

# **DEPARTMENT OF ZOOLOGY**

**ESTB. 1967** 



Introduction 3-5

Teachers' Profile 6-10

Students' Diversity, Result Analysis, Progression 11-14

> Alumni 15-18

Curriculum Development 19

Major Research Projects 20-21

Teachers — Awards & Publications 23-25

Conferences/Workshop 26-27

Undergraduate Research
Add-on Courses, Hands-on Workshop
29-37

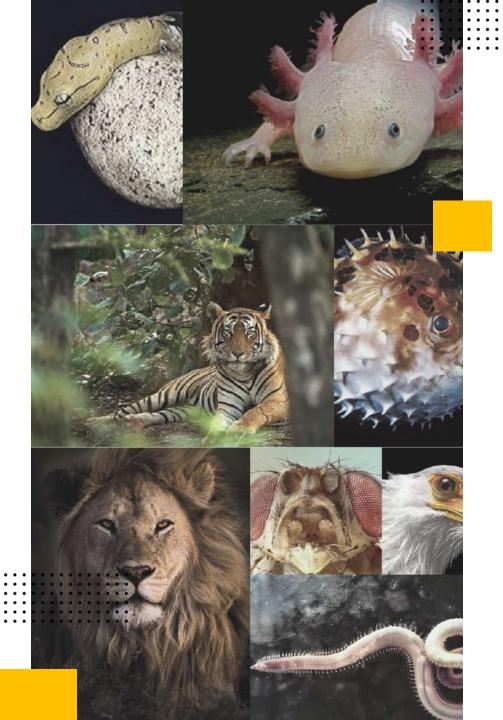
Albatross
Co-Curricular Activities
Annual Magazine
39-47

Students Achievements 48-51

Feedbacks 52-56

During Pandemic 57-63

NEP Preparedness 64-66

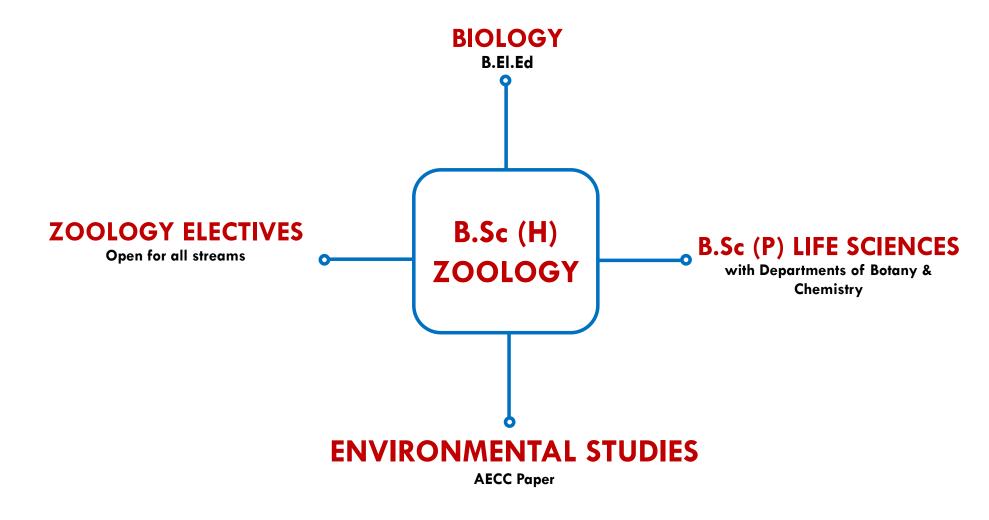


## **VISION AND MISSION**

The Department of Zoology seeks to:

- impart a holistic understanding of the biology of animals, evolution and their environments.
- promote research and learning at the UG level and beyond by 'Redefining Zoology'
- to produce highly motivated graduates capable of making a significant contribution toward sustainable development and the well-being of mankind.

## **COURSES OFFERED**



## GLIMPSES OF THE DEPARTMENT OF ZOOLOGY





# **TEACHERS' PROFILE**

**Dr Poonam Sharma Associate Professor** 



Dr Shivani Tyagi **Assistant Professor** (Teacher In-charge)



Ms Smita Choudhury **Associate Professor** 

Dr Kuntal Kalra **Associate Professor** 





**Dr Smriti Sharma Assistant Professor** 

**Dr Mamtesh Singh** 

**Assistant Professor** 





Dr Jasvinder Kaur **Assistant Professor** 

#### Dr Chaitali Ghosh **Assistant Professor**





Dr Supriya Singh **Assistant Professor** 



Dr Neena Dhiman **Assistant Professor** 

# **TEACHERS' PROFILE**

Dr Thoudam Regina Assistant Professor

Dr M. Divya Gnaneswari Assistant Professor



Dr Rashmi Saini Assistant Professor





Ms. Ishu Priya Assistant Professor

Dr Tenzin N. Bhutia Assistant Professor





Dr Udita Mukherjee Assistant Professor



Dr Madhu Yashpal Assistant Professor

## TEACHERS' PROFILE

Dr Supriya Pipil



Dr Shashibala















**Dr Parul Gulati** 



Dr Tejendra Kumar



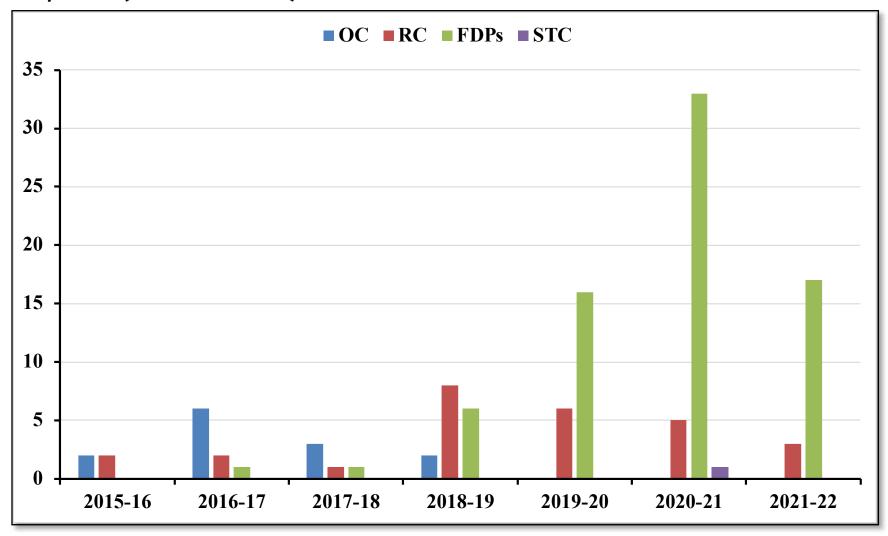
Dr Jai Kumar



Dr Swati Bajaj

# **ACADEMIC TRAINING (TEACHERS)**

OC/RC/FDP/STC (2016-2021)



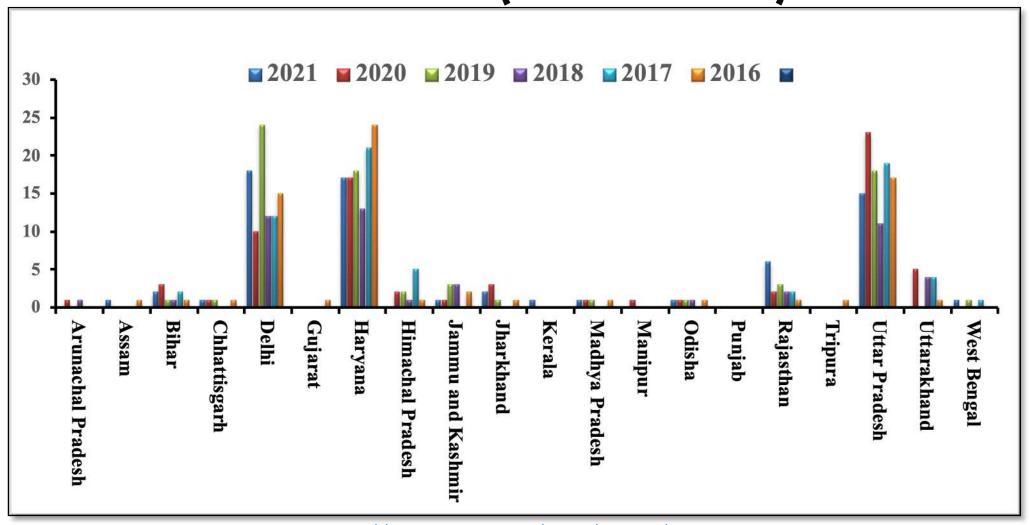
# **NON-TEACHING STAFF**



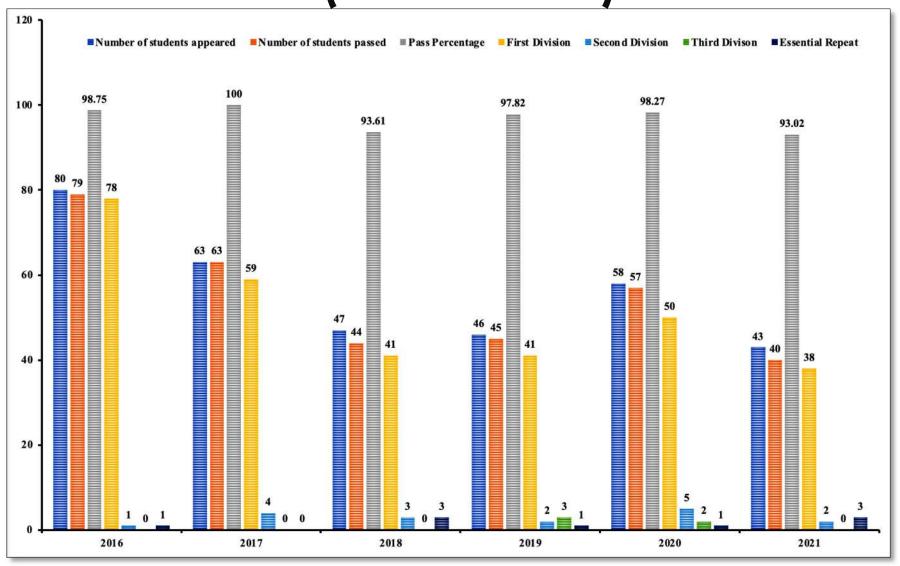
Mr. Arvind Kumar

Mr. Kishan

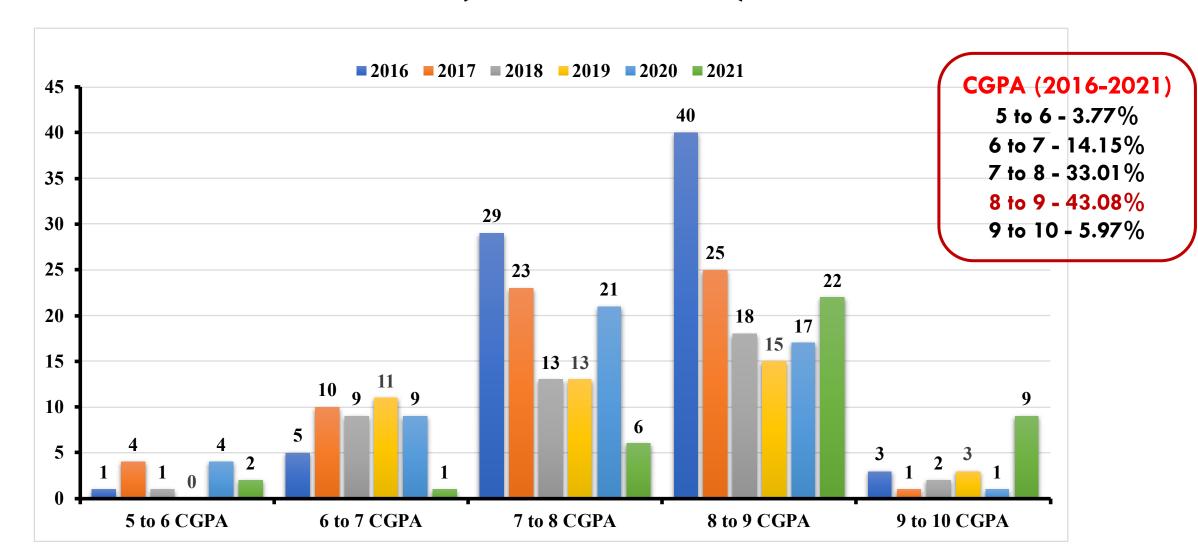
# STUDENT DIVERSITY (2016-2021)



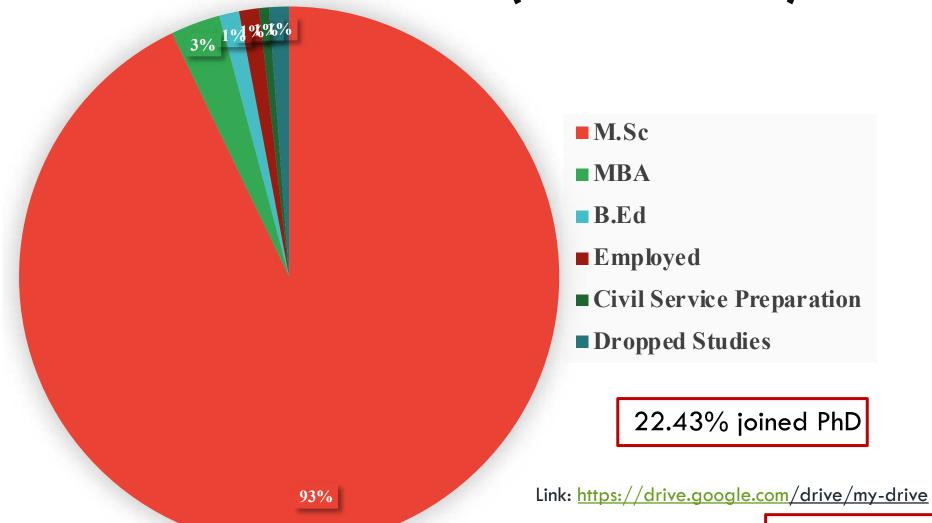
# RESULT ANALYSIS (2016-2021)



# RESULT ANALYSIS (2016-2021)



# STUDENT PROGRESSION (2016-2021)



**BASED ON RESPONSES RECIEVED** 





DR ANITA VERMA ASSOCIATE PROFESSOR, SRI VENKATESWARA COLLEGE



DR MEGHA KUMAR SENIOR SCIENTIST, CSIR, CCMB, INDIA PHD, CLEMSON UNIVERSITY



DR REENA KUMARI Scientist, SCoBIRC, University of Kentucky, Lexington, Kentucky, USA



HIMANSHI KUKRETY Senior Forensic Assistant Delhi Police Crime Branch



DEEKSHA KUMAR EPR Specialist, Karo Sambhav 2022 Country Officer University of Aberdeen British Council GREAT Scholar 2019



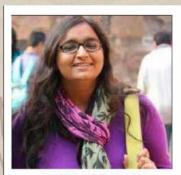
ASNEHA BALANI PRODUCT MANAGER, STEMCELL TECHNOLOGIES, VANCOUVER, BC



ANTARA SHOME LEAD CREDIT SPECIALIST, AMERICAN EXPRESS



ASHWARYA PADMANABHAN
PHD. (NEUROSCIENCE),
UNIVERSITY OF SUSSEX, UK



VAISHALI RAWAT
WILDLIFECONSERVATIONIST
YOUNG NATURALIST AWARD (20)



DASHLEEN KAUR PHD, CCB, IITD, INDIA



GEETIKA NARANG



PRABHLEEN KAUR PHD. IGIB. INDIA

# NOTABLE ALUMNI

Ms Vaishali Rawat
Young Naturalist Award (2017)
Writer, conservation advocate changemaker

Ms Prabhleen Kaur

Gold Medallist M.Sc. (Zoology),
University of Delhi (2019-2021)

CSIR NET JRF (Life Science) 2021 - AIR 75

4<sup>th</sup> Rank, Under Graduation (Zoology)
University of Delhi (2016-19)

Ms Sayeda Warisul Fatima Long Strider Award - 2020

# NOTABLE ALUMNI

Ms Simran Jayshankar Sharma

1st Rank, Under Graduation (Zoology)

University of Delhi (2016-17)

Ms Khushboo Choudhary 7<sup>th</sup> Rank, Under Graduation (Zoology) University of Delhi (2017-18)

#### Ms Debalina Chatterjee

Gate (XL) 2022 - AIR 28
CSIR NET JRF (Life Science) 2021 - AIR 56
UGC NET LS (Life Science) 2019 - AIR 07
3<sup>rd</sup> Rank - M.Sc. (Zoology) Entrance
(University of Delhi) 2019





KHUSHBOO SINGHAL PHD, CSIR-IGIB. INDIA



SAYEDA WARISUL FATIMA
DST INSPIRE FELLOW
DEPARTMENT OF CHEMISTRY, IITD, INDIA



RANJINI GHOSH DASTIDAR PhD, Polish Academy of Sciences, Poland



TANYA SINGH
RESEARCH ASSISTANT
PhD, University of Houston, USA



NAMRATA PANDEY
Project Associate
CSIR IITR, India



RASHI DIXIT
PhD, Central University of Tamil Nadu,



POOJA KRI GUPTA
PHD, UNIVERSITY OF HAIFA, ISRAEL



AASHNA KAPOOR
SENIOR EXECUTIVE- LEARNING &
DEVELOPMENT
Incedo Inc., India



APOORVA GUPTA PHD, DBT - NIPGR, INDIA)



DEBALINA CHATTERJEE TOPPER, MSc (Zoology) Entrance Examination, DU PhD. University of Delhi



PRAMA PANDEY

DBT Scholar, M.Sc. Biotechnology,
University of Hyderabad



ASHIMA SHAKUJA PHD, BITS, PILANI, INDIA

# MERITORIOUS ALUMNI (2016-2021)

Name	Present Status	Name of the Institution
Ms Anushka Baisoya	M.Phil.	University of Delhi, India
Ms Tanya Singh	PhD	University of Houston, USA
Ms Ranjini Ghosh Dastidar	PhD	Polish Academy of Sciences, Poland
Ms Gunjan Baisoya	PhD	National Institute of Technology, New Delhi
Ms Pooja Kri Gupta	PhD	University of Haifa, Israel
Ms Jhalak Jauhari	M.Sc	TERI SAS, New Delhi
Ms Savneet Kaur sohal	M.Sc	Banaras Hindu University, Varanasi
Ms Debalina Chatterjee	PhD	University of Delhi, India
Ms Garima Badhan	M.Sc	Cluster University of Jammu, Jammu
Ms Taniya Sherwal	M.Sc	University of Delhi, New Delhi
Ms Navleen Bali	MBA	School of Inspired Leadership, India
Ms Sarika Bhati	PhD	Indian Institute of Technology Delhi
Ms Garima Jain	M.Sc	University of Delhi, New Delhi
Ms Sweta Verma	B.Ed	Kalka Institute for Research and Advanced Studies, GGSIPU
Ms Anjali Verma	PhD	School of Biotechnology, JNU, New Delhi
Ms Hitanshi Sharma	M.Sc	University of Delhi, New Delhi
Ms Rashmi Agrata	Integrated PhD	NCBS-TIFR, Bangalore
Ms Sipaz Sharma	Integrated PhD	IISc, Bangalore
Ms Urvashi	PhD	CSIR-CFTRI, Mysuru
Ms Prama Pandey	MSc	University of Hyderabad, Andhra Pradesh

# MERITORIOUS ALUMNI (2016-2021)

Name	Present Status	Name of the Institution				
Ms Sagarika Dawka	M.Sc. In Genetics And Molecular Bioscience	University of Helsinki, Finland				
Ms Saher Chawla	M.Sc. In Human Disease Genetics	Centre For Human Genetics, Bangalore.				
Ms Akansha Gupta	PhD	IIT Delhi				
Ms Pooja	PhD	IIT, Madras				
Ms Anjali Verma	PhD	School Of Biotechnology, JNU				
Ms Kanika Bisht	JRF	CSIR-IGIB, New Delhi				
Ms Atisha Sood	Research Fellow	Natural Institute Of Disaster Management, MHA, New Delhi				
Ms Akriti Kalra	Masters in Global Public Health	Griffith University, Gold Coast				
Ms Shruti Khanna	PhD, Genetics, UDSC	University Of Delhi				
Ms Dashleen Kaur	PhD	IISER, Kolkata				
Ms Aanchal Pruthi	Research Associate	TERI, New Delhi				
Ms Neha Vimal	PhD	University of Delhi				
Ms Sreshtha Mondal	PhD	NIAS, IISC, Bangalore				
Ms Ashama Begum	PhD	Indian Institute of Technology Delhi				
Ms Ekta Nagar	Project Assistant	CSIR-IGIB, India				
Ms Khushboo Kumari	PhD	Jawaharlal Nehru University, India				
Ms Rashi Dixit	PhD	Central University of Tamil Nadu				

# CURRICULUM DEVELOPMENT CBCS, LOCF, NEP-UGCF

13 Teachers worked as convenors/team members for the Curriculum Development of 26 Courses

**Animal Diversity** 

Dr Shivani Tyagi

**Animal Form Structure and Function** 

Ms Smita Ray

**Lifestyle Disorders** 

Dr Udita Mukherjee

**Nature and Wildlife Studies** 

Dr T. Regina

**Immunology** 

Dr Smriti Sharma

**Nature and Wildlife Studies** 

Dr T. Regina

**Animal Biotechnology** 

Dr Poonam Sharma

**Developmental Biology** 

Dr M. Divya Gnaneswari, Ms Smita Ray

**Biostatistics** 

Dr Usha Kumari

**Food Nutrition and Health** 

Dr Udita Mukherjee

**Basics of Neuroscience** 

Dr Jasvinder Kaur, Dr Madhu Yashpal

**Biochemistry** 

Dr Kuntal

**Evolutionary Biology** 

Dr Tenzin N Bhutia

**Wildlife Conservation and Management** 

Dr Udita Mukherjee

**Physiology and Biochemistry** 

Dr Smriti Sharma

**Genetics and Evolutionary Biology** 

Dr M. Divya Gnaneswari

**Basics of Immunology** 

Dr M. Divya Gnaneswari, Dr Smriti Sharma

Nanotechnology

Dr Madhu Yashpal

**Biochemistry and Immunology** 

Dr Jasvinder Kaur

**Animal Behavior and Chronobiology** 

Dr Tenzin N Bhutia

**Animal Cell Biotechnology** 

Dr Poonam Sharma, Dr Chaitali Ghosh

**Molecular Biology** 

Dr Poonam Sharma

**Integrative Systems Biology and Bioinformatics** 

Dr Jasvinder Kaur

**Diversity of Chordates** 

Dr T. Regina

Nanobiology

Dr Madhu Yashpal

**Principles of Genetics** 

Dr Madhu Yashpal



# MAJOR RESEARCH PROJECT: BACTERICIDAL PROPERTIES AND MECHANISM OF ACTIONS OF PLANT-MEDIATED SYNTHESIZED GOLD NANOPARTICLES.

#### PI: Dr Madhu Yashpal

Funding Agency: UGC (BSR-Start-up Grant)

**Duration:** 2017-2020

Funds:

Sanctioned: Rs. Ten Lakhs

#### **Objective**

- To develop a simple and eco-friendly approach for the green synthesis and characterization of AuNPs using *Punica* granatum.
- To test the antimicrobial effectiveness of gold in the form of biosynthesized AuNPs against various strains of bacteria.
- To investigate the possible antibacterial mechanism of action of green synthesized AuNPs on bacteria

#### **Outcomes**

- Simple, cost-effective, rapid synthesis of AuNPs using *Punica* granatum peel extract as a reducing and stabilising agent under optimum conditions
- Biosynthesized AuNPs did not show any significant deleterious effect on microbial growth of Escherichia coli, Pseudomonas aeruginosa and Bacillus subtilis.

#### **Collaboration:**

#### **Prof Prabhat Nath Jha**

Department of Biological Sciences, Birla Institute of Technology & Science, Pilani, Rajasthan

#### **Undergraduate Students Worked in Project**

6 Students from B.Sc (H) Zoology trained

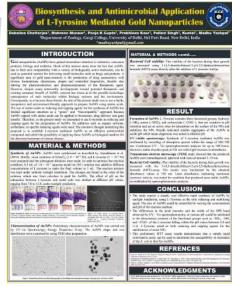
#### Students visit & training

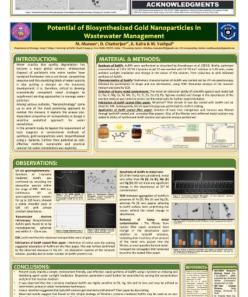
2 Weeks of training at the Department of Biological Sciences, BITS, Pilani

#### **Student presentation**

**TEN Posters** presented at National and International Conferences.

- AWARDED BEST POSTER International Conference on "Stewardship towards Sustainability" at SGT University, Gurgaon (2019)
- 2. AWARDED BEST POSTER International Colloquium on "Regulatory Mechanisms underlying Behaviour, Physiology and Development" (RMBPD-2021)







# MAJOR RESEARCH PROJECT: EXPLOITING BACILLUS, THE MICROBIAL WORK-HORSE FOR BIOWASTE UTILIZATION, BIOPOLYMER AND BIOFUEL PRODUCTION: INTEGRATIVE AND CUSTOMISED APPROACH

#### PI: Dr Mamtesh Singh

Funding Agency: SERB under ECRA scheme

Duration: 2018-2022 (3 years + 6 months extended)

Funds:

Sanctioned: Rs. 3674343

#### Salient features

- Use of local market waste as natural resource biowaste
- Use of single and combination of biowaste as resource
- Strategy to hydrolyse the biowaste
- Strategy and optimization for Microbial biopolymer and biofuel production
- Efforts to economically isolate the polymer

#### **Outcomes**

- Biopolymer production, biohydrogen not significant
- Work going on for biowaste combination, upscaling of the process & extraction

### ng Biological Warre Hydrolytuta for it: Management and Biologica **Publications** Tyagi et al., 2021; J. Env. Bio-sci. Afreen et al., 2021; Frontiers Bioeng. Biotechnol. Student visit & training Three months training for project student for biofuel production process at SSS-National Institute of Bioenergy P182 Student presentation Oral presentation (National Seminar at Gargi College) Poster presentation 1. at 3rd International Conference on Recent Advances in Bio-energy Research (ICRABR)-2022 2. at National Conference on Natural Sciences-

Exploration through Innovations, at MAU, Solan

(HP) - AWARDED BEST POSTER



# MAJOR RESEARCH PROJECT: MOLECULAR CHARACTERIZATION OF HUMAN IMMUNODEFICIENCY VIRUS (HIV) & IMPACT OF HLA ON VIRAL EVOLUTION

#### Pl: Dr Supriya Singh

Funding Agency: UGC (BSR-Start-up Grant)

**Duration**: 2018-2021

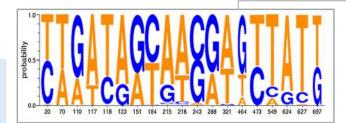
**Funds:** Sanctioned: Rs. Ten Lakhs

#### **Objective**

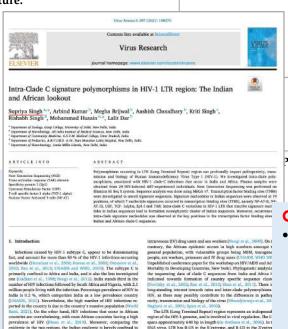
- To carry out molecular characterization of the HIV genome in samples obtained from ART-experienced subjects.
- To perform in-silico prediction of HLA binding epitopes in the above-mentioned genes.
- To study the impact of HLA on evolution of HIV.

#### **Outcomes**

- Study explores intra-clade C polymorphisms that occur in HIV-1 LTR sequences from Africa and India by utilizing the latest Next Generation Sequences (NGS) technology and contributing to the sequencing database.
- Signature nucleotides in Indian sequences were observed at 19 positions, of which 7 nucleotide signatures occurred in transcription binding sites (TFBS), namely NF-AT-II, NF- AT-III, USF, TCF- 1alpha, Sp1-I and TAR. These variations may be potentially relevant in designing clade-specific therapeutic interventions.
- Results present with intra-clade C variations, in Indian and African HIV-1 LTR sequences that inscribe signature nucleotides and lead to formation monophyletic cluster of Indian sequences. The study also reveals signature nucleotides at sites where the transcription factors involved in viral regulation bind to.

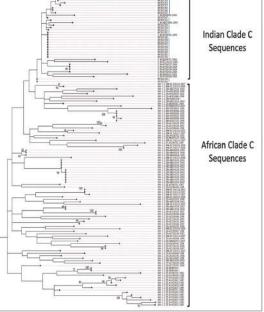


Sequence logo showing a web logo of the positions where query (Indian sequences) and background (African sequences) alignments had a different signature.



Received 27 Sestember 2000; Received in revised from 27 February 2021; Accepted 2 March 202

Available ordine 5 March 2021 0168-1762/© 2021 Biserier B.V. All rights reserved

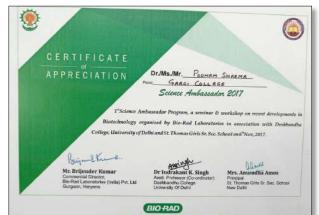


Phylogenetic tree showing clade C sequences from India and Africa, forming monophyletic cluster.

#### **Outcomes**

 MHC region forms the major selecting force, which drives the evolution of HIV.
 Our study revealed mutation hotspots in our Indian sequences, which will need to be kept into consideration while designing a vaccine.

## HONOURS AND RECOGNITION RECEIVED BY TEACHERS







#### **Dr Mamtesh Singh**

Awarded "NES YOUNG SCIENTIST AWARD-2018" by National Environmental Science Academy, India.

#### **Dr Poonam Sharma**

Awarded "BEST WOMEN FACULTY AWARD-2021" by Novel Research Academy, India under the Ministry of MSME, Government of India and recognized by Global Accreditation Assessment Forum Series (GAAFS), Washington D.C., United States of America.

Awarded "SCIENCE AMBASSADOR-2017" at 1<sup>st</sup> Science Ambassador Program organized by Bio-Rab Laboratories in association with Deshbandhu College on 06.11.2017 and held at St. Thomas Girls Sr. Sec. School, Delhi.

#### Dr Rashmi Saini

Awarded "RESEARCH EXCELLENCE AWARD- 2020" by Institute of Scholars, an ISO-certified Institute by International Accurate Certification, accredited by UASL.

# RESEARCH PUBLICATIONS/BOOK CHAPTERS/BOOKS

#### **JOURNALS**

**Aquatic Toxicology** 

Biosciences, Biotechnology Research Asia

**Enzyme and Microbial Technology** 

**European Journal of Biological Research** 

Indian Journal of Microbiology

International Journal of Pharmaceutical

**Sciences and Research** 

International Journal of Scientific Research

International Journal of Science and

Research

Iraqi Journal of Pharmaceutical Sciences

Journal of Applied Biology & Biotechnology

Journal of Leukocyte Biology

**Journal of Materials Nanoscience** 

Microbial Biotechnology

Microsphere

**Trends in Sciences** 





**Biosciences Biotechnology** 

Books - 4

Reviews

of Physiology

Pharmacology

Biochemistry and

**European Journal** 

of Biological Research

Indian Journal

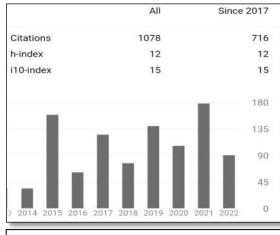
Microbiology

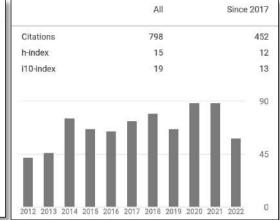
## **PUBLICATIONS STATISTICS**

Research Papers: 65

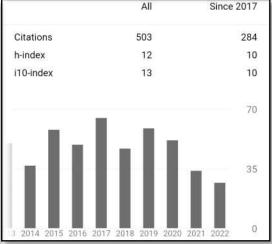
**Book Chapters: 43** 

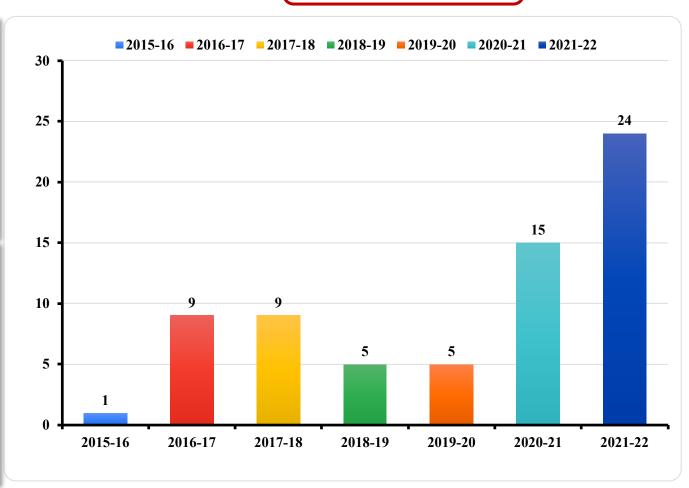
Books: 4





					All			Since	2017
Citation	s				700				282
h-index					5				5
i10-inde	X				5				5
ıl									90
				i					45
3 2014 2	2015	2016	2017	2018	2019	2020	2021	2022	0





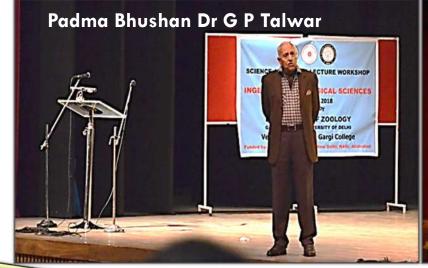
## Lecture Workshop: Ingenuity in Biological Sciences (11-12 January 2018)

#### Funded by:

- IASc, Bangalore
- INSA, New Delhi
- NASI, Allahabad
- ICMR, New Delhi
- CSIR, New Delhi

Registrations: 175

• Attended by > 200 Participants









## CONFERENCES/WEBINARS/LECTURE SERIES ORGANIZED

सतत पर्यावरण विकास: इसकी चुनौतियों, अभिकलनी विश्लेषण और अवसरों में वैज्ञानिक और तकनीकी शब्दावली का उपयोग (14-16 मार्च, 2019)

Use of Scientific & Technical Terminologies in Sustainable Environment Development, its Challenges, Computational

**Analysis and Opportunities** 

प्राणि विज्ञान विभाग, गार्गी महाविद्यालय द्वारा वैज्ञानिक और तकनीकी शब्दावली आयोग, उच्च शिक्षा विभाग, मानव संसाधन विकास मंत्रालय, भारत सरकार के समर्थन से आयोजित

संरक्षकः डॉ प्रोमिला कुमार (प्राचार्या) संयोजकः डॉ.ममतेश सिंह

सह-संयोजक: डॉ शिवानी त्यागी

Organized by Department of Zoology, Gargi College with support from Commission for Scientific and Technical Terminology, Department of Higher Education, MHRD, Gol

Patron: Dr. Promila Kumar (Principal)

Convener: Dr. Mamtesh Singh Co-convener: Dr. Shivani Tyagi And where we do not not be the control of the contr

Participants: 200 participants (130 were from across India)

7 invited talk sessions: 20 invited talks by experts from reputed institutions like JNU, AIIMS, Gargi College, CPCB, ZSI, Jodhpur, and Govt. P.G. College, Indore

4 oral presentation sessions: 22 oral

presentations

Chief Guest Prof. Ravi Chaturvedi, 'superannuated from Zakir Husain College, Hindi cricket commentator and Padma Shri. Award recipient'

Prof. Ravi Chaturvedi, in his talk, emphasized how developing Hindi & regional terminology in science and sports helped and may help many rural people to understand the subject matter and to develop an interest in the same.

Dr. Promila Kumar, (Principal, Gargi College),

Dr. Shashi Tyagi (Former Principal, Gargi College)

**CSTT Personnel** 



## **ENRICHMENT BEYOND CURRICULUM**

## LABORATORY VISITS AND EDUCATIONAL TOURS

Yearly Study tour Industrial Tour/Laboratory Visits



Encouragement and assistance offered



#### **CO-CURRICULAR**

Research Paper and Poster Presentation Quiz competition



#### **RESEARCH PROJECTS**

Research projects under the expert guidance; Project Competition (Pathfinder)



#### WORKSHOPS

Technical/Soft skill
For betterment and
excellence

## LECTURES BY EMINENT SCIENTISTS

Gain knowledge and experience of experts in the field







## NATIONAL/INTERNATIONAL SCIENCE CELEBERATIONS

Enhance motivation, achievements and retention

#### **ADD-ON/CERTIFICATE PROGRAMS**

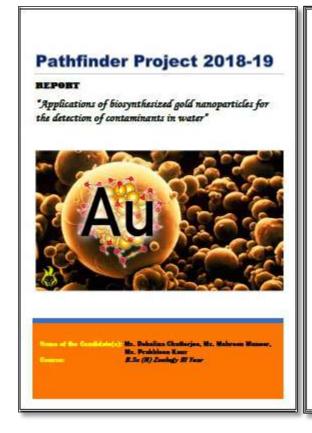
**ALL**atross

SOCIETY

build expertise in the professional subject area and helps with job advancement

## UNDERGRADUATE RESEARCH

## **PATHFINDER PROJECTS**



A NEW NON-TOXIC, COST EFFECTIVE, EASILY AVAILABLE POWDER TO VISUALIZE LATENT FINGERPRINTS ON VARIOUS SURFACES

Pathfinder Project, 2018-2019



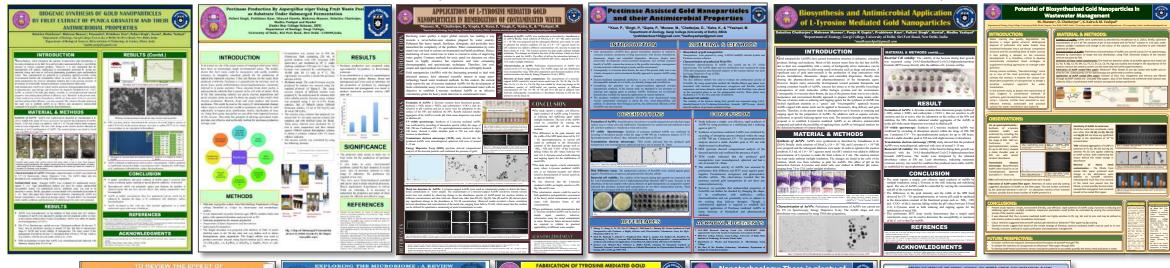
Submitted by Sarika Yadav Nimisha Sharma B.Sc Life Science 2<sup>nd</sup> year





# UNDERGRADUATE RESEARCH PROJECTS

**COLLEGE-FUNDED PROJECT (UNDER DBT-STAR COLLEGE SCHEME)** 









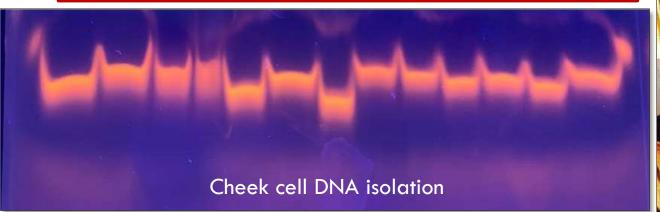
#### **BEYOND THE CURRICULUM**

#### Add-on Course

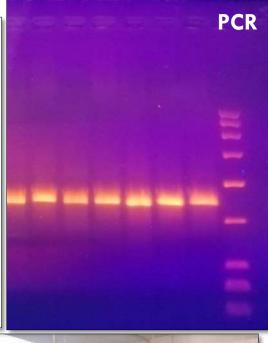
Biotechcellence: Insights and Innovations (2017-2022)

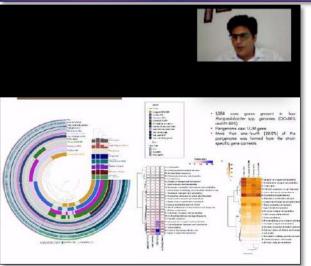
Coordinators: Dr. Poonam Sharma & Dr. Jasvinder Kaur

153 students trained between 2017-22

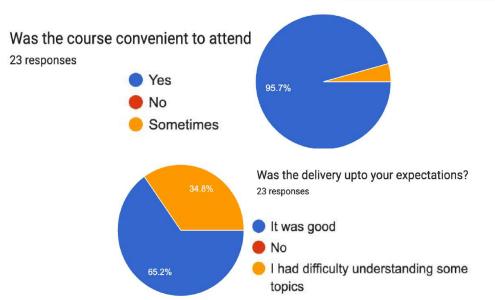














## Add-on Course

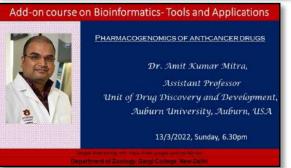
"Bioinformatics - Tools and applications" (2021-2022)

Coordinators: Dr. Chaitali Ghosh And Dr. M. Divya Gnaneswari











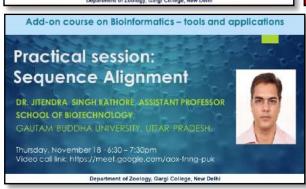
50 Students benefitted

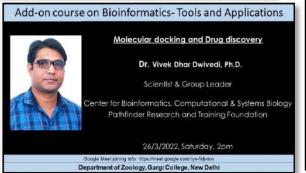
Virtual mode: Lecture and practical sessions

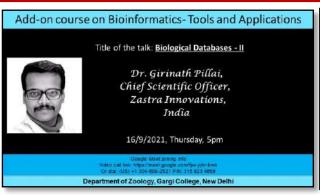
Method of evaluation: assignments and test

94% students scored >65% in test

Feedback was collected on knowledge sharing, learning process, presentation, speaker and way of conductance after every session.



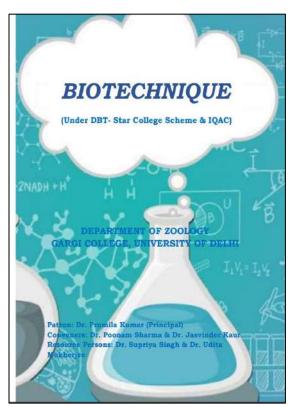






## HANDS-ON INTERCOLLEGE WORKSHOP — BIOTECHNIQUE

### **BEYOND THE CURRICULUM**





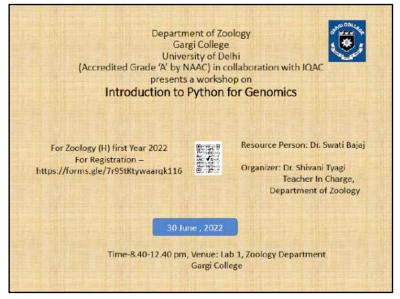
Two days hands-on Intercollege workshop on Biotechnology and Bioinformatics "Biotechnique" was organized on December 23 -24<sup>th</sup>, 2019 under Star College Scheme in association with IQAC.

38 students from 10 colleges participated.

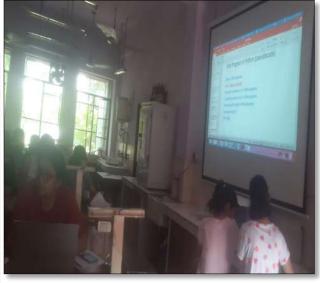


## HANDS-ON INTRODUCTION TO PYTHON FOR GENOMICS

## **BEYOND THE CURRICULUM**





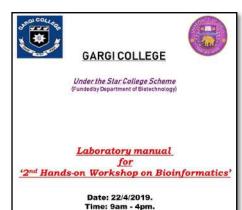


28 & 30 June 2022

40 students trained



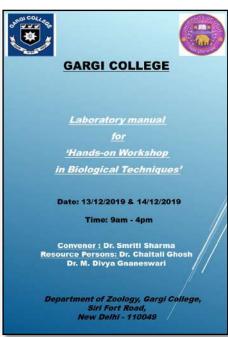
# WORKSHOPS/LABORATORY MANUALS

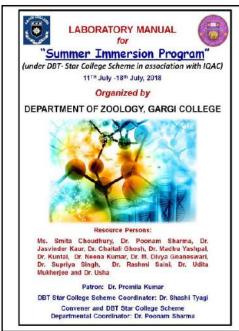


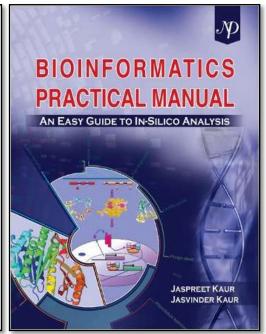
Convener: Dr. Chaitali Ghosh Resource Persons: Dr. Smriti Sharma,

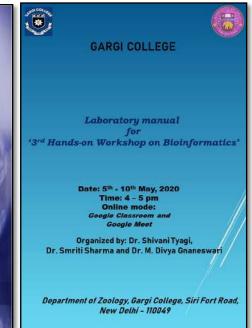
Dr. M. Divya Gnaneswari, Dr. Mamtesh Singh

Department of Zoology, Gargi College, Siri Fort Road, New Delhi - 110049









# CURRICULUM-BASED TRIPS/VISITS

National Science Museum (Delhi)
LS Core — Genetics & Evol Biology
April 2017

National Zoological Park (Delhi)
AECC — Environmental Studies
11<sup>th</sup> September 2017





Sulabh International Museum of Toilets (Delhi)
SEC paper — Public Health and Hygiene
6<sup>th</sup> April 2018

Aravalli Biodiversity Park (Delhi)
Core Paper -Ecology
13<sup>th</sup> September 2019





## LABORATORY VISITS

#### **BEYOND CURRICULUM**

National Brain Research Centre February 28, 2018



CSIR-IGIB, Delhi October 14, 2016



Abha Biotechnology Pvt Ltd.
October 10, 2019



Morgan Lab, Daulat Ram College February 23, 2019

# FEATHERED FRIENDS OF GARGI COLLEGE





## **CAMPUS BIRD COUNT**

Nesting Grounds for 22 Bird Species February 18, 2019

February 17, 2020









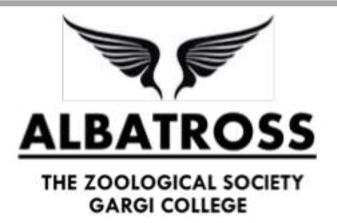












Department's motto is to expand their knowledge beyond curriculum, the zoological society 'albatross' lead the college in providing a podium to show the flare and to a part of high spirit, energy and creativity.

Albatross organizes various curricular and extra curricular activities to enhance the holistic development of students.

Various celebrations such as Darwin's day, and teacher's day are celebrated by enthusiastic students

#### MEDIA PRESENCE

Email-albatrosszoology@gmail.com https://lnstagram.com/albatross.gargi\_official https://www.facebook.com/albatrossgargi/

## Albatross Activities

Lecture Series

National and International Day Celebrations

**AlumConnect** 

Campus Backyard Bird Count

Various Competitions

Flight - Annual Magazine

Freshers Welcome and Farewell

## STUDENTS' COUNCIL

2021-22



Ms. Madhurya Ray (President)



Ms. Chestha Mutreja (Vice-president)



Ms. Archi Gupta (General Secretary)



Ms. Suvechha Panja (Cultural Secretary)



Ms. Divyanshi Chauhan (Treasurer)



Ms. Sweata Biswas (Proctor 3)



Ms. Tanya Jain (Proctor 2)



Ms. Arti Venkatesan (President)



Ms. Suvechha Panja (Vice-president)



Ms. Divyanshi Chauhan (General Secretary)

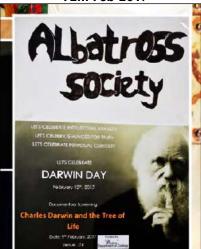


Ms. Bhoomi Singh (Proctor 3)

2022-23

## CO-CURRICULAR ACTIVITIES (2016-2017)

Darwin's day 12th Feb 2017 Workshop: It's in My genes: A **Molecular Biology Approach** March 14-15 2017











**Trip to Jim Corbett and Nainital** October 2016









Visit to IGIB 14th October 2016



**Quiz Competition** March 7-8, 2017



March Past, Sports Day 2016

## CO-CURRICULAR ACTIVITIES (2017-2018)

Inaugural Lecture by Prof. Shibnath Majumdar **September 22, 2017** 





Symposium 'Wanderers of Nature' March 12, 2018



Lecture workshop 'Ingenuity in **Biological Sciences'** January 11-12,, 2018



**Collage Making** Competition March 20 - 21, 2018



**Photography** Competition March 18, 2018



Darwin's Day

Lecture by Prof. M. Shakarad



Recreational Trip to Solange Valley, Hidimba Devi temple & Manikaran December 2017



**Science Fiction Plot Writing** Competition March 20 - 21, 2018



March Past, Spin- 2017



Trip to Biodiversity Park on March 08, 2018



Educational Trip to Zoo, Delhi **September 11, 2017** 

## CO-CURRICULAR ACTIVITIES (2018-2019)

Inaugural lecture by Dr. Kanchan Kaur on 'Breast Cancer Awareness. August 31, 2018



Teacher's Day September 05, 2018 ≡



Summer Immersion Program July 11-18, 2018



Darwin's Day
Face Painting Competition
February 12, 2019







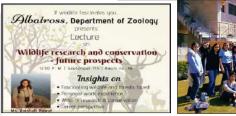
National Seminar March 14-16, 2019



Visit to Morgan Lab, Daulat Ram College February 23, 2019



Visit to NBRC February 28, 2018





Recreational Trip to Mahendrapur, Dehradun March 03, 2019



Campus Bird Count February 18, 2019



March Past, Spin 2019 February 28, 2018



Lecture - "Application of GIS technology to wildlife conservation" February 22,



Hands-on Workshop On Cell Biology February 26, 2019



Turncoat
Competition
March 06, 2019



SCINTILLATIONS 19. ©

2019

## CO-CURRICULAR ACTIVITIES (2019-2020)

Inaugural lecture by Dr Sushil K Jha August 23, 2019

ALBATROSS

the Zoological Society of Gargi College

presents its INAUGURAL LECTURE on the Topic

Sleep & Memory Consolidation

What, how & when?

by

DR. Swhil R. The

ASSOCIATE PROFESSOR OF

NEUROBIOLOGY

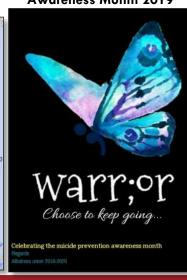
SCHOOL OF LIFE SCIENCES, JNU

AUGUST 23. 12PM. SEMINAR HALL

GARGI COLLEGE



Suicide Prevention
Awareness Month 2019



Doodle Competition October 23, 2019



Teacher's Day September 05, 2019



Poetry Competition September 11, 2019



Niti (Vice-President



Poster Making Competition On WORLD HEART DAY September 27, 2019



March Past, Spin - Sports Day 2019



Hands-On Workshop in Biological Techniques
December 13-14, 2019



Campus Bird Count February 17, 2020

## CO-CURRICULAR ACTIVITIES (2020-2021)

Inaugural lecture by Dr M Rizvi on Cancer: Disease and Drug Development January 29, 2021

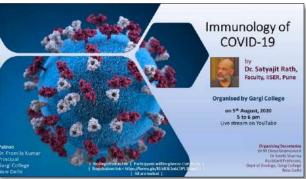
Cancer: Disease And Drug Development

Prof. Moshahid Alam Rizvi

Genome Biology Lab, Deptt. of Bioscience

Jamia Millia Islamia, New Delhi

Webinar on Immunology of Covid-19 Lecture by Dr Satyajit Rath August 05, 2020



Webinar
Entomology in Criminal
Investigation
August 22, 2020

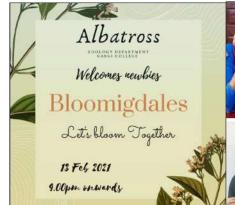


International Conference
"NeuroEunoia"
October 16-17, 2020



International Symposium "WISE" Women in Science Event February 11, 2021





Fresher's Welcome February 13, 2021



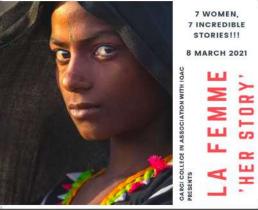
Darwin's day
Doodling Competition
February 12, 2021



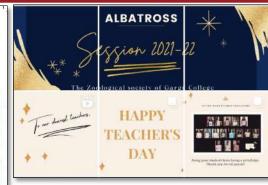
Interaction with Alumni February 26, 2021



Debate Competition March 05, 2021



Webinar on International Women's Day
La Femme 'Her Story
March 08, 2021



Teacher's Day September 05, 2021

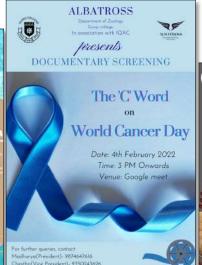
## CO-CURRICULAR ACTIVITIES (2021-2022)

Inaugural lecture by Prof. A.K. Pati October 06, 2021

**AlumConnect** October 31, 2021



**Documentary Screening on World Cancer Day** February 04, 2022



**Illustration Competition on** Darwin's Day February 12, 2022



**Journey to Destination** January 15, 2022



Postermania March 07, 2022

Albatross

Gargi College

presents

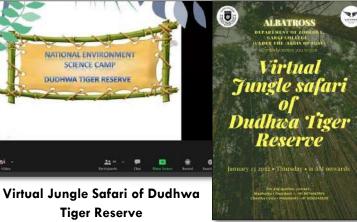
On the occasion of



**Article Writing** 



Teacher's Day **September 05, 2021** 



January 13, 2022





National Science Day celebration week 'Vigyan Sarvatra Pujyate' February 24, 2022

## ANNUAL MAGAZINE- FLIGHT

2018-2019

**Theme:** Treatise: Story of

FLIGHT

**Human Evolution** 

2017-2018

Theme: XXcellence in Science - Mapping the Maze



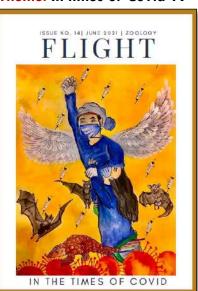
2019-2020

**Theme:** Fostering the Science



2020-2021

Theme: In times of Covid 19



2021-2022

**Theme: Diversitas: Viewing** 

**Biodiversity through different Lenses** 







## STUDENTS' ACHIEVEMENT (2016-2021)

#### **SIMRAN J SHARMA**

1st RANK in UNIVERSITY Meritorious Award (DU) 2016-2017

#### **KHUSHBOO CHOUDHARY**

**7<sup>TH</sup> RANK in UNIVERSITY** Meritorious Award (DU) 2017-2018



#### **SAGARIKA SHARMA**

Meritorious Award (DU) 2018-2019



#### PRABHLEEN KAUR

Meritorious Award (DU) 2018-2019



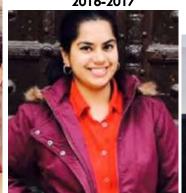
#### **DEBALINA CHATTERJEE**

Meritorious Award (DU) 2018-2019



#### **SHRUTI KHANNA**

V. Jamuna Memorial All Rounder Award, Gargi College 2016-2017



#### **ANWESHA DE**

**Sarah Thomas Memorial Award** (2020 - All Rounder Best Student Zoology, Gargi College





ANWESHA DE and MADHURYA RAY

National Merit Award-3rd Position All India for 'National Essay Championship Science Diplomacy of India International Science Festival (IISF-2020) Ministry of Science and Technology, Gol.



**GARIMA JAIN** 2<sup>nd</sup> RANK in UNIVERSITY Meritorious Award (DU) 2020-2021



**ANWESHA DE** 

Uttam Sewak Award (2020) -Best Student NSS, Gargi College



**AYUSHI GAHLO**1 Meritorious Award (DU)

2021-2022



**MADHURYA RAY** 

Meritorious Award (DU) 2021-22



**SEETA PRAJAPATI DBT INSPIRE FELLOW** 

https://drive.google.com/drive/folders/12W7TZJv2HZIQdKbGNf Vfi5U NgTXP7m

## STUDENT AWARDS/MEDALS FOR OUTSTANDING PERFORMANCE IN SPORTS/CULTURAL ACTIVITIES AT UNIVERSITY/STATE/NATIONAL/INTERNATIONAL LEVEL





1st Prize - Parliamentary Debate Competition, Women Development Cell, AND (University of Delhi), 2022.

3<sup>rd</sup> Prize - Shaheed Bhagat Singh Evening Political Science Department, TURNCOAT debate, 2022.

1st Prize - Zenith, Gargi College and Evam Monologuing marauders, Punjab University (JAM-2021).

3<sup>rd</sup> Prize - Extempore Competition in IIT BHU International Competition fest, 2021.

3rd Prize - National Speech Competition Ramanujan College, 2021.

2<sup>nd</sup> Prize - Open Mic Poetry Competition, Zenith, Gargi College and Punjab University, 2021.

SUVECCHA PANJA



3<sup>rd</sup> Prize - Video Making Competition, Microblaze'22, SRCASW, University of Delhi, Delhi, 2022.

3rd Prize - Anime quiz contest, Otaku Konekuto, PGDAV College, University of Delhi, Delhi, 2022





2<sup>nd</sup> Prize - Anusandhan, Gargi College, University of Delhi, 2021.

1st Prize - Scavenger Hunt Competition, Matharena '22 Pre-Event, Jesus & Mary College, University of Delhi, 2022.

3rd Prize - REVEL, Paper Presentation Event, Gargi College, University of Delhi, 2022.

3<sup>rd</sup> Prize - Chamber of Secrets (The Treasure Hunt), VEERANGANA 2022, Sri Aurobindo College, University of Delhi, 2022.

1st Prize - Article Writing Competition, DIVERSITAS, Gargi College, University of Delhi, 2022.

3rd Prize - CHEMAROMA, Paper Presentation Event, Gargi College, University of Delhi, 2022.

3<sup>rd</sup> Prize - Hunt in the House (The Treasure Hunt), Exponent'22, Sri Venkateswara College, University of Delhi, 2022

1st Prize - Hog D'Hogwarts, Mulya'22, Kirori Mal College, University of Delhi, Delhi, 2022.



## STUDENT AWARDS/MEDALS FOR OUTSTANDING PERFORMANCE IN SPORTS/CULTURAL ACTIVITIES AT UNIVERSITY/STATE/NATIONAL/INTERNATIONAL LEVEL





1st Prize - Scavenger Hunt Competition, Matharena '22 Pre Event, Jesus & Mary College, University of Delhi, 2022

3<sup>rd</sup> Prize - REVEL, Paper Presentation Event, Gargi College, University of Delhi, 2022

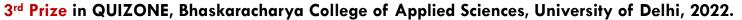
3<sup>rd</sup> Prize - Chamber of Secrets (The Treasure Hunt), VEERANGANA 2022 Sri Aurobindo College, University of Delhi

1st Prize - Article Writing Competition, DIVERSITAS, Gargi College, University of Delhi, 2022

3<sup>rd</sup> Prize - Hunt in the House (The Treasure Hunt), Exponent'22, Sri Venkateswara College, University of Delhi, 2022.

1st Prize - Hog D'Hogwarts, Mulya'22, Kirori Mal College, University of Delhi, 2022.

JANVI AGGARWAI



3<sup>rd</sup> Prize in THINK and LINK, Ramjas College, University of Delhi, 2022

1st Prize in Food Quiz, Gargi College, University of Delhi, 2022





3rd Prize - CHEMAROMA, Paper Presentation Event, Gargi College, University of Delhi, 2022.

**AARTI VENKATESAN** 

1st Prize - Shri Ram College of Commerce (SRCC) Debating Festival, University of Delhi, 2022.



## STUDENT PLACEMENT/INTERNSHIPS/SCHOLARSHIPS

#### **INTERNSHIPS**

15 students

Kanan Animal Welfare (Research & Outreach), Content Writing, Graphic Designing, Marketing & Finance, HR

#### **PLACEMENTS**

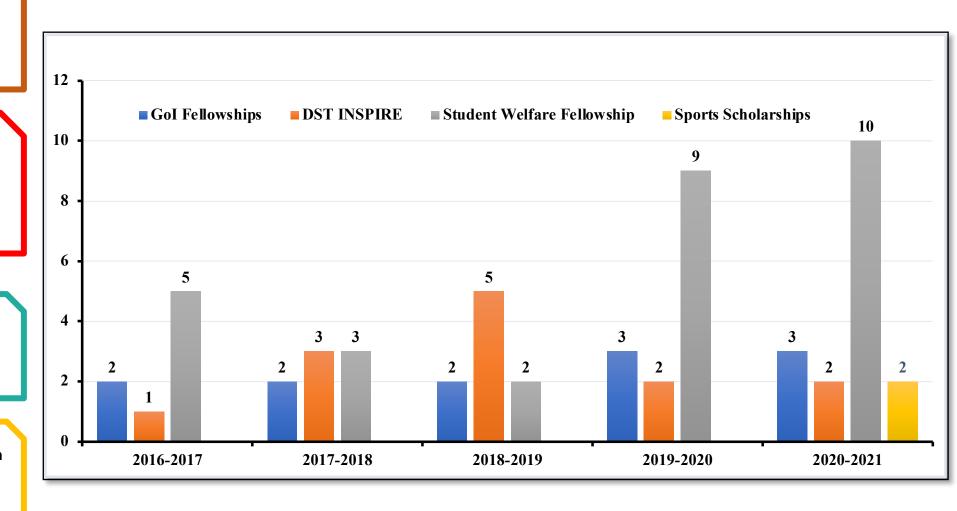
4 students
Becton Dickinson, LeaniQo, College
Dunia & Skuad as Graduate trainees,
Content Writers, Business
Development Associates

#### **WELFARE FUND**

29 students received scholarships from Student Welfare Fund, Gargi College

#### **SCHOLARSHIPS**

27 students received fellowships from INSPIRE Scheme, PMSSS, SHE-Inspire, Sports Scholarship etc.



## FEEDBACK (FROM STUDENTS)

	Departm	ent of	Zoolog	y		
	Students	Feedba		m		
This form has been designe environment and to improve confidential.	ed to seek feedbac	k from you	to strength			
Name of the Faculty Mer	mber:					
Name of the Paper:						
Course, Year and Semes	ter:					
Percentage of classes a	ttended by you:	0-20	20-40	40-60	60-80	80-100
2. Standard of tests and a	ssignments	High		Normal		asy
Comments (If, any)			- 6		-	
University?  4. Has the Teacher cove  5. Teacher helps stude readily available in	ered relevant top ent in providing the text books	study m	d Syllabus aterial whough e-res	? nich is no	Yes/No	
Has the Teacher cove     Teacher helps stude	ered relevant top ent in providing the text books books, open cours adents in rea	study m say throse wares e lizing th	d Syllabus aterial whough e-res	nich is no sources, e	Yes/No	
University?  4. Has the Teacher cove 5. Teacher helps stude readily available in journals, reference be 6. Teacher helps stud developmental needs 7. The evaluation proce 8. Teacher listens and 9.	ered relevant top ent in providing the text books ooks, open cours udents in rea ess is fair and u understands str	study m say throse wares e lizing the mbiased.	d Syllabus: aterial whough e-res ttc. eir stren	nich is no sources, e	Yes/No  Yes/No  Yes/No  Yes/No  Yes/No  Yes/No	
University?  4. Has the Teacher cove  5. Teacher helps stude readily available in journals, reference be  6. Teacher helps stu- developmental needs  7. The evaluation proce	ered relevant top ent in providing the text books ooks, open cours udents in rea ess is fair and u understands str	study m say throse wares e lizing the mbiased.	d Syllabus: aterial whough e-res ttc. eir stren	nich is no sources, e	Yes/No  Yes/No  Yes/No  Yes/No  Yes/No  Yes/No	
University? 4. Has the Teacher cove 5. Teacher helps stude readily available in 6. Teacher helps studevelopmental needs 7. The evaluation process. 8. Teacher listens and 9. Teacher checks during the student of the st	end relevant top ent in providing the text books ooks, open cours idents in rea ess is fair and usunderstands stu- ing class to se	study m say throse wares e lizing the mbiased.	d Syllabus: aterial whough e-res ttc. eir stren	nich is no sources, e	Yes/No  Yes/No  Yes/No  Yes/No  Yes/No	
University?  4. Has the Teacher cove 5. Teacher helps stude readily available in journals, reference be 6. Teacher helps studevelopmental needs 7. The evaluation proce 8. Teacher listens and 19. Teacher checks durimaterial.	ered relevant top ent in providing the text books ooks, open cours udents in rea ess is fair and u understands sta- ting class to se a terms of	study m say throse wares e elizing th nbiased.	d Syllabus: aterial whough e-res ttc. eir stren	nich is no sources, e	Yes/No  Yes/No  Yes/No  Yes/No  Yes/No	
University?  4. Has the Teacher cove 5. Teacher helps stude readily available in journals, reference br 6. Teacher helps studevelopmental needs 7. The evaluation proce 8. Teacher listens and 9. Teacher checks duri material. 10. Teacher Evaluation in a. REGULARITY	ered relevant top ent in providing the text books ooks, open cours udents in rea ess is fair and u understands sta- ting class to se a terms of	study m say throse wares e elizing th nbiased.	d Syllabus: aterial whough e-res ttc. eir stren	nich is no sources, e	Yes/No  Yes/No  Yes/No  Yes/No  Yes/No	
University?  4. Has the Teacher cove 5. Teacher helps stude readily available in 6. Teacher helps studewelopmental needs 7. The evaluation process.  5. Teacher listens and 19. Teacher listens and 19. Teacher checks durimaterial.  10. Teacher Evaluation in 6. REGULARITY How regular is your	ered relevant top ent in providing the text books ooks, open cours dents in real ess is fair and u understands string class to se in terms of teacher in the class in the class is fair and u understands string class to se	study m say throw say thro	d Syllabusia aterial whough e-restc. eir stren int of vievents unde	nich is no sources, e nigths and	Yes/No Yes/No Yes/No Yes/No Yes/No	
University?  4. Has the Teacher cove 5. Teacher helps stude readily available in journals, reference be 6. Teacher helps studevelopmental needs 7. The evaluation proce 8. Teacher listens and 9. Teacher checks durimaterial.  10. Teacher Evaluation in a. REGULARITY Hor regular is your Least/Seldom b. PUNCTUALITY	ered relevant top ent in providing the text books ooks, open cours dents in real ess is fair and u understands string class to se in terms of teacher in the class in the class is fair and u understands string class to se	study m say throw say thro	d Syllabusia aterial whough e-restc. eir stren int of vievents unde	nich is no sources, e nigths and	Yes/No Yes/No Yes/No Yes/No Yes/No	
University?  4. Has the Teacher cove 5. Teacher helps stude readily available in journals, reference be 6. Teacher helps stude developmental needs 7. The evaluation proce 8. Teacher listens and e 9. Teacher checks duri material. 10. Teacher Evaluation in a. REGULARITY How regulation b. PUNCTUALITY How punctual is the	ered relevant top ent in providing the text books ooks, open court dents in rea dents in text and stu teacher in the clas dents in vour cli dents i	study ms supported by say three sewares e lizing the inbiased. Indicate the supported by support	d Syllabus: aterial who will be rested. eir stren sint of vievents unde	onlich is not sources, e sources,	Yes/Not Yes/Not Yes/Not Yes/Not Yes/Not Yes/Not Pes/Not Pes/Not Pes/Not Pes/Not Pes/Not	

d. DISCIPLIN	E her able to ma	intain di	scipline i	n the clas	s?	Yes/No	
e. KNOWLEDO		0.2001-0100		A	100	100	
Least	1	2	3	4	5	Well Inform	ed
f. COMMUNIC	CATION oes the teach	o.				Leading	
Least	1	2	3	4	5	Excellent	_
Louist		_	*			Excendit	_
2. Your views a improvement.		ons abo	ut the	teacher c	or any oth	er suggestions	f
		ons abo	ut the	teacher c	or any oth	er suggestions	f
2. Your views a improvement		ons abou	ut the	teacher c	or any oth	er suggestions	
						er suggestions	f
improvement						er suggestions	f
improvement						er suggestions	f
improvement						er suggestions	f
improvement						er suggestions	
improvement						er suggestions	•
improvement				ourse/dej		er suggestions	• •

#### 6. DISCIPLINE Is the beacher able to maintain discipline in the class? NNOWLEDGE Gargi College Students Feedback Form Andemic Year 2018 2019 This first has been desired to seek feedback from you is storygen the custory of sadding larvest proviously and to improve the performance of the backers. The information provided by you will be east conference. Well Informed Name of the Faculty Hember: Wadhu Yashpai besnowful, Albractive, Enteractive mems (et amplan - Not be answered with examing, Environ proper encularly examplet Has the Teacher covered entire Syllabus as prescribed by Yes/No Need his suggestions for all by tasts both academic and non-academic beth accommended the suggestions for many Thank you so much many to short to All The evaluation process is fair and unblased. Teacher listens and understands students' point of view touch allowy 26. Teacher Evaluation in tarms of PERT CARACTY BOOGS in 100f textiler ATT (to Coopy) and lights of this paper? BOOGS in 100f textiler ATT (to Coopy) and lights of this paper? Complete Clarity Thank you! 5

	Students	dc Year 20:	0-2020			
This form has been de environment and to impo- confidential.	signed to seek feedba love the perfermance of	ock from you of the leader	to streng c. The info	hen the our marion provi	day of leach dad by you	ing-learnin will be kee
Name of the Faculty	Members for Routen	i liQueti				
Name of the Paper:	Nen-Grada	h		_		
Course, Year and Sen	naster: B.S. 1	4) Zoden	FIA	- Vega	T I- Sew	-1
. Percentage of class	es attended by your	0-20	20-40	40-60	66-85	80-160
2. Standard of tests ar	et andonemare	High		Normal	V	acy
		rege		~	-	_
Has the Teacher of	vered relevant top	ics beyond	Syllebus?		Yes/No	Tta.
Comments (If, any)  2. Has the Teache						
. Has the Teacher or						Tta.
<ol> <li>Teacher helps stu readily available journals, reference</li> </ol>	in the text books	way thros	igh e-res	ources, e-	Yes/No	Yes
<ul> <li>Teacher helps developmental nec</li> </ul>		lizing the	år stren	gthe and	Yes/No	Yes
7. The evaluation per	ocess is fair and u	nbissed.			Yes/No	Yes
i. Teacher listens an	d understands stu	dents' pei	at of view		Yes/No	Yes
. Teacher checks d material.	uring class to so	e if studen	its under	stand the	Yes/No	Yes
Teacher Evaluation	in terms of					
# REGULARITY * How regular is you	er seacher in the class	17				
Least/Seldom	1 2	3	4	5	Regular	
b. PUNCTUALITY		957		4.00		
How punctual is the				-	_	
How punctual is to Always Late	1 2	3	•	-	Punctual	
Always Late C CONTENT CLAR	1 2			>	Punctual	

Gargi College

emes late o	FEEDBACK FORM  of Teacher - Devinder Kozza.  - 16 sc. (1) Zeelagy steel  freedback - 1s - Nev - 2018  orate the teacher on the following attributes using the 4-point scale  Very Good  Good  Good  Satisfactory  Unsatisfactory  Unsatisfactory			Question. Please write below aspects of the teaching that have pleased you most and describe briefly why these aspects have pleased you.  Answer:  The append that pleased we the most in his way of teaching and managing the that in an expellent way. She conduct affices and invitation procured and class cold in that it becomes untreduced and easy to all please and the teaching.  Any parameter missing in feedback form and you left should have been included.
No.	Parameters A	В	CD	
	Knowledge base of the teacher as perceived by you			7455 7571 3 3.33
	Communication Skills (in terms of articulation and comprehensibility)	1		Any other comments. The is your fire in the life often the contain
Ş	Sincerity / Commitment of the teacher			a tobic than the very mut down the up questions on
	Interest generated by the teacher			the browing take so in that dien we also go
	Ability to integrate course material with environment/other issues to provide a broader perspective		V	proposed for the examp too!
	Ability to integrate content with other courses	V		
	Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	V		
	Ability to design quizzes /Tests /assignments / examinations and projects to evaluate students understanding of the course			
	Encourages and accepts different opinions			
).	Makes class interesting and meaningful to me,			
1.	Is well prepared and organized	1		
2	Grades fairly and is unbiased.			
3	Recognizes and acknowledges efforts.	V		
	Manages class so I can learn with few disruptions.	-		
5.	Encourages cooperation and participation.	7		
	Enforces rules fairly and consistently	1		
	Incorporates humor in lecture so lecture isn't very boring.	V	7 "-	
		1	1	
to a l			ele sino	

## FEEDBACK (FROM STUDENTS)

The syllabus is interesting and conveys to students a clear idea of the course content and the knowledge they will gain throughout the course

Strongly disagree

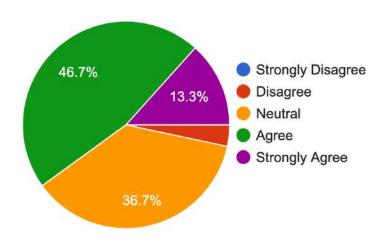
Disagree

Neutral

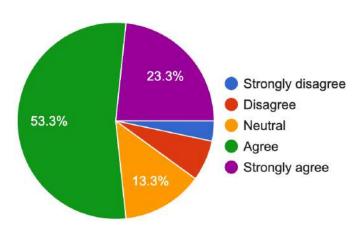
Agree

Strongly agree

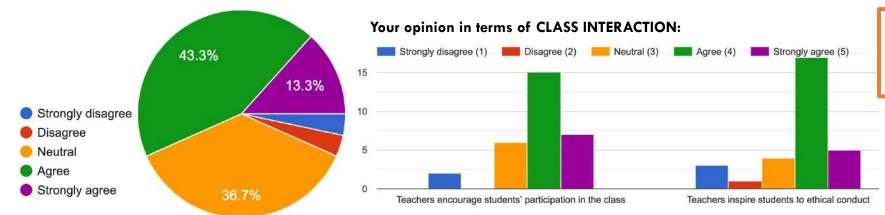
The allocation of the credits to the course is appropriate in relation to the level of course work.



The laboratory staff are having a clear understanding of their roles and responsibilities



The discipline-specific electives offered are relevant to academic career advancements.



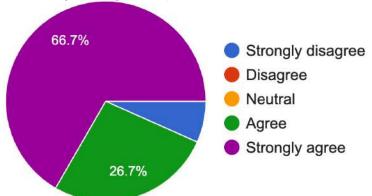
#### **SUGGESTIONS.....**

Publishing of at least one research paper during graduation should be made compulsory for students under mentors provided by the faculties only with proper guidance.

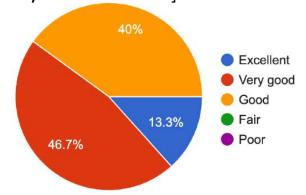
Tests should not be taken only during the internal assessment but from the starting of the semester itself so that they don't feel suddenly burdened and become familiarised with the curriculum.

## FEEDBACK (FROM TEACHERS)

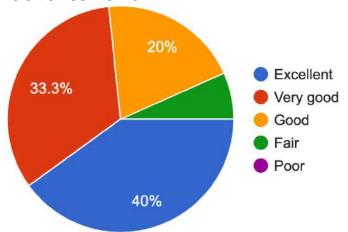
The teacher has the freedom to adopt new techniques/strategies of teaching (such as seminar presentations, group discussions and learners' participation).



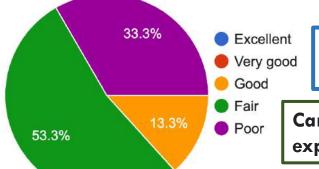
The support/resource provided by the department for teacher's development [like FDP, Workshop, Books, Conferences etc.] is



The content of the course is in terms of recent advancements.



The course/syllabus has a good balance between theory and application.



#### **SUGGESTIONS.....**

Interdisciplinary training programmes may be organised frequently for students because such collaborations help the evolution of ideas, develop critical thinking skills, heightens communication skills and provide more indepth perspectives. Additionally, Alumni meet may be organised so that current students can expand their horizons by interacting with the department's alumni.

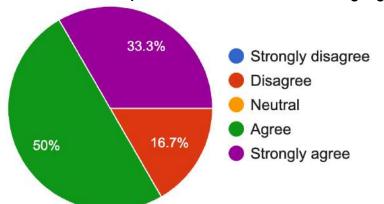
More industrial visits, lab visits and hand-on workshops to enhance students' skills and exposure

More student-centric lecture series and workshop should be conducted

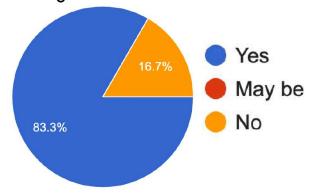
Can have more hands-on sessions for practical experience/applications of different papers

## FEEDBACK (FROM ALUMNI)

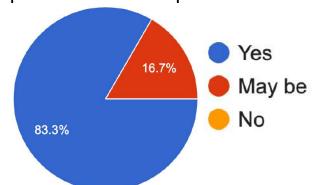
Department provides an effective platform to inculcate team spirit and a sense of belonging.



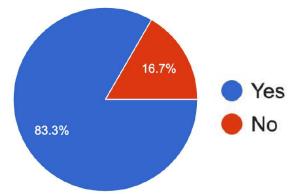
Do you think that department explored your talent & potential by providing an integrated learning environment



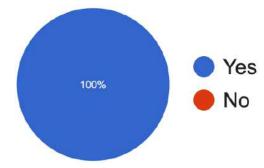
Have you obtained sufficient knowledge relevant to the course both in theory and in practicals at the Department?



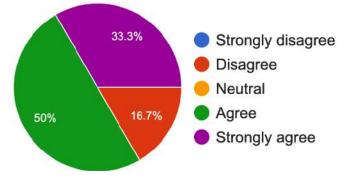
Has the college administration been helpful in case of educational dealings post your graduation? (Eg. in matters of issuance of documents etc.)



Do you feel that adequate knowledge/skill was gained during your course of study?

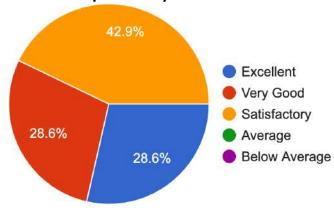


Department provides ample co-curricular opportunities for the holistic development of students.

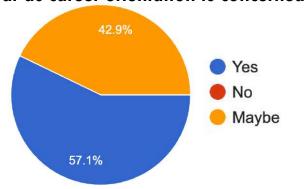


## FEEDBACK (FROM PARENTS)

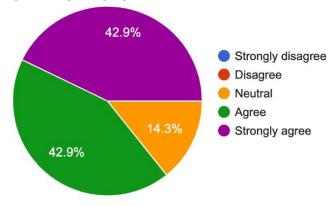
Do you think that the department's environment is conducive to the overall development of your ward?



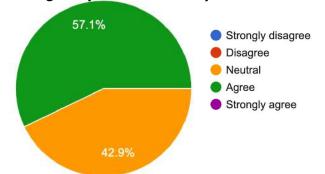
Is your ward given enough exposure as far as career orientation is concerned?



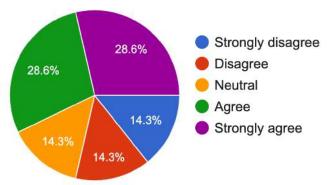
Are the faculty easily approachable regarding any queries?



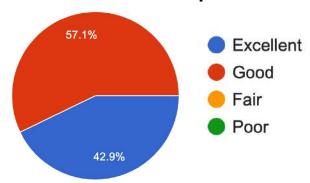
Are you satisfied with the communication (if any) at the department end regarding the regular performance of your ward?



Is the environment of the department congenial for the students to discuss their problems?



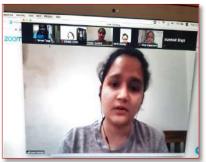
How would you rate the overall quality of academics in the department?



## **DURING COVID19 PANDEMIC**

**WE ADAPTED WELL TO THE LOCKDOWN!!!** 













#### **MENTORING**

Reached students to support them during the pandemic to help manage this crisis

#### **MOCK INTERVIEWS**

Helped students toward career advancements

#### **MS PRIYANKA**

Got Selected For Assistant Professor (Currently Posted at Raghunath Girls College Meerut)

#### **ONLINE WEBINARS**

hosted several virtual seminars to help students stay informed

#### **VIRTUAL FIELD VISITS**

Technology helped us to explore Virtual Field
Trips from the comfort of home

## DEPARTMENTAL ACTIVITIES

Teacher's Day, Freshers Welcome, Farewell, Student Union Election, Competitions and other events

## **DURING COVID19 PANDEMIC**

TRANSITION FROM OFFLINE TO ONLINE MODE!



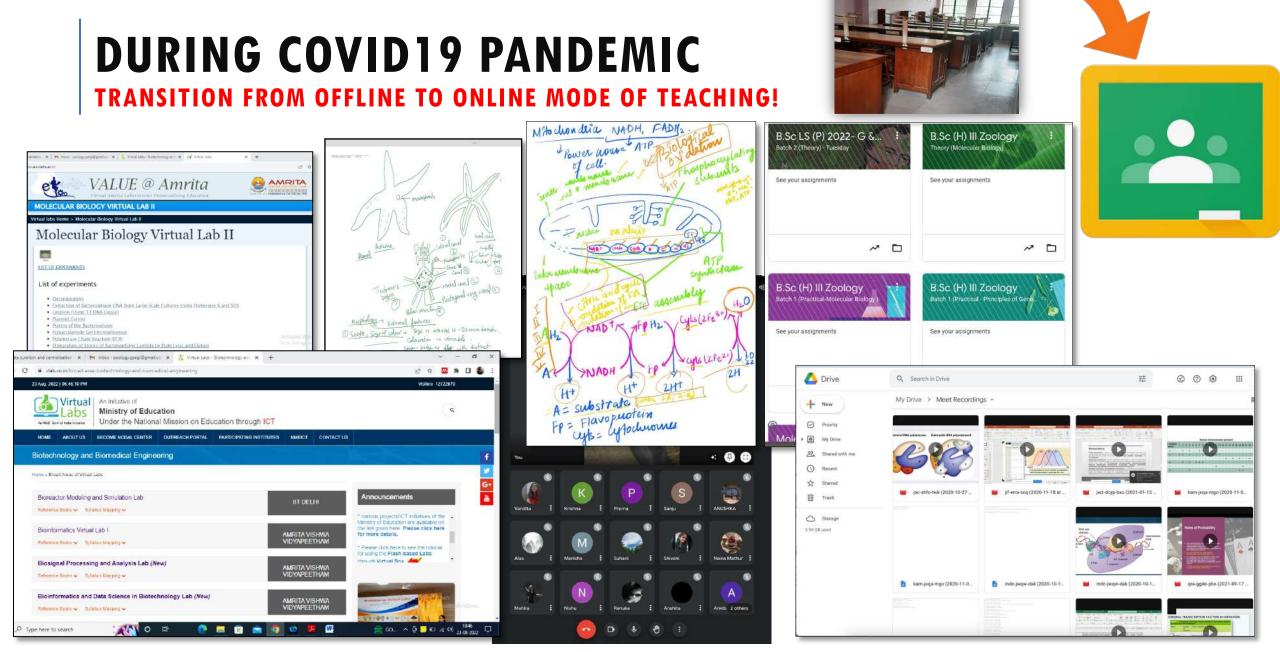








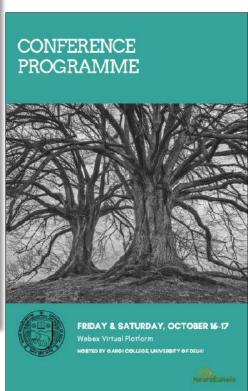


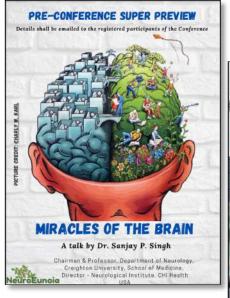


### International Conference: NEUROEUNOIA 2020: A Neuroscience Affair

NeuroEunoia









(16-17 October 2020)

#### REE REGISTRATIONS EXTENDED TILL 15 SEP 2020

SARANGI E-0CT - 17- 2020 1

SARANGI NAWAZ USTAD. SABIR KHAN

(JAIPUR GHARANA)

JOIN US FOR A LIVE SOULFUL SARANGI SESSION

E-CERTIFICATE 16-17 OCT 2020

Funded by:

Indian Academy of Neuroscience (Delhi Chapter)

**Advertised by:** 

International Brain Research Organization

Registrations: 733

**Attended by 250 Participants** 

**Posters Presented: 63** 

OCTOBER 2020

https://neuroeunoia.wordpress.com/



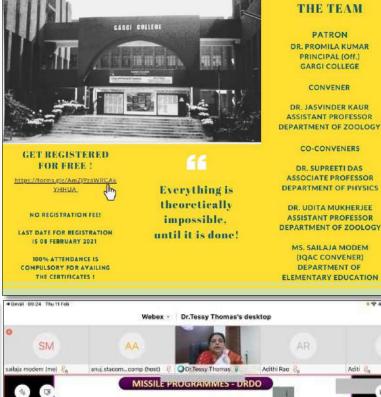


### **'WISE' Women in Science Event** (February 11, 2021)









ANTI BALLISTIC MISSILE DEFENCE

♦ Endo & Exo Atmospheric

Interception © C<sup>4</sup>I, Terminal Guidance

CRUISE MISSILES

SUMPACE TO AIR MISSILES

Ouick Reaction Interceptor

AIR TO AIR MISSILES

8 Unmute Start Video 1 Share

#### **PROGRAMME**

KEYNOTE ADDRESS BY CHIEF-GUEST

DR. TESSY THOMAS 09:00 AM - 09:45 AM

Distinguished Scientist & Director General Aeronautical Systems (AS) Defence Research and Development Organisation
"Anni Missile Project Director Anni-IV"

INAUGURAL LECTURE BY GUEST-OF-HONOR

PROF. GURCHARAN KAUR 09:45 AM - 10:30 AM

Professor | Department of Biotechnology Guru Nanak Dev University, Punjab



A wise woman can

predict the future.

because she creates it !!

#### **SCHEDULE**

DR. SMITA GOPINATH 10:30 AM - 11:15 AM

Assistant Professor I Department of Immunology and Infectious Disease Hervard T.H. Chan School of Public Health, United States

DR. NEELIMA MISHRA 11:30 AM - 12:15 PM

Scientist (6' | Science and Engineering Research Board Assistant Professor (Reader F) | DBT/Wellcome Trust India Alliance Fellow National Centre for Biological Sciences (NCBS). Pune

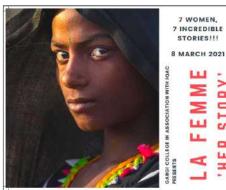
DR. DEEPA AGASHE 12:15 AM - 01:00 PM

Assistant Professor (Reader F) | DBT/Wellcome Trust India Alliance Fellow National Centre for Biological Sciences (NCBS), Pune

MS. ANU ACHARYA 01:30 PM - 02.15 PM

CEO I mapmygenome India Limited

## LA FEMME 'Her Story' Breaking Stereotypes (March 08, 2021)



MARFATIA

Apart from being felicitated

former President Pranab

bestowed swerat statutes

impactful and influencial women and represented t



BHAKTI SHARMA

















**Registrations: 300** 

**Attended by 150 Participants** 

### **DURING COVID19 PANDEMIC**

#### FEEDBACK FROM STUDENTS

Department of Zoology, for me, was a way of broadening my horizons in college, academically as well as socially. Even though the world did stop for a while in the wake of the pandemic, our department's constant efforts kept us motivated. ~Mugdha Sharma (Batch 2023)

Teachers provide ample guidance and moral support in terms of sharing different resources, both academic and co-curricular. Teachers were very understanding and acknowledged the mental health issues that we were facing during covid. ~Aarti Venkatesan (Batch 2023)

Teachers were a great support in Covid-19, and they were the ones who left no stone unturned to give their 100% in terms of teaching and constant guidance. Our teachers did each and every effort to make a conducive atmosphere of studying for the students in the online mode, be it by showing presentations and videos. ~Janvi (Batch 2023)

Being in a circle where your peers also possess great skills and abilities definitely helps you to find your best skill among all. I am really thankful to our respected teachers who managed to always help us during the pandemic and are now being even more supportive of a better future for us. ~Akriti Sharma (Batch 2023)

The use of various technology such as digital white boards, animations, videos, presentations, sharing PDFs, etc. by the teachers made online classes not only resemble in-person teachings but also aided in our understanding and grasping the complex concepts involved in the study of biology at the graduate level. ~ Sakshi Jha (Batch 2024)

The teachers were extremely helpful and flexible during the covid times and understood that everyone needs time to cope with the matter and they tried their best to transfer their knowledge to us virtually. I am just perfectly happy with my department. ~Tanisha (Batch 2021)

During covid, we could not go to physical classes and online class helped a lot in studies. Teachers are very nice and it's never exhausting. They illustrate the examples through videos, pictures, etc. even though in online class it's hard to sit for straight 6 hours in front of a screen. Teachers provide us with a window of 10 minutes to relax. ~Nikki Yadav (Batch 2024)

Covid took a toll on all of us, but our wonderful teachers made the transition much easier. We were allowed to view specimens through pictures as they are in the actual lab, and we were taught very well through a variety of various sources.

~Anika (Batch 2024)

## NEP COMPLIANCE/PREPAREDNESS

## INTERDISCIPLINARY TEACHING-LEARNING

WeGyanam

Student researchcentric platform

## SKILL-BASED CURRICULUM

Promote skill-based education & minimize rote-based learning e.g., Add-on Courses, Certificate Programs

## TECHNOLOGY USE & INTEGRATION

Enhance and Support Teaching-Learning (e.g. Blended Classrooms)

## LEARNING MANAGEMENT SYSTEM

Promote online collaborative groupings/discussions & provide different courses

#### RESEARCH

Promote Undergraduate Research



## We जानमः The Research Wing of Scintillation



### **Purpose**

Bring students of science from all disciplines to work towards the development of scientific temperament.



#### **Vision**

Create a platform for encouraging scientific rigor and inculcating a sense of curiosity towards it.



### **Approach**

An interdisciplinary approach that brings together students and teachers from different scientific fields to work towards one common aim, the enrichment of science.









Founding Members: Ms Divyanshi Chauha, Ms Smriti Verma, Ms Aarti Venkatesan, Ms Bisma Khan







## Inaugural

The inaugural lecture by Prof. Parvesh Bubber on "Overview of the Biotech Industry"



#### Certificate of Appreciation

#### Is presented to

#### GARGI COLLEGE, UNIVERSITY OF DELHI

For participating in the "MANAV Scientific Reading and Comprehension Self-Assessment Module (for students)", conducted by Project MANAV - The Human Atlas Initiative in September to October 2021.

The students from your College read and critically evaluated two scientific papers from peer reviewed journals from the field of Microbiology/ Biochemistry / Pharmacy.

They were able to self assess their skills in scientific comprehension of

- Research Design
- 2. Pictorial/Graphical Representation of Data
- 3. Statistical Analyses
- 4. Scientific text- Inference and Conclusion

This activity helped students take a step ahead towards honing their scientific temper, critical thinking skills and overall academic excellence.

We appreciate your efforts towards the facilitation of this program and look forward to your continued engagement with Project MANAV.

Best wishes,

Prof M. V. Krishna Sastry Project Co-Ordinator &

Principal Investigator, Scientist G, NCCS, Pune



Dr. Nagaraj Balasubramanian Principal Investigator, Associate Professor, IISER, Pune

Dr. Anamika Krishanpal Principal Investigator, Senior Domain Specialist, Persistent LABS, Pune





#### INTERDISCIPLINARY TEACHING-LEARNING



"Manay"

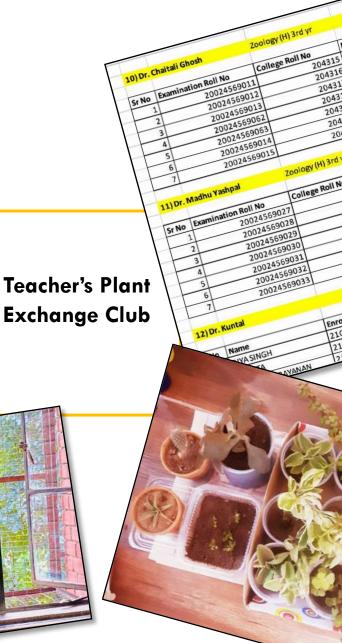
A Human Atlas Initiative Programme (DBT)

Aim: To create a unified database of a molecular network of all the tissues in the human body and to derive a holistic picture of the working of the human body.

Under Faculty Coordinator, Dr Poonam Sharma, more than 100 students from different disciplines Microbiology, Life Sciences, and Zoology) of Gargi College in the "MANAV Scientific participated Comprehension Self-Assessment Module".

## **BEST PRACTICES**

Suggestion Box for Students, Teachers and Laboratory Staff Student Mentoring and Support (Additional to Mentorship Program at College level)







- Dedicated & highly qualified faculty integrate experiential and innovative methodologies in the teaching-learning process.
- Museum more than 411 specimens; 300 Slides
- Library 50 Books
- Albatross the Zoological Society provides a platform for the students to hone their creative talents.
- Annual Magazine 'Flight' a platform for students to showcase their talent as writers and express themselves in a conglomeration.
- Encourage undergraduate research by encouraging participation in Add-on Courses, lecture series and hands-on workshops.

W

- Restricted space for laboratory and research work.
- Inadequate research funding. Develop more grant proposals and increase/establish funds available for research activities.



- Strengthening alumni interactions to provide mentorship and career guidance to our students.
- Introduce new skill-based and vocational certificate courses, along with the academic courses that would empower students.
- Explore more opportunities to establish collaborations with other departments in college/Research Institutes/Universities in keeping with the spirit of the NEP 2020.

C

• Undergraduate programmes generally involve intensive teaching. But, with the current stress on research, teachers and students find it challenging to assert the right balance between the two.

### **FUTURE PLANS**

