

Department of Genetics and Plant Breeding

Shri Murli Manohar Town P.G. College Ballia, U.P.

(Affiliated to Jananayak Chandrashekhar University, Ballia)

1. About

The department of Genetics and Plant Breeding was established in the year 1958. The PG courses in the department of Genetics and Plant Breeding was started from 1972. The department is enriched with highly educated professors, associate and assistant professors. At present, there are total three professors and one associate professor in the department. Dr MP Srivastava, Ex Head who retired a couple of years ago, but is still active as a researcher has done remarkable work on Deep water variety of Rice and makhana and has conducted two projects. Dr Samarjeet Singh, the present head of the department is an Agriculture Statistician.



2. List of faculties

Dr. Om Prakash Singh

Qualification M.Sc. (Ag), Ph.D.
Designation Professor
Contact 9453471268
Email Id opsingh3007@gmail.com
Specialisation and area of research Plant Breeding and Seed Technology
Research Papers – 13; Seminars/ Conferences- 04; Books/Book Chapters- 01



Dr. Brijesh Singh

Qualification M.Sc. (Ag), Ph.D.
Designation Professor, Genetics and Plant Breeding
Contact 7355004625
Email Id brijeshgpb@yahoo.com
Specialisation and area of research Breeding field crops and vegetable crops
Research Papers – 27; Seminars/ Conferences- 36; Books/Book Chapters- 01/04



Dr. Vijaya Nand Pathak

Qualification M.Sc. (Ag), NET, Ph.D.
Designation Associate Professor
Contact 9450679914
Email Id vijayanand.pathak76@gmail.com
Specialisation and area of research Hybrid seed production on rice
Research Papers –41; Seminars/ Conferences- 18; Books/Book Chapters- 04/07
Awards/Recognition/honours -04



3. List of Ex- Faculties:

- I. Dr. Babban Singh (1958 – 1995)
- II. Shri. Manoj Prasad Tripathi (1963 – 2007)
- III. Dr. Mangla Prasad Srivastava (1963 – 2006)
- IV. Dr. Heera Lal (1982 – 1998)
- V. Dr. Samarjeet Singh (1973 – 2013)

4. Student Profile:

Though the students who seek admission in this institution come mostly from economically and socially backward segments of the society, yet their performance is appreciable. Our students are doing well in different walks of life after completing their studies from this institution.

5. Change in Courses:

In 1990, the department has adopted a new syllabi of four years degree course as recommended by UGC. At PG level the syllabus has been revised in 2005.

6. Success rate and drop-out rate:

The department has showed a good trend in success rate of students. The success rate of UG students is more than 60%. In case of PG students, it is more than 93%. The drop-out rate is almost negligible.

7. Learning Resources of the department:

The department is equipped with following resources for our students-

A. Library: For UG students, there is a central library. But for PG and research students, there is a departmental library with sufficient (about >200) books and journals.

B. Laboratory: There is a laboratory for UG and PG students equipped with facilities like microscopes, electronic balances, centrifuges, pH meter etc.

C. Other Resources: Department has a good collection of charts and models.

9. Modern teaching methods:

Apart from normal blackboard teaching we also use slide and overhead projectors. Seminar and group discussions among students are also encouraged. Students are made to learn by experimentation. PG students are assigned dissertation work as a part of their curriculum.

10. Academic and personal Counseling:

The faculty members take keen interest in providing academic and personal counseling to students.

11. Faculty development programmes:

The faculty members have completed the required number of orientation and refresher courses. Dr OP Singh has also done a short-term course at IIVR

Participation in academic activities:

Teaching- The faculty members are regularly involved in teaching (theory and practical) of both UG and PG classes. Each faculty takes about 24 periods per week.

Research- Some faculty members are actively involved in research also. Their research profiles are mentioned above.

Other Academic Activities- The head of this department, Dr V K Singh and Dr O.P.Singh have worked as member of RDC and Board of studies of Purvanchal University Jaunpur. All other members are actively involved in different college activities like admission, examination, University flying squad, proctorship, etc.

12. Collaboration with other departments and institutions: None

13. Priority Areas of Research, Ongoing Projects and Publications of last two years

Dr Brijesh Singh

Priority area of research- Crop Breeding

Current publications-

1. Singh B and Singh Rajesh, 2007. Heritability, genetic advance and correlation studies of floral traits influencing crossing in rice. National Symposium on Research Priorities and Strategies in Rice Production system for second green revolution. CRRI, Cuttack, Orissa
2. Singh P and Singh B. (2004). Genetic architecture of green pod yield and its components in table pea. International seminar on recent trend in Hitech Horticulture in post-harvest technology held at C.S.Azad Univ of Agri. And Tech. Kanpur Pg 32

Dr Vijaya Nand Pathak

Priority area of research

Dr Pathak has worked on Hybrid rice and has identified Row Ratio for enhancing seed production in Hybrid variety-NDRH-2.

Other Research/Academic experience-

- i. Worked as Research Associate in CURE project funded by IRRI, Phillipines.
- ii. Worked as Asist. Professor in the department of Vegetable Science, NDUAT, Faizabad

14. Placement record- Our students have been occupying good positions in different walks of life after completing their study. Our placement record is about 80%.

15. Plan of action of the department for the next five years:

We plan to develop a Biotechnology laboratory and advance teaching learning tools for our PG students.