



# Miranda House

## UNIVERSITY OF DELHI

### Departmental Annual Report - 3

#### Departmental Activities: Curriculum and Beyond

**Department: Zoology**

**Academic Year: 2021-22**

#### Part A.1

**Students undertaking project work/field work/internship as part of experiential learning component of coursework**

**Programme: B.Sc (Hons) Zoology, CBCS**

**Semester: I, II, III, IV, V and VI**

**Course: Core papers, DSE and SEC**

**Course Code: 569**

S. NO.	Paper Name	UPC	SEM
1.	Non Chordates	32231101	I
2.	Perspectives in Ecology	32231102	I
3.	Non Chordates: Coelomates	32231201	II
4.	Diversity of Chordates	32231301	III
5.	Physiology: Controlling and Coordinating systems	32231302	III
6.	Medical Diagnostics	32233903	III
7.	Comparative anatomy of vertebrates	32231401	IV
8.	Apiculture	32233905	IV
9.	Animal Behaviour and Chronobiology DSE-2	32237901	V
10.	Developmental Biology	32231601	VI
11.	Wild Life Conservation and Management DSE-3	32237911	VI
12.	Animal Biotechnology DSE-4	32237903	VI

**Faculty: Dr. Nisha Vashishta, Dr. Rekha Kumari, Dr. Jyoti Arora, Dr. Monika Sharma, Dr. Simran Jit, Dr. Pooja Suman, Dr. Deepak Yadav, Dr. Yasha Yadav, Dr. Shivani Kumari, Ms. Saba Zulfiquar, Mr. Rohit Jamwal, and Dr. Deepika**



# Miranda House UNIVERSITY OF DELHI

## B.Sc (Hons) Zoology I year

STUDENT NAME	ENROLMENT NUMBER	EXAM ROLL NUMBER
AAYASHA	21MIRHBSZO000002	21047569001
ABHILASHA PAL	21MIRHBSZO000003	21047569002
ABIA MT	21MIRHBSZO000004	21047569003
ADITHYA ASHOKAN	21MIRHBSZO000005	21047569004
ADITI	21MIRHBSZO000006	21047569005
ADITI RANA	21MIRHBSZO000008	21047569006
AGRANI RANA	21MIRHBSZO000009	21047569007
ALINA RAZA MALIK	21MIRHBSZO000010	21047569008
ANKITA KULHAR	21MIRHBSZO000011	21047569009
ANSHUL BAUDH	21MIRHBSZO000012	21047569010
ANUPRERNA BIJARNI	21MIRHBSZO000014	21047569011
ANUSHKA PANWAR	21MIRHBSZO000015	21047569012
ARPITA SHARMA	21MIRHBSZO000016	21047569013
ASMITA DESWAL	21MIRHBSZO000018	21047569014
AVNI JAMBHOLKAR	21MIRHBSZO000019	21047569015
CHINKY KHANDLWA	21MIRHBSZO000020	21047569016
DEVIKA AVVADAKKAT	21MIRHBSZO000022	21047569017
FATHIMA FIDHA K P	21MIRHBSZO000023	21047569018
FATHIMA NASMIN KT	21MIRHBSZO000024	21047569019
FATHIMA NASRIN	21MIRHBSZO000025	21047569020
FATHIMA RASHA K C	21MIRHBSZO000026	21047569021
FIZA KHAN	21MIRHBSZO000027	21047569022
JANICE PULICKEN	21MIRHBSZO000028	21047569023
JHALAK HANS	21MIRHBSZO000029	21047569024
JYOTI	21MIRHBSZO000030	21047569025
KOMAL	21MIRHBSZO000032	21047569027
KOMAL	21MIRHBSZO000033	21047569028
KRITIKA SHARMA	21MIRHBSZO000034	21047569029
KUSUM LATA	21MIRHBSZO000035	21047569030
LIYA EDWIN	21MIRHBSZO000036	21047569031
M VARSHINI	21MIRHBSZO000037	21047569032
MALAVIKA V	21MIRHBSZO000038	21047569033
MEDHA SHREE	21MIRHBSZO000039	21047569034
MINERVA HUIREM	21MIRHBSZO000041	21047569035
MINU	21MIRHBSZO000042	21047569036
MUSKAN	21MIRHBSZO000043	21047569037
NAMRATA ARORA	21MIRHBSZO000044	21047569038
NEHA	21MIRHBSZO000046	21047569040
NEM THIAN SANG	21MIRHBSZO000047	21047569041
NIKITA	21MIRHBSZO000048	21047569042
NISHIKA	21MIRHBSZO000049	21047569043
POONAM	21MIRHBSZO000050	21047569044
PRAGYA	21MIRHBSZO000051	21047569045

PREETI	21MIRHBSZO000052	21047569046
PUSHKARINI ROHIDA	21MIRHBSZO000053	21047569047
RADHIKA SONI	21MIRHBSZO000054	21047569048
RAGHAVI PRAVIN SHI	21MIRHBSZO000055	21047569049
SAI KRISHNA J P	21MIRHBSZO000057	21047569050
SAKSHI	21MIRHBSZO000058	21047569051
SARITA	21MIRHBSZO000059	21047569052
SEEMA BISHNOI	21MIRHBSZO000060	21047569053
SHANU YADAV	21MIRHBSZO000061	21047569054
SHEETAL	21MIRHBSZO000062	21047569055
SIMRAN BHAT	21MIRHBSZO000063	21047569056
SNEHA	21MIRHBSZO000064	21047569057
SREELAKSHMI C P	21MIRHBSZO000066	21047569059
SUMAN	21MIRHBSZO000067	21047569060
SWATHI KRISHNA	21MIRHBSZO000068	21047569061
SWEETY MEHTA	21MIRHBSZO000069	21047569062
SWETHA M	21MIRHBSZO000070	21047569063
THANVEERA T S	21MIRHBSZO000071	21047569064
TITIKSHA SHARMA	21MIRHBSZO000076	21047569065
VEDAANTI SUNIL BH	21MIRHBSZO000075	21047569066
AARJU	21MIRHBSZO000001	21047569067



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### B.Sc (Hons) Zoology II year

ANJALI P NAIR	20MIRHBSZO0000001	20047569001
ARCHANA HIJAM	20MIRHBSZO0000005	20047569003
DEBOJANI NARZARY	20MIRHBSZO0000008	20047569006
FAIHA SHAJI	20MIRHBSZO0000010	20047569007
HANNA JOBY	20MIRHBSZO0000011	20047569008
KAVYASREE K	20MIRHBSZO0000012	20047569009
KHUSHI MAHAJAN	20MIRHBSZO0000014	20047569010
KHUSHI SONI	20MIRHBSZO0000013	20047569011
MANASWINI BEHERA	20MIRHBSZO0000015	20047569012
MANISHA YADAV	20MIRHBSZO0000016	20047569013
NANDHANA K	20MIRHBSZO0000017	20047569014
RIYA	20MIRHBSZO0000026	20047569020
SAKSHI	ERN20047569022	20047569022
SAMRIDDHI SINGH	20MIRHBSZO0000029	20047569023
SARITA	20MIRHBSZO0000030	20047569024
SHAHNA MUMTHAS	20MIRHBSZO0000031	20047569025
SHRIYA BHAT	20MIRHBSZO0000033	20047569026
SONAM LHAZOM	20MIRHBSZO0000034	20047569027
SRUTI SINGHA MAHAPATRA	20MIRHBSZO0000035	20047569028
SUSHMA YADAV	20MIRHBSZO0000037	20047569030
TANNU YADAV	20MIRHBSZO0000038	20047569031
TANU CHAUDHARY	20MIRHBSZO0000039	20047569032
UDITA CHAUHAN	20MIRHBSZO0000040	20047569033
UNNATI SINGH	ERN20047569034	20047569034
ANKITA	ERN20047569036	20047569036
RACHNA BISHT	20MIRHBSZO0000024	20047569040
SHAIK RAFINA	ERN20047569041	20047569041





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## B.Sc (Hons) Zoology III year

AMITA SINGH	19MIRHBSZO000001	19047569001
ANAMIKA YADAV	19MIRHBSZO000002	19047569002
ANMOL	19MIRHBSZO000004	19047569004
ANNIE JIMMY	19MIRHBSZO000005	19047569005
ATHEENA ABHAYAKUMA	19MIRHBSZO000006	19047569006
BATHULA SREEJA	19MIRHBSZO000007	19047569007
KM DAKSHTA TIWARI	19MIRHBSZO000008	19047569008
DEEPIKA YADAV	19MIRHBSZO000009	19047569009
EKAGRATA VATS	19MIRHBSZO000010	19047569010
GEETIKA	19MIRHBSZO000011	19047569011
JYOTI PRAJAPATI	19MIRHBSZO000012	19047569012
KAMAKSHI SINGH	19MIRHBSZO000013	19047569013
KRITIKA	19MIRHBSZO000014	19047569014
LALRINLIANI	19MIRHBSZO000015	19047569015
LAMABAM DIPIKA DEVI	19MIRHBSZO000016	19047569016
MANVI	19MIRHBSZO000017	19047569017
NADRA FATHIMA	19MIRHBSZO000019	19047569019
NIDHI YADAV	19MIRHBSZO000020	19047569020
NIHARIKA RAINA	19MIRHBSZO000021	19047569021
NIKITA CHAUHAN	19MIRHBSZO000022	19047569022
NISHA BHATI	19MIRHBSZO000023	19047569023
POOJA	19MIRHBSZO000026	19047569025
POOJA SHAKYA	19MIRHBSZO000027	19047569026
POULAMI MONDAL	19MIRHBSZO000029	19047569028
PREETI	19MIRHBSZO000030	19047569029
PRIYANKA SHANKAR	ERN19047569030	19047569030
RITIKA MUKHERJI	19MIRHBSZO000032	19047569031
SAMRIDHI	19MIRHBSZO000034	19047569032
SANGEETHA P	19MIRHBSZO000035	19047569033
SHIVANI PANDITA	19MIRHBSZO000036	19047569034
SHRIJITA SIKDAR	19MIRHBSZO000037	19047569035
SILVIYA	19MIRHBSZO000038	19047569036
SRISHTI KASAR	19MIRHBSZO000040	19047569038
SWATHI B. CHOUDHARY	19MIRHBSZO000042	19047569039
TANNU	19MIRHBSZO000043	19047569040
TANYA	19MIRHBSZO000044	19047569041
TEJASWINI PATNAIK	19MIRHBSZO000045	19047569042
VANSHIKA BHAT	19MIRHBSZO000046	19047569043
VIDHI SINGH	19MIRHBSZO000047	19047569044
YUKTIKA PANDYA	19MIRHBSZO000048	19047569045



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### Part A.2

**Students undertaking project work/field work/internship (beyond the requirements of coursework)**

**Students undertaking project work/field work/internship (beyond the requirements of coursework)**

Following students participated in the 6- weeks long DSKC Summer Workshop 2020-21

Total Students- 42

#### **Group 1:**

**Title of the Project: Effect of medicinal plant extracts on *Drosophila melanogaster***

Mentors: Dr. Nisha Vashishta, Dr. Pooja Suman, Dr. Yasha Yadav

Students' Names:

1. Ananya Singh, Kirori Mal College
2. Samayra Sharma, Ramjas College
3. Mansi Wadhwa, Ramjas College
4. Priyansi Sharma, Miranda House
5. Minakshi Sharma, Miranda House
6. Nitika, Miranda House
7. Pritha Yadav, Miranda House
8. Shashi Dev Pal, Miranda House
9. Dia Kakkar, Miranda House
10. Harshita Kapoor, Miranda House
11. Khushi Porwal, Miranda House
12. Shaik Rafina, Miranda House
13. Aastha Kumari, Miranda House
14. Garima Ruhella, Miranda House
15. Pragya, Miranda House

#### **Group 2:**

**Title of the Projects**

**1. In silico mining of late stage expressed PE/PE\_PGRS family proteins of Mtb for Calcium bindings domains**

**2. Identifying the SARS- CoV-2 proteins as superantigens**

**3. In silico analysis of PE/PE\_PGRS/PPE family proteins of Mtb for mitochondria targeting sequence**

Mentors: Prof. Sadhna Sharma and Dr. Monika Sharma

1. Name: Sreetama Bhaduri

Institute: Indian Institute of Science Education and Research, Kolkata

Project Title: In silico mining of late stage expressed PE/PE\_PGRS family proteins of Mtb for Calcium bindings domains.

2. Name: Ketki Bhatia

Institute: Ramjas College, University of Delhi

Project Title: Identifying the SARS- CoV-2 proteins as superantigens.

3. Name: Simran



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Institute: Ramjas College, University of Delhi

Project Title: Identifying the SARS- CoV-2 proteins as superantigens.

4. Name: Many Vashishtha

Institution: Miranda House, University of Delhi

Project title: Insilico analysis of PE/PE\_PGRS/PPE family proteins of Mtb for mitochondria targeting sequence.

5.Name: Sindhu Khanna

Institution: Miranda House, University of Delhi

Project title: Insilico analysis of PE/PE\_PGRS/PPE family proteins of Mtb for mitochondria targeting sequence

6. Shikha Kadyan

Institute: Miranda House, University of Delhi

Project Title: In silico mining of late stage expressed PE/PE\_PGRS family proteins of Mtb for Calcium bindings domains.

### Group 3:

**Title of the Project: Amplification, cloning and expression of a plant virus gene**

Mentors: Dr. Rohit Jamwal and Ms. Saba Zulfiquar

Students' Names:

1. Sakshi Lalwani, Daulat Ram College
2. Netra Ghuratia, Daulat Ram College
3. Jasleen Kaur, Daulat Ram College
4. Srishti Satija, Hansraj College
5. Harsh Vardhan, Hansraj College
6. Ifrah Sadaf, Hansraj College
7. Nishaka, Kalindi College
8. Sana Khan, Miranda House
9. Namita, Miranda House
10. Ananya, Miranda House
11. Hiba Pharveen, Miranda House
12. Ambili PT, Miranda House
13. Neha Bagri, Ramjas College
14. Khushboo Nangia, SGTB Khalsa College
15. Shrishti Srivastav, SGTB Khalsa College
16. Annu Sharma, Miranda House

### Group 4:

**Title of the Project: Understanding the role of human gut microbiome: a systematic review**

Mentors: Dr. Rekha Kumari

Students' Names:

1. Shubhangi Sharma, Miranda House
2. Idrees Qadir, Ramjas college



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### **Group 5:**

**Title of the Project: Assessment of Heavy Metal load in Yamuna River at Wazirabad site with using Atomic Absorption Spectroscopy.**

Mentors: Dr. Deepak and Dr. Shivani Kumari

Students' Names:

1. Ashita Johri (Miranda House 1st year 2 nd semester)
2. Anushka Meena (Miranda House 1 st year 2 nd semester)
3. Manjari Pandey (Shri Guru Tegh Bahadur Khalsa College 2 nd year)