



DEPARTMENT OF ZOOLOGY

DAYALBAGH EDUCATIONAL INSTITUTE

(Deemed to be University)

Weblink: <https://www.dei.ac.in/dei/science/index.php/about-zoology>

Chronological Progression



Our under-graduate and post-graduate programs are designed to achieve a seamless transition from fundamental Zoology to exploitable technology and seek to provide students with opportunities to develop insight and improve their analytical, communication and professional skill.

Post-graduation classes began in 1988 and since then the department has made its identity in quality Teaching and Research.

The Department of Zoology was established initially under the Radhasoami Educational Institute in 1970 affiliated to Agra University and later in 1981 under the Dayalbagh Educational Institute (Deemed University).

New Initiatives (2013-2019)

**6th, 31st, 34th,
52nd position in
CSIR UGC
NET**

**Work experience:
Bioinformatics &
Cell Biotechnology**

**Central
Instrumentation
facility created:
DST FIST grant**

**Basics of
Neuroscience
(Ancillary)**

**Advanced
Neurobiology I &
II (Elective
Course)**

**Neurobiology
(Major
Course)**

**New
Courses**

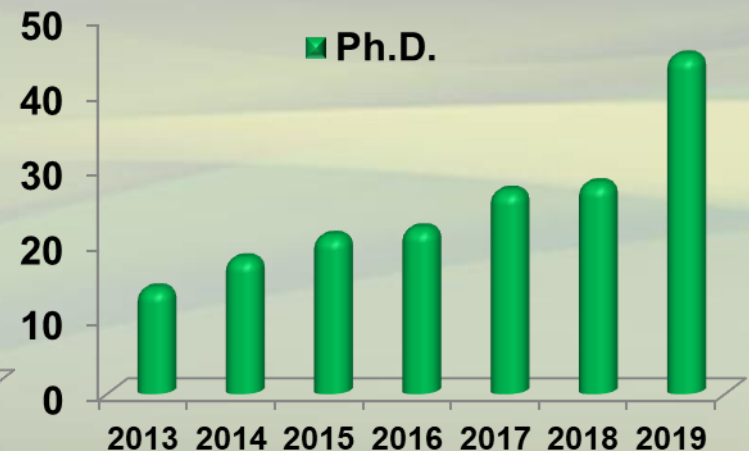
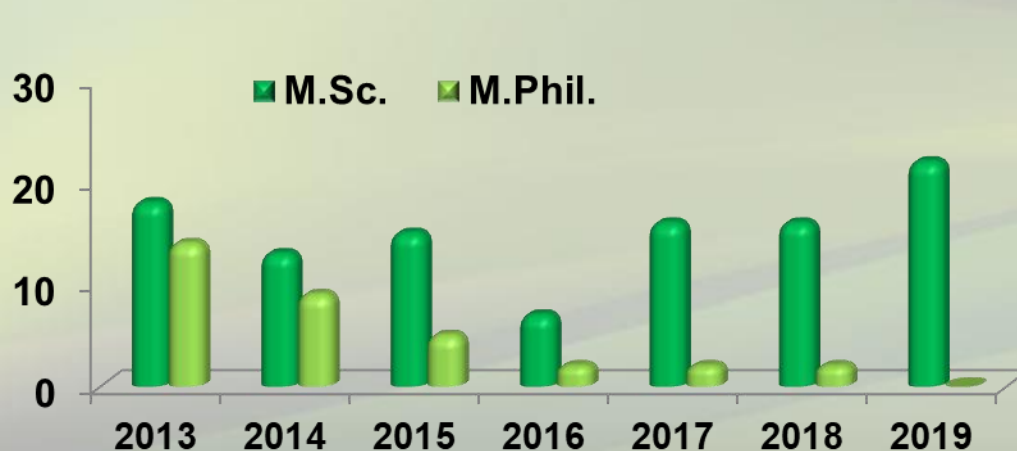
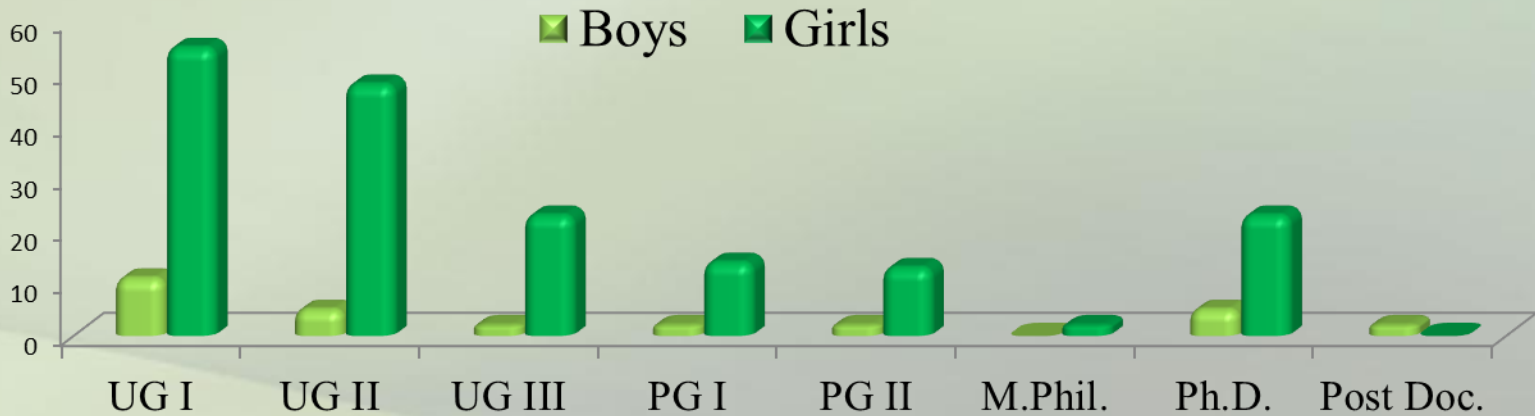
**MOU: (with
Biotech Park,
Lucknow)**



**Networking
Lab:DST FIST**



Students Progression



Teacher – Student ratio – 1:19; Women enrolment – 89%; Reservation – as per UGC

Alumni Engagement



Ami Kumar,
Doctoral Researcher
University Hospital (UKSH)
Cristian-Albrechts-Universitäts zu Ki



Bhavna Pydah,
Junior Research Fellow, TIFR



Kriti Sharma
DST-Inspire Fellow, CDRI



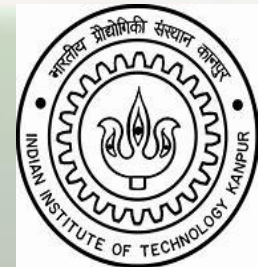
Mahima Verma
SRF, ICAR NASF
Funded project



Garima Sharma
PGT- Biology in Dr. KRBM
Pushp Vihar New Delhi.



Madhu
Chaturvedi
JRF-CSIR
IIT, Kanpur



Jyoti Das
NCCS, JRF-CSIR
Pune



Anjali, PDF
Punjab
Agriculture
University



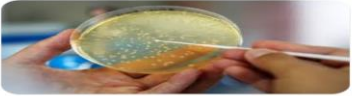
Programmes offered

B.Sc . I & II year –	Zoology Major
	Ancillary Courses: (Faculty)
	Ancillary Courses: (Non-Faculty)
Add on Work Experience Courses:	(I – IV Semester) Cell Biotechnology Certificate Course
	(I – II Semester) Bioinformatics Course
B.Sc. (Hons.) III year	Zoology
Work Experience Courses:	(V – VI Semester) Cell Biotechnology Advanced Certificate Course
M.Sc.	Zoology
M.Phil.	Zoology
Ph.D.	Zoology
Paramedical certificate courses:	Nursing/ Midwifery / Companionship

Thrust Areas



Neurobiology, Nano-Biotechnology and Bioinformatics-
Dr. Amla Chopra, Dr. Priyanka Gautam & Dr. Arun Pratap Sikarwar



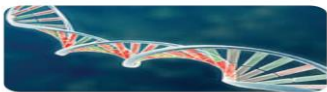
Cell Biotechnology- Prof. Alka Prakash



Applied Entomology - Emeritus Prof. C.N. Srivastava & Dr. Lalit Mohan



Vector Control Biology- Prof. Soam Prakash & Dr. Shabd Preet



Molecular Genetics & Evolutionary Biology-Prof. Sant Prakash



Animal Behavior -Dr. Reshma Bhatnagar

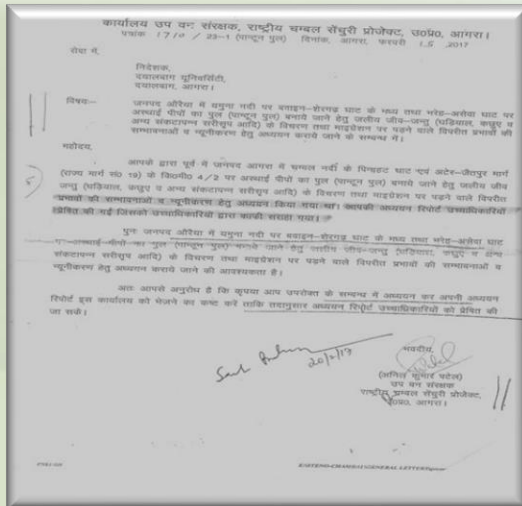
Research

- **Publications: 101**
- **Int'l./Nat'l. Conf. Proc.: 28 / 40**
- **Books/Book Chapters : 02 / 04**
- **Unique Gene sequences : 44**
(NCBI Gene Bank, USA)
- **Research Citations : 1021**
- **Research Projects:**
 - **Ongoing : 1.30 cr.**
 - **Completed : 2.80 cr.**

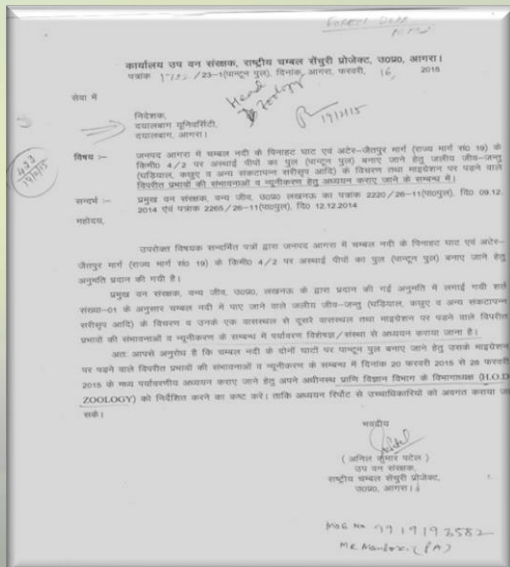
Journal	Impact Factor
J. of Entomological Res.	3.8
Eur. J. Pharmaceutical Sc.	3.8
Apoptosis (Springer)	3.3
J. of Cell Science & Therapy	3.2
Food Control	3.4
Andrologia	1.6
Acta Tropica	2.2
Reports in Parasitology	2.6
Future Medicines	2.6

- **Funding Agencies : DST, DST-FIST,**
- **UGC & DBT, DST-SERB**

Consultancy



Forest Department of Govt. of U.P.



Infrastructure



DST FIST Networking Lab



DST FIST Central Instrumentation Lab



B.Sc. Lab



Museum



Library



B.Sc. Lab



B.Sc. Hons. & M.Sc. Lab

Major equipment's

✓ DST FIST Grant:

1. Real Time PCR (q PCR)
2. Gradient PCR
3. Sonicator
4. Water purification system
5. Micro-plate Reader



✓ DST SERB Grant:

6. Phase Contrast Fluorescence Microscope
7. Deep Freezers (-20 & -86)



✓ UGC Plan Grant:

8. Fluorescent Microscope with advanced imaging
9. High-speed Refrigerated

Open Seminars/Invited Talks



Prof. Guru Prasad
DAV Indore



Prof. Shubha Tole
TIFR, Mumbai



Prof. Lina Nilsson
University of California, Berkeley



Prof. P. Gautam
Anna University, Chennai



Prof. John Whitmann
San Diego Inst. For
Conservation Research



Dr. Simantini Ghosh
Ashoka University, Sonapat



Dr. Itender Singh
University of Washington

Departmental Profile



**PROF. SANT
PRAKASH**
Ph.D. (NEHU)



**PROF. C.N. SHRI-
VASTAVA** Ph.D.
(Agra University)
(Emer Prof)



**PROF. SOAM
PRAKASH**
Ph.D. (DEI)



**PROF. ALKA
PRAKASH**
Ph.D. (NEHU)



**DR. SHABD
PREET**
Ph.D. (DEI)



**DR. AMLA
CHOPRA**
Ph.D. (DU)



**DR. LALIT
MOHAN**
Ph.D. (DEI)



**DR. RESHMA
BHATNAGAR**
Ph.D. (DEI)



**DR. PRIYANKA
GAUTAM**
Ph.D. (DEI)



**DR. ARUN P.
SIKARWAR**
Ph.D. (Mumbai
University)



Guest Faculty
Ph.D. (DEI)

Teaching Staff



Paras Baranwal



**Manju
Srivastava**



Vivek Java



Vinay Ram

Technical Staff

Department Members	No.
Professors	03
Professor Emeritus	01
Associate Professor	01
Assistant Professor	05
Guest Faculty	01
Technical Staff	04
Total	15





THANK YOU

Milestones to be achieved towards VISION 2031

- **Toward Translational Research – Lab to Community**
- **Capacity building: Training for UG & PG ; Hands on Courses for Researchers ; Enhance Post Doctoral Research**
- **Academia – Industry partnership through Patent filing**
- **Enhancement of Research funding.**
- **Establishment of Center for Advanced Research in DNA - Barcoding , Vector Control and Brain Research**
- **Upgradation of Departmental Central Instrumentation facility and creation of incubation cell.**
- **Establishment of field station for Wildlife and Biodiversity Research.**
- **Bringing next generation Skill-based Training Courses.**