

Department of Zoology
Shri Murli Manohar Town P.G. College
Ballia, U.P.
(Affiliated to Jananayak Chandrashekhar University, Ballia)

1. About

PG course in Zoology was introduced in 1986, though UG department was established in 1965. The department also offers Ph.D. course to students. The department started research work with funding through various minor and major projects since 1973 as a UG department itself. In 1981, a **major project** funded by **IFS Sweden** was conducted by Dr. S.J. Srivastava of this department. In all, about **12 major** and **13 minor projects** have been run by the department. Three members have got trained in modern biological techniques in laboratories of **ITRC, Lucknow and BHU, Varanasi** under **SERC Visiting Fellowship of DST**. Dr S.J. Srivastav has worked for about one and half years in **Washington University (US)** under exchange programme. In June 06, Dr. D.Roy presented a paper at a conference of **FAO (UN)** in Mondsee (**Austria**).



2. List of Faculties

1. Prof. Dayalanand Roy

Qualification M.Sc., Ph.D.; UGC- JRF
Designation Professor
Contact 9450776526
Email Id droyballia@gmail.com
Specialization and area of research Cell biology
Research Papers- 40; Seminars/ Conferences- 20; Books/Book Chapters-01
Other Related Information Members of Board of Studies and several committees of the university



2. Dr. Sucheta Prakash

Qualification M.Sc., Ph.D.
Designation Associate
Contact
Email Id
Specialization and area of research Entomology
Research Papers- 24; Seminars/ Conferences- 05; Books/Book Chapters
Awards/Recognition/honours 01



3. Dr. Sudha Rana

Qualification M.Sc., M. Phil., Ph.D. CSIR-NET, JRF
Designation Assistant Professor
Contact 9648987854
Email Id drsudhainmas@gmail.com
Specialisation and area of research Parasitology, Life Sciences
Research Papers-10; Seminars/ Conferences- 03; Books/Book Chapters- 04
Other Related Information Patents- 02



4. Dr. Anil Kumar

Qualification M.Sc. Ph.D. (CCSU, Meerut),
Designation Assistant Professor
Contact 9910633131
Email Id anilitr@hotmail.com
Specialisation and area of research Parasitology, Cancer Biology
Research Papers- 07; Seminars/ Conferences- 03
Awards/Recognition/honours 02, CSIR- NET, JRF.



5. Dr. Manohar Lal Yadav

Qualification M.Sc. (BHU), Ph.D. (BHU), NET,
CSIR-UGC-JRF, ICMR-JRF, GATE
Designation Assistant Professor
Contact 7839260464
Email Id manohar.yadav4@gmail.com
Specialisation and area of research Fish Biology (M.Sc.), Ph.D. (Human
Genetics), Molecular Biology
Research Papers- 03; Seminars/ Conferences- 05; Books/Book Chapters- 03



6. Shri. Gulshan Kumar

Qualification M.Sc. (BHU), M. Phil. (Life Sciences,
BHU), UGC-JRF, CSIR-JRF
Designation Assistant Professor
Contact 9453962448
Email Id gksid134@gmail.com
Specialisation and area of research Fish Biology, Life Sciences
Research Papers- 00; Seminar/ Conferences-03;



3. List of Ex-Faculties:

1. Dr. Sri Ram Singh
2. Shri Nasiruddin
3. Shri Amar Nath Pandey
4. Dr. Anil Kishor Srivastava
5. Dr. Shiva Ji Srivastava
6. Dr. Arun Kumar Srivastava
7. Dr. Anju Tyagi

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. It is further appreciating that girl students usually constitute about 50% or sometimes more than 50 % of the total strength. Success rate of UG students is about 60% while it rises to more than 90% in case of PG students. Our students are doing

well in different walks of life after completing their studies from this institution. Most of the students come from Hindi medium schools, hence with a poor proficiency in English language.

5. Changes in Courses:

Since 2020, we have adopted the syllabi recommended by UGC for both UG and PG courses (NEP-2020).

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 90%. 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 books and journals.

b. **Computers:** At present, there are two computers in the department.

c. **Laboratories:** There is a big well-equipped laboratory for UG students. Two laboratories equipped with necessary amenities are there for PG students. There is a separate laboratory for physiology and biochemistry practical. There is a research laboratory with working facility for about ten students and necessary equipments required for histological and biochemical experiments.

d. **Other Resources:** The department has a rich archive of museum and prepared slides for both UG and PG students. We have a good collection of models and charts for easy learning of students.

8. Modern teaching methods: We use overhead and slide projectors apart from normal blackboard teaching. We also organize students' seminars and group discussion. Many of our faculty uses their personal ICT resources in the process of their teaching

9. Academic and personal Counseling: The staff members take keen interest in providing academic counseling to our students, particularly those pursuing PG courses. We keep them updated regarding various avenues available to them after their post-graduation. We make our maximum efforts for genuine placements of our research students after they complete their doctoral work. Further, our students do not hesitate to consult us if and when they have some personal problems.

10. Faculty development programmes: There are four readers in our department and they have completed the required numbers of refresher courses. Three lecturers have done one orientation course each. Three of our faculty have also availed SERC visiting fellowship of DST to get trained in frontier areas of biology. Two of our faculties have done their Ph.D under Faculty Improvement Programme.

11. Participation in academic activities:

Teaching- All the faculty members are regularly involved in teaching of both UG and PG classes (theory and practical), each faculty taking about 24 periods per weak. Apart from teaching in our parent department, Dr D.Roy of this department is a regular guest faculty too in the department of Biotechnology.

Research-Three of our faculty members are actively involved in research. Their research profiles are mentioned above.

Consultancy-

(i) **Dr D. Roy** is a nominated counselor to Distance Education Programme of Dev Sanskriti University, Haridwar.

(ii) **Dr. Manohar Lal Yadav** is one of the members of the Mentoring and Guidance Cell of the college.

Other Academic Activities-The head of this department (Prof. Dayalanand Roy) has served as convenor, RDC (Zoology) as well as convenor, academic council of VBS Purvanchal University, Jaunpur during 2003-05. Our faculty members are routinely involved in other college activities, like proctorship, paper setting, evaluation, etc.

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

(i) Prof D. Roy-

Priority areas of research -Reproductive biology of freshwater prawn; Heavy metal toxicity and their impact on fish and human beings.

13. Placement record of past students: Placement record of our Ph.D. students are given below:

(Names in parentheses are supervisors' names)

1. Dr V.K. Srivastava (1992) (Dr S.R.Singh)
Present Status- Reader, J N College, Pasighat, Arunachal Pradesh
Current Research Interests- Ecology of lotic and lentic water bodies of Arunachal Pradesh.
2. Dr Ram Singh (1992) (Dr S.J.Srivastava)

- Present status- Senior Lecturer, S C Degree College, Ballia
 Current Research Interests- Photoperiod regulation of reproduction in fishes
3. Dr D. Roy (1994) (Dr S R Singh)
 Present Status- Reader, Department of Zoology, SMM Town PG College, Ballia
 Current Research Interests- Neuroendocrinology of Freshwater prawns
 4. Dr Ranjana Sinha (1996) (Dr. Arun Kumar Srivastava)
 Present Status- Scientist, CIFRI, Barrackpur, WB
 Current Research Interests – Fish Pathology
 5. Dr N.D. Singh (1997) (Dr S J Srivastava)
 Present Status- Principal of an Intermediate College at Farukhabad
 Current Interests- Promotion of Science Awareness Programmes
 6. Dr Manoj Tewari-(1999) (Dr Arun Kumar Srivastava)
 Present status- Teacher
 7. Dr Rajiv Kumar srivastava (1999) (Dr S J Srivastava)
 Present status- Scientific Assistant in a Govt. Dairy, Parag, Ballia
 8. Dr Prem Prakash Srivastava (1999) (Dr S J Srivastava)
 Present status- Scientist, CIFE, Mumbai
 Current Research Interests- Formulation of Nutritional feeds for various fishes
 9. Dr Preeti Pandey (2000) (Dr Arun Kumar Srivastava)
 Present status- Lecturer in a degree college
 10. Dr Sanjay Srivastava- (2001) (Dr Arun Kumar Srivastava)
 Present status- Lecturer (part time) in the parent department
 11. Dr Madhumita Srivastava (2006) (Dr Arun Kumar Srivastava)
 Present status- Part time lecturer in Biotechnology Department
 12. Akhilesh Kumar Gupta (2006) (Dr D. Roy)
 Present status-Lecturer in a degree college
 13. Dr Dhananjay srivastava (2008) (Dr Arun K. Srivastava)
 Present status- SRF
 14. Dr Punit Srivastava. (Dr D. Roy) 2010
 Present status- lecturer in a degree college
 15. Dr Praveen Kumar (Dr D. Roy) 2010
 Present status- lecturer in intermediate college

16. Dr. Sanjay Chaturvedi (Dr S.Srivastava) 2009, working in a private sector

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

A. Teaching: We plan to improve our Post Graduate teaching by taking following measures-

1.Library- Many new papers have been introduced and many new chapters have been added in the existing syllabus. Therefore, our library needs to be equipped with sufficient text and reference books which can help students prepare these subjects. More so, the increasing number of students also demands increase in the number of books. We also want to improve the infrastructure facilities of our library and to equip it with some computers, internet facility and some on-line journals.

2.Laboratory- New experiments in practical syllabus- like Molecular Biology experiments have been introduced. We plan to equip our laboratory with necessary instruments required for these experiments listed on next page.

3. Dissertation- We regularly organize a seminar presentation for our PG students as a part of their syllabus. Further, we wish to introduce a dissertation system for final year students. For this purpose, we need to expand our laboratory facilities.

B. Research: The research plan of our faculty for the next five years is as follows-

The laboratories facilities of the department are being improved so that students can complete their dissertation work properly.