

# PG Department of Genetics and Plant Breeding

## DEPARTMENTAL PROFILE FOR ACCREDITATION BY NAAC







**S. M. M.TOWN PG COLLEGE, BALLIA  
M.G.KASHIVIDYAPEETH, VARANASI**

# PG Department of Genetics and Plant Breeding

## 1. Faculty Profile –

### Our faculty

Name and Designation		Area of Research and Specialization
	<b>Dr Virendra Kumar Singh</b> M.Sc.(Ag.), Ph.D. Associate Professor and Principal	Crop Breeding Published -04 Research Papers Guided – M.Sc.(Ag.) Thesis Ph.D. Thesis Participated Seminar and Symposia-
	<b>Dr. Om Prakash Singh</b> M.Sc.(Ag.), Ph.D. Associate Professor 9453471268 Email-	Plant Breeding Published -02 Research Papers Guided – M.Sc.(Ag.) Thesis Ph.D. Thesis Participated Seminar and Symposia-
	<b>Dr Brijesh Singh</b> M.Sc.(Ag.), Ph.D. Assistant Professor(SS)	Crop Breeding Published -07 Research Papers Guided – M.Sc.(Ag.) Thesis Ph.D. Thesis Participated Seminar and Symposia-
	<b>Dr Vijaya Nand Pathak</b> M.Sc.(Ag.), Ph.D. Assistant Professor	Hybrid Rice Published -16 Research Papers Guided – M.Sc.(Ag.) Thesis Ph.D. Thesis Participated Seminar and Symposia-
<b>Vacant 03 Post Assistant Professor</b>		

### Supporting Staff

<b>Sri. Ashok Kumar Verma</b>	<b>Laboratory Assistant</b>
<b>Vacant</b>	<b>Laboratory Attendant/Parichar</b>
<b>Sri Rajesh Kumar Singh</b>	<b>Laboratory Attendant/Parichar</b>

PG Department of Genetics and Plant Breeding was started in 1958 as a UG department and was elevated to PG level in 1972. 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 Statician.

Dr VK Singh, now the Head of the institution, has been working actively on maize breeding. Dr O.P.Singh has been working in the field of plant genetics. Dr Brijesh Singh has published seven research papers and participated in many seminars. Dr Vijaya Nand Pathak, a gold medalist has joined the department in May,2010. He has got his doctorate from Faizabad in 2004

## **2. 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..

## **3.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.

## **4.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.

## **5.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.

#### **6. 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.

#### **7. Academic and personal Counseling:**

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

#### **8. 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

#### **9. 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.

**10. Collaboration with other departments and institutions:** None

**11. 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-**

1. Worked as Research Associate in CURE project funded by IRRI, Phillipines.
2. Worked as Asstt Professor in the department of Vegetable Science, NDUAT, Faizabad

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

**13. Plan of action of the department for the next five years:**

We plan to develop a Biotechnology laboratory for our PG students.

**Department Photo Gallery**





