in National Level trainings/ conferences:

Trainings attended	08 (including three 21 days duration)
Participation in Conferences/Symposium	05

Publications: 129

Research Publications	61
Popular articles	04
Lead Papers	02
Edited Books	02
Edited compendium(National level trainings)	03
Book Chapters	11
Manuals	06
Chapters in Compendium's of different trainings	25
Technical Bulletins	10
Division at a Glance – A Report	01
Technical Reports	05

Significant contributions in Teaching, Research and Extension

a. Teaching

1. Designing of course curriculum:

Remained involved in designing of various course curriculums at UG/PG levels of the discipline of Agronomy.

2. Innovation in teaching methods:

Teaching through use of IT-aids, multimedia and field trip techniques with the aim of giving students the basic-concept of various topics under study.

3. Weed museum cum weed control laboratory:

Established and further strengthened Weed museum cum weed control laboratory in the division of Agronomy in order to provide ever ready and illustrative identification of various weeds infesting field crops for keeping the teachers and students updated in respect of any new development in weeds and their management

4. Divisional Library:

Established library in the division which is of great help to the students and teachers of the division.

b. Research

1. Integrated management strategies for rejuvenation of river bed pastures in sub-tropical foot-hill and forest pastures in mid-hill conditions degraded by obnoxious weeds viz; *Lantana camara* (Panch fulli), *Parthenium hysterophorus* (Congress grass) and *Saccharum spontaneum / munjo* (Kans/Kai) have been worked out and recommended to various line departments. The technology generated/ standardized has been greatly admired by the line departments who have commended the efforts of the scientists through their DO letter addressed to University authorities.

2. Rice-berseem for fodder & seed production, Rice-potato-wheat, Rice-ghobisarson-greengram, Rice – wheat - mix fodder (Maize + cowpea + jowar) and Rice – wheat - green manure (*Dhaincha*) have been identified as

economically viable and sustainable alternatives to the existing rice-wheat cropping system for irrigated sub-tropical belt of Jammu and Kashmir.

3. Two cultivars of winter maize *viz*; Bulland & Sheetal have been identified and their optimum time of planting, nutritional requirements and weed control strategies have been worked out. This crop may prove as an alternative to the existing cereal crop in sub-tropical irrigated belt of Jammu and Kashmir under changing climate scenario.
4. **Ice-breaking technology:** Dual cropping in temperate hills of Jammu with the introduction of oilseed crop during fall followed by the new high yielding super-composite-1 sown as normal kharif maize crop.

c. Extension:

Remained resource person/ coordinator of T&V in four districts of Jammu region for about 10 years. Started E- kiosks facility in KVK rajouri for the benefit of farmers

Awards:-

- **Best Teacher Award** by Society for scientific development in agriculture and technology in **GRISAAS-2015** during 12-13 Dec., 2015 at Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (MP).
- **Innovative team Award to Dr. B C Sharma Profesor & Head, Agronomy** by Society for integrated development of Agriculture, Veterinary and Ecological Sciences in the National Conference held at SKUAST-Jammu from 08-10-2018

Dr. B C Sharma