



# Miranda House

## UNIVERSITY OF DELHI

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### Departmental Annual Report - 3

#### Departmental Activities: Curriculum and Beyond

**Department:** Zoology

**Year:** 2019-20

#### Department Society and its Office Bearers:

Zoology Society, Synapse organizes various seminars, Symposium and workshops to create an holistic environment of learning beyond classrooms. Activities also include arranging Fresher's Welcome, Student Excursion, Bridge courses and Farewell party. Zoology Society released Department magazine 'Evolvere' that embodies the creative expression from students and teachers.

#### Office Bearers for 2019-20:

President	Vice President	General Secretary	Treasurer	Editors	Co-Editors	Event Manager
Apoorva Atri	Srijan Singh	Ayushi Das	Nandini Wadhwa	Devanshee Prakash and Era Stuti Sharma	Khushi Srivastava and Haripriya Malviya	Muskan Yadav and Shehjar Kaul Sahib

#### Staff Advisors:

**Dr. Simran Jit**

**Dr. Yasha Yadav**



# Miranda House UNIVERSITY OF DELHI

## Seminars/conferences/workshops conducted by the Department

The **DBT CTEP** sponsored **DBT Biotechnology Popularization** was organized on **02 August, 2019**. The program highlighted various thrust areas of biotechnology like Medical, Animal and Pharmaceutical biotechnology, Bioengineering and Biomedical Devices. Some of notable speakers for this year's course included **Dr. Tavpritesh Sethi, IIT, Delhi; Dr. Anuj Sharma, Technical Officer – Antimicrobial Resistance; Health Laboratories, WHO.**

<b>Programme</b> <b>Registration</b> 8:30 am - 9:30 am <b>Inauguration</b> 9:30 am - 9:40 am Inaugural and Welcome Note Dr. Bijaylaxmi Nanda, Acting Principal, Miranda House <b>Parallel Session I:</b> Robotics: The Future of Biotechnology 9:40 am - 12:30 pm Workshop: Use of Arduino and IOT in making biomedical devices Dr. Mallika Verma and Dr. Monika Sharma, Department of Physics, Miranda House <b>Parallel Session II:</b> Understanding one of the Major Healthcare Challenges of Today 9:40 am - 12:30 pm Antimicrobial Resistance Online Games (AMR Games) Dr. Anshu Bhargava, CRI France & IMTECH, Chandigarh <b>Session III: (Luncheon)</b> 12:30 - 2:00 pm Poster presentation: Contemporary Biotechnology <b>Session III: Biotechnology Applications</b> 2:00 - 3:00 pm Special Lecture: Machine Learning Modeling for Medicine and Biology Dr. Tavpritesh Sethi, Indian Institute of Information Technology, Delhi 3:00 - 4:00 pm Special Lecture: AMR- Major Challenge in Healthcare Sector Dr. Anuj Sharma, Technical Officer - Antimicrobial Resistance, Health Laboratories, WHO 4:00 - 4:10 pm <b>Concluding Remarks</b> Dr. Anshu Bhargava, Department of Botany, Miranda House 4:10 - 4:40 pm Feedback	<b>Organizing Committee</b> <b>Patron</b> Dr. Bijaylaxmi Nanda Acting Principal, Miranda House Dr. Janki Subramanyam Burvar, Miranda House <b>Coordinator</b> Dr. Sadhana Sharma Department of Zoology, Miranda House <b>Co- Coordinators</b> Dr. Mallika Verma Department of Physics, Miranda House Dr. Monika Sharma Department of Zoology, Miranda House Dr. Sahni Bahri Department of Botany, Miranda House Dr. Mallika Pathak Department of Chemistry, Miranda House <b>Advisory Committee</b> Dr. Anshu Bhargava CRI France & IMTECH Chandigarh Prof. Y. Singh Department of Zoology University of Delhi Prof. K. Natarajan Dr. BR Anandkar Center for Biomedical Research University of Delhi	<b>MIRANDA HOUSE</b> University of Delhi  <b>DBT- Biotechnology Popularization Programme</b> 2 August, 2019  Organized By Miranda House DBT Star Departments Physics, Chemistry, Botany, Zoology University of Delhi
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<b>Objectives and Scope of Programme</b> Activities involving hands-on workshops and online games make programmes to popularize Science in general and Biotechnology in particular interesting. We have chosen Robotics in Biotechnology and Antimicrobial Resistance Awareness as two important aspects in these activities.	<b>Focus Area</b> Robotics being the future of biotechnology can easily be understood using simple open platforms like Arduino and IOT. Arduino UNO, being a tool of infinite applications serves a great purpose in the field of Biotechnology. Sensors are combined with small tools to create many projects that use Arduino UNO to process the information. The workshop enables young minds to learn sensor based applications and to create something of wider applicability. The participants are encouraged to create something that can be used in daily life. Using simple sensors like ultrasonic sensors or infrared sensors, students came up with interesting ideas like blind stick (a stick that can be used by blind people to detect object in front of them), automation systems (to provide energy efficiency in the workplace), sensor based indicators, etc. The ideas are inter-disciplinary and innovative.	<b>ABOUT MIRANDA HOUSE</b> A premier women's institution at the University of Delhi, Miranda House is renowned for the quality of its science teaching and has been NIEFT rank one institute for science education in the country for three consecutive years 2017-2019. Offering a full range of B.Sc. Honours, M.Sc. and Ph.D. programs in basic sciences, the state of the art infrastructure at Miranda House makes it one of its kind in the University. <b>DS Kothari Central Inter-disciplinary Research Facility (DSK)</b> Miranda House promotes creativity and excellence in science through DSK with special focus on attracting young students to careers in science and nurturing their innate talent. DSK mission is: • activity-based science teaching-learning programmes • research in science education • capacity building and nurture programmes • outreach programmes The research facility in college has developed educational resources, innovative curricular materials and pedagogic instruments. It has developed research-based programmes for providing the highest quality Continuing Professional Development for those involved in science education, at all levels. The popularization programme deals with various thrust areas of biotechnology like Medical, Animal and Pharmaceutical biotechnology, Bioengineering and Biomedical Devices. The workshop, online games, poster presentation and expert talk organized on these themes provide a platform to students to enhance and update their concepts of biotechnology.
<b>Free Registration</b> Registration Link <a href="https://forms.gle/q2D86x0NHZKL9ws5">https://forms.gle/q2D86x0NHZKL9ws5</a> <b>Guidelines: Poster Presentation</b> Poster Size: 80 cm width and 100 cm height An abstract with word limit of 250 words in Times New Roman Format, Font size 12 should be submitted latest by 29 July 2019 to Email: dsk2008.miranda@gmail.com <b>Top Three Posters in each stream (Life Sciences, Chemical Sciences and Physical Sciences) will be given cash awards of Rs. 5000, Rs. 3000 and Rs. 2000 each</b>	<b>Venue</b> Seminar Hall, Miranda House University of Delhi, Delhi-110007 Contact details : Email: dsk2008.miranda@gmail.com	

The workshops, online games, poster presentation and expert talk organized were on Robotics in Biotechnology and Antimicrobial Resistance Awareness. These themes provided a platform to students to enhance and update their concepts about these relevant fields.

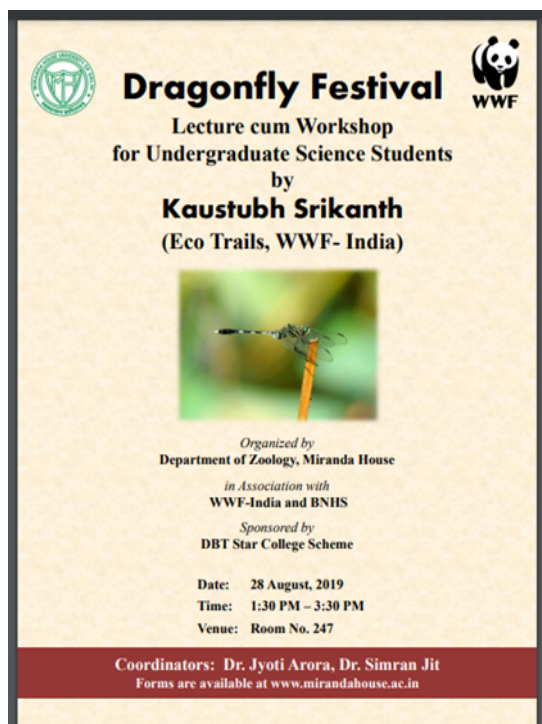
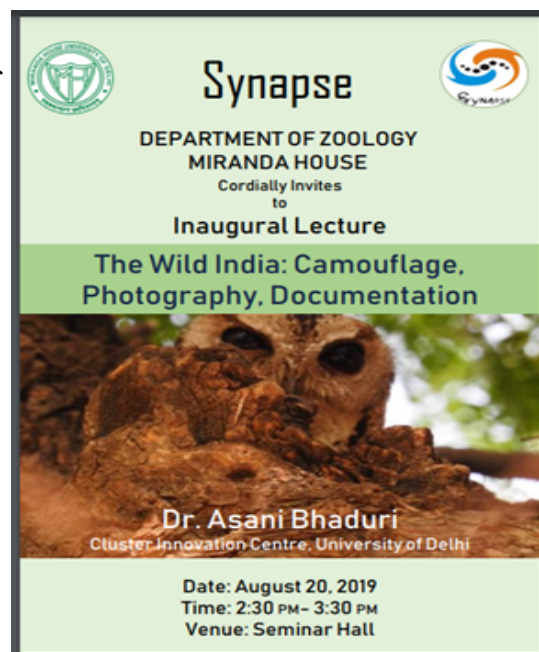
Participants-200



# Miranda House UNIVERSITY OF DELHI

The Academic Year 2019-2020 for the Zoology Department of Miranda House started with an extremely informative **Inaugural Lecture by Dr. Asani Bhaduri from Cluster Innovation Center, University of Delhi on 20 August, 2019.** He delivered an engaging and intuitive talk on **The Wild India: Camouflage, Photography and Documentation.** He talked about the adaptations and camouflage that the Fauna utilize to blend in their environment, increasing their chances of survival and finding a prey, through pictures and photographs of Indian Wildlife.

Participants- 115



The **Zoology Society** in association with **WWF-India** and **BHNS** sponsored by **DBT Star College Scheme** organized, **The Dragonfly Festival, Lecture-cum Workshop for Undergraduate Science Students by Mr. Kaustubh Srikanth, Eco Trails, WWF- India, on 28 August, 2019.** Mr. Kaustubh Srikanth, helped students to identify common Odonates of Delhi, role played by them in the ecosystem. The dragonfly educators from WWF informed students about the ecological role played by these insects as a natural pest control agents of mosquitoes as well as mosquito larvae.

Participants-70




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A **Departmental Colloquium** on *Menstrual Hygiene* by **Ms. Sonal Badkur, Toshitaa Transformations Pvt.** was organized by Zoology Society on **5th September, 2019**.

This Intuitive talk followed by an interactive discussion related to menstrual hygiene and disposal of sanitary napkins using incinerators.

Participants-34



 **DBT Star College Scheme**  
Department of Zoology  
Miranda House



**Science Communication and Career Workshop**  
(Nature India in partnership with Wellcome Trust/DBT India Alliance)

9 September, 2019  
9:30 AM-4:30 PM  
Room No. 247

Session I	
<b>Science Writing</b>	<b>Subhra Priyadarshini</b> Chief Editor, Nature India
Session II	
<b>Scientific Communication</b>	<b>Dr. Sarah Iqbal</b> Public Engagement Officer, India Alliance
Session III	
<b>Careers in Science</b>	<b>Sonia Sharma</b> Institutional and Corporate Partnerships Manager, Nature Research

**Coordinators:** Dr. Jyoti Arora, Dr. Simran Jit  
**Organizing Secretary:** Dr. Yasha Yadav

Details are available at [www.mirandahouse.ac.in](http://www.mirandahouse.ac.in)  
Register at <https://forms.gle/jhSJuCCm4m8f1nLX7>  
Submit Registration Fee of Rs. 200/- at Department of Zoology, Miranda House  
Last date: 5 September, 2019. Limited seats only!  
Participants are required to bring their own laptops

The Department of Zoology organized a **Science Communication and Career Workshop** in association with Nature India and Wellcome Trust/DBT India Alliance sponsored by DBT Star College Scheme on **09 September, 2019** at Department of Zoology, Miranda House, University of Delhi. Resource persons for the workshop included **Subhra Priyadarshini**, Chief Editor, Nature India; **Dr. Sarah Iqbal**, Public Engagement Officer, India Alliance and **Sonia Sharma** Institutional and corporate partnerships Manager, Nature Research. The workshop included sessions on popular science writing, presentation skills, science journalism, ethics in research, social media for budding scientists and careers in science. The workshop concluded with the launch of Nature India. Photo Exhibition projecting winning photo entries on diverse scientific themes. This one-day workshop was designed to equip young science students or researchers with tools and strategies for effective writing and communication skills from a science communication perspective.



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## Participants-45



Yasha Yadav <beingyasha16@gmail.com>

### Fwd: Science writing workshop

Jyoti Arora <jyoti.arora@mirandahouse.ac.in> Thu, Aug 29, 2019 at 12:20 PM  
To: Simranjit Luthra <simranjit@mirandahouse.ac.in>, Yasha Yadav <beingyasha16@gmail.com>

----- Forwarded message -----

From: Subhra Priyadarshini <s.priyadarshini@nature.com>  
Date: Wed, 28 Aug 2019 at 18:55  
Subject: RE: Science writing workshop  
To: jyoti.arora@mirandahouse.ac.in <jyoti.arora@mirandahouse.ac.in>  
Cc: Sarah Iqbal (sarahiqbal@indiaalliance.org) <sarahiqbal@indiaalliance.org>, Sonia Sharma <Sonia.Sharma@nature.com>

Dear Jyoti,

As promised, please find attached the concept note and a tentative programme schedule for the workshop. Dr Sarah Iqbal will confirm her dates tomorrow.

We look forward to the session!

Best wishes

Subhra

Subhra Priyadarshini

Chief Editor, Nature India

Nature Research

t: 011-48755813

e: s.priyadarshini@nature.com

ww: <http://www.natureasia.com/en/nindia/>

Springer Nature

11<sup>th</sup> Floor, Vijaya Building,

Barakhamba Road

New Delhi, 110 001

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**Medical Biotechnology Add On Course  
SECOND MEDICAL BIOTECHNOLOGY COLLOQUIUM  
TAILORING MEDICAL TREATMENTS**

16 October, 2019  
New Seminar Hall  
Organized by  
Department of Zoology  
Miranda House, University of Delhi

**PROGRAM**

9:30 AM-10:00 AM	<b>REGISTRATION</b>
10:00 AM-11:00 AM	<i>Reconstituted Viral Envelopes</i> <b>Dr. Debi P Sarkar</b> , FNASe, FNA, FASc Shanti Swarup Bhatnagar Awardee Department of Biochemistry, University of Delhi South Campus
11:00 AM-11:30 AM	<b>TEA</b>
11:30 AM-12:30 PM	<i>Precision Medicine in the Personalized era</i> <b>Dr. Debojyoti Chakraborty</b> Senior Scientist, RNA Biology group CSIR-IGIB, Mathura Road
12:30 PM-1:30 PM	<b>LUNCH</b>
1:30 PM-4:00 PM	<b>CADD: Lecture cum Workshop</b> <b>Dr. N. Latha</b> Coordinator, Bioinformatics Centre Department of Biochemistry, Sri Venkateswara College, University of Delhi

**REGISTRATION DEADLINE:** 14 October, 2019  
**REGISTRATION FEE:** Rs. 200 (To be submitted along with the registration form in the Department of Zoology)  
Students are required to bring their laptops for the workshop.

**Coordinators:** Dr. Rekha Kumari, Dr. Simran Jit, Department of Zoology, MH

FORMS ARE AVAILABLE AT <http://www.mirandahouse.ac.in/>

The Add on Course Medical Biotechnology organized the **Second Medical Biotechnology Colloquium Tailoring Medical Treatments on 16 October, 2019**. The Colloquium for undergraduate science students across all streams commenced with the inaugural lecture by Prof. Debi P Sarkar, Shanti Swarup Bhatnagar Award 1998, FNA, FNASc on Reconstituted Viral Envelopes. Thereafter, Dr. Debojyoti Chakraborty, IGIB talked about the Precision Medicine in the Personalized era. A hand-on workshop for students on Computer Assisted Drug Designing (CADD) was also conducted.

## Participants-36

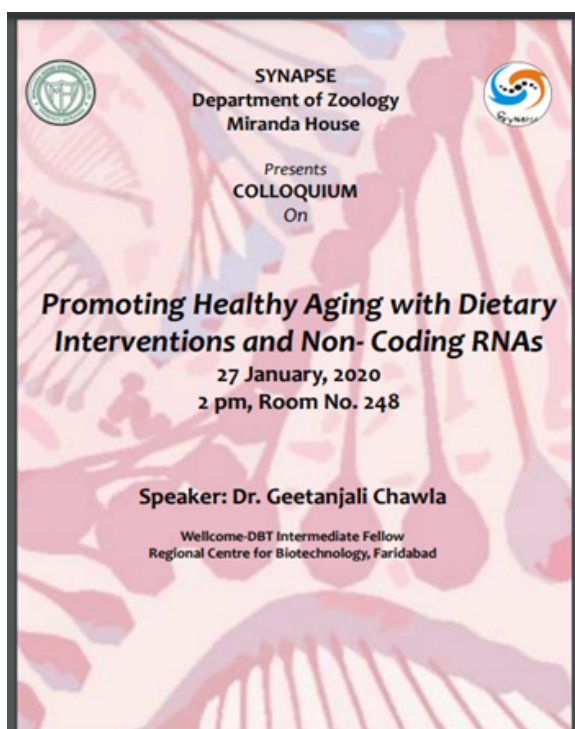
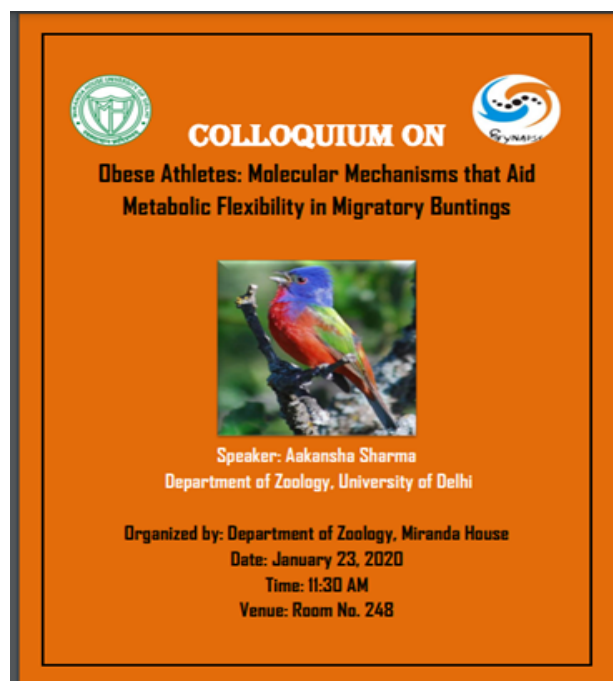




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Another **Colloquium on *Obese Athletes: Molecular mechanisms that aid metabolic flexibility in migratory buntings*** was organized on **23 October, 2019**. An alumna of department of zoology, **Ms. Aakansha Sharma** presented her research work on migratory buntings in the colloquium.

Participants-45



Another Department Colloquium on ***Promoting Healthy Aging with Dietary Interventions and Non-Coding RNAs*** by **Dr. Geetanjali Chawla**, Wellcome-DBT Intermediate Fellow, Regional Centre of Biotechnology, Faridabad was organized on **27 January, 2020**.

She discussed how Aging is a risk factor for several non-communicable diseases including neurodegeneration, cardiovascular diseases and cancer. Dietary restrictions like intermittent fasting and reducing the excess of protein in diet increases the life span of Fruit fly, something which can be applied to humans as well.

Several human diseases including late onset neurodegenerative disorders and cancer are associated with



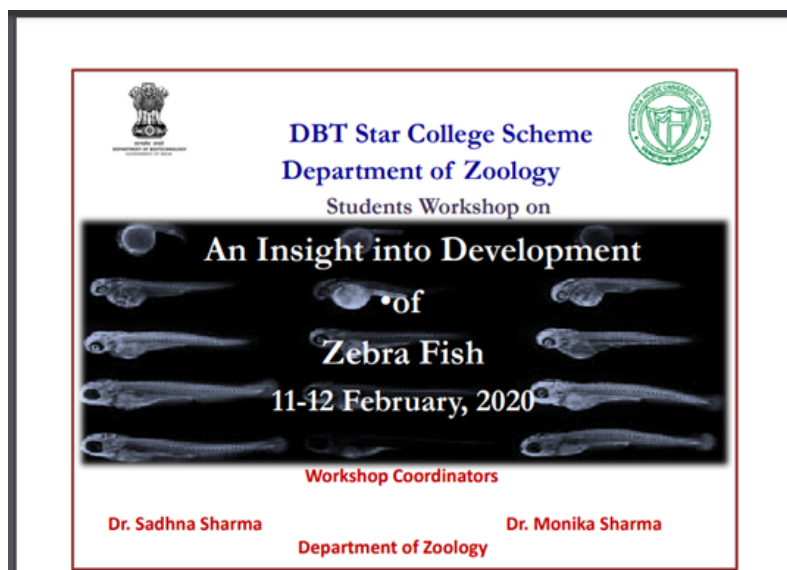
# Miranda House UNIVERSITY OF DELHI

aberrant expression of microRNAs and molecules that alter the function or abundance of miRNAs are emerging as potential therapeutic agents to treat disease.

Participants-60

A DBT Star College Scheme sponsored another round of very informative Students Workshop on “*An Insight into Development of Zebra Fish*” was organized from 11-12 February, 2020, by Dr. Adita Joshi, IGIB, South Campus.

This workshop was designed to make students familiar to Zebra Fish as a model organism for studying various biological processes. Importantly, students could understand the importance of this wonderful, robust and easy to maintain model organism for studying embryonic development stages.



Students studied the development of Zebra fish beginning from breeding to development of complete fish through hands on sessions. This entire process of development of Zebra Fish was very unique, educative and thrilling for the students.

Participants-32





# Miranda House

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ANNUAL CAMPUS BIRD COUNT

Department of Zoology in association with MH Vatavaran, The Environment Society of Miranda House under the **Great Backyard Bird Count India** to **document the diversity of birds found in the campus** organized *the Campus Bird Count* on **14 February, 2020**. The identification of birds was facilitated by **Mr. Abhishek Gulshan, Founder, NINOX - Owl about Nature**. A total of 18 species of birds were observed and the complete list was uploaded on the e-bird, a citizen science initiative to provide information about the distribution of different birds to the ornithologists and bird watchers throughout the world.

Participants-30



Yasha Yadav <yasha.yadav@mirandahouse.ac.in>

### Fwd:

From: Jyoti Arora <jyoti.arora@mirandahouse.ac.in>  
To: Yasha Yadav <yasha.yadav@mirandahouse.ac.in>

Wed, Sep 7, 2022 at 5:15 PM

----- Forwarded message -----

From: Jyoti Arora <jyoti.arora@mirandahouse.ac.in>  
Date: Thu, 13 Feb 2020 at 12:17  
Subject:  
To: Jyoti Arora <jyoti.arora@mirandahouse.ac.in>

### 2 attachments



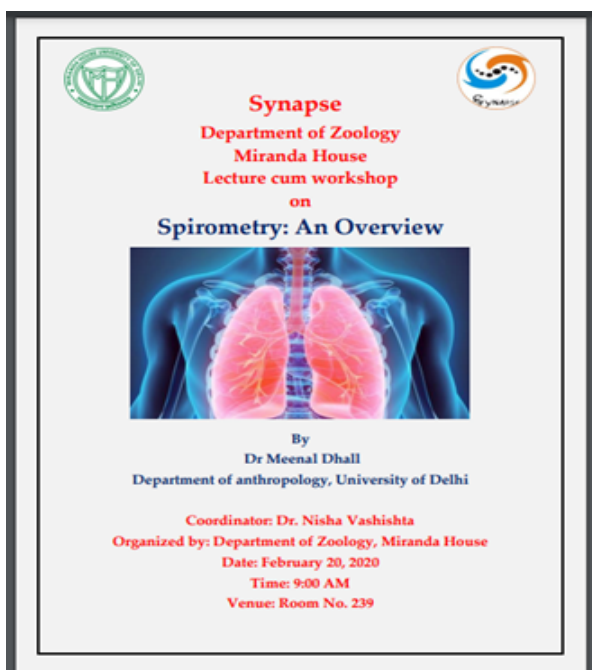
BIRD COUNT 2020\_Page\_1.jpg  
194K

Poster wildlife.pdf  
129K





# Miranda House UNIVERSITY OF DELHI



The Zoology Society, Synapse with DBT Star College Scheme organized a **Lecture cum workshop on Spirometry: An Overview** by **Dr. Meenal Dhall, Department of Anthropology, University of Delhi** on **February 20th, 2020**.

Dr. Meenal Dhall discussed the use of spirometer to assess the integrated mechanical function of the lungs. She discussed with students how spirogram is to be interpreted when there is normal ventilatory lung function or in diagnosis of chronic obstructive pulmonary disease, asthma, etc. After the lecture, hands on workshop on use of spirometer were conducted for students and teachers.

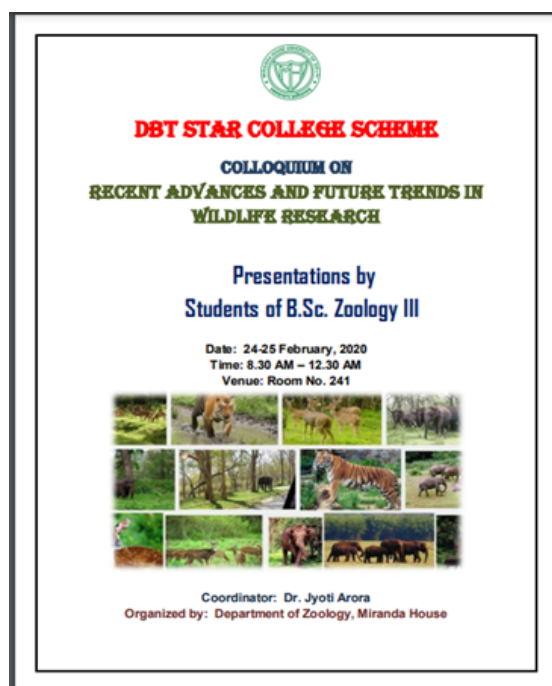
Participants-39

**A Colloquium on Recent Advances and Future Trends in Wildlife Research** was organized on **24-25 February, 2020** at Department of Zoology, Miranda House sponsored by DBT Star College Scheme.

The colloquium was successful in increasing awareness about recent advances in wildlife research. The approaches or management strategies that can address the future challenges in the field of wildlife conservation and management were also discussed based on recent investigations during the colloquium.

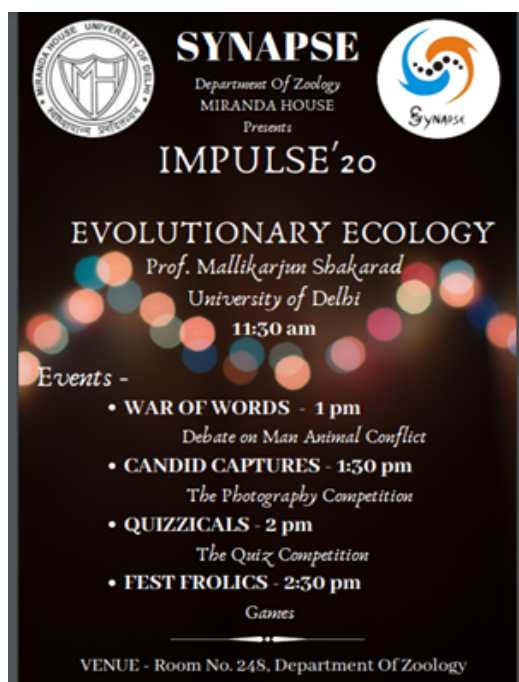
All the students of B.Sc. Zoology III enthusiastically participated and put forth their critical reviews on a recent paper published in the arena of wildlife research through oral presentations.

Participants-34





# Miranda House UNIVERSITY OF DELHI



The Zoology Society , Synapse celebrated its annual festival Impulse on 26 February, 2020.

The event was inaugurated with the lecture on *Evolutionary ecology of Sociality in Wasps* by Prof. Mallikarjun Shakarad, Department of Zoology, DU.

The cultural events included debate competition on Man Animal Conflict followed by photography competition themed on Bird Campus count and Animal Behavior and Quizzicals-quiz competition.

Participants-60

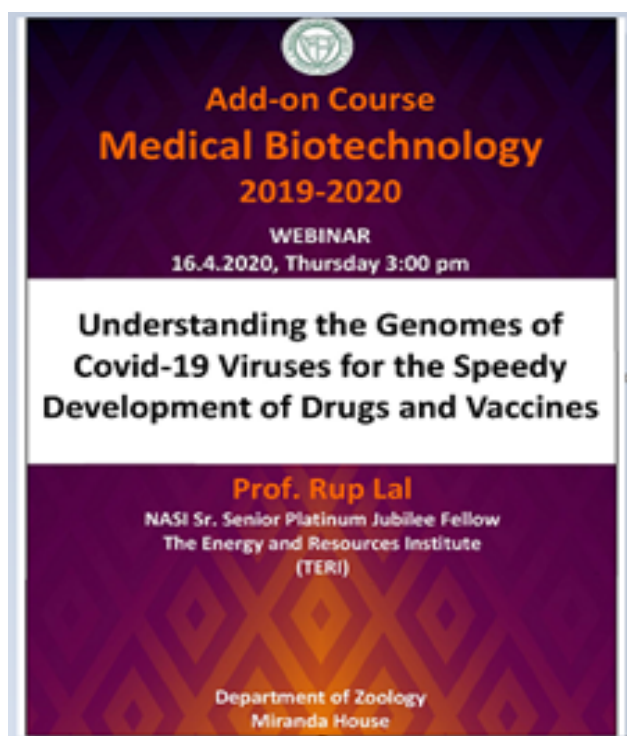
A DBT Star College Scheme sponsored another round of very informative Students Workshop on ***“Zebra Fish: Model organism to study Embryonic Development”*** was organized on **3 March, 2020**, by **Dr. Adita Joshi, IGIB, South Campus**. This workshop was designed to make students familiar to Zebra Fish as a model organism for studying various biological processes. Importantly, students could understand the importance of this wonderful, robust and easy to maintain model organism for studying embryonic development stages.



Participants-33



# Miranda House UNIVERSITY OF DELHI



To provide the students learning environment during COVID-19 Pandemic, The Zoology Society

organized a Webinar *“Understanding the Genomes of Covid-19 Viruses for the Speedy Development of Drugs and Vaccines”* on April 16, 2020. Prof. Rup Lal, NASI Sr. Senior Platinum Jubilee Fellow, The Energy and Resources Institute (TERI) was invited for the talk.

The webinar addressed the research and development activity throughout the world to develop vaccine against the SARS- CoV-2, the coronavirus that caused the pandemic COVID-19.

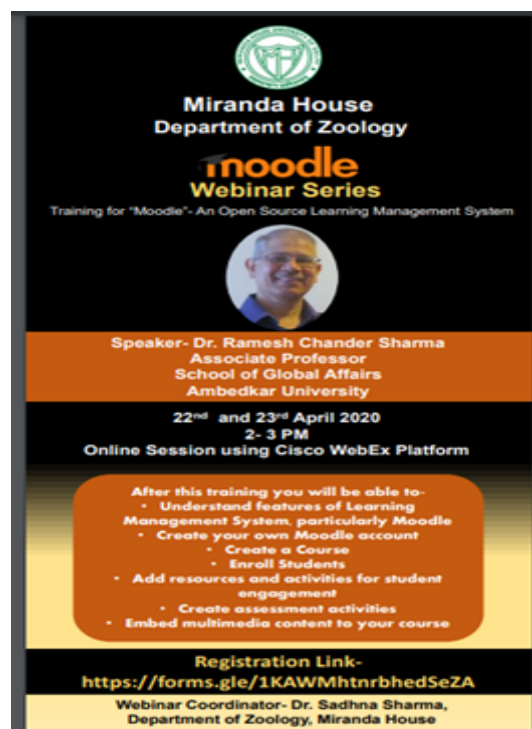
Through the webinar the participants could also understand the genetic code of the virus, its origins, and its evolutionary pathway.

Participants-70

A DBT Star College Sponsored, Training for *“Moodle”- An Open Source Learning Management System* Webinar Series was organized on April 22-23, 2020. Dr. Ramesh Chander Sharma, Associate Professor, School of Global Affairs, Ambedkar University was the invited speaker.

Through the training the faculty participants could understand features of learning management system, particularly moodle, create their own moodle account and subsequently create a course on it, enroll students, add resources and activities for student engagement, create assessment activities and embed multimedia content to the course created on moodle.

Participants-41



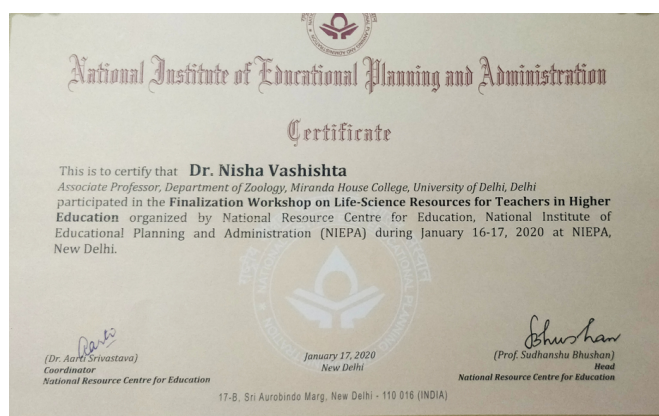


# Miranda House UNIVERSITY OF DELHI



Webinar on “ *Post Covid 19 Lockdown: Implications and Management*”, organized by **Unnat Bharat Abhiyan Cell**, Miranda House on **20 May, 2020**.

Resource Person for the webinar included **Prof. Priyanka Kaushal**, Centre for Rural Development and Technology IIT, Delhi. **Prof. Neera Agnimitra**, Head of Department of Social work, University of Delhi, **Prof. Neetha N. Pillai**, Deputy Director, Centre for Women Developmental Studies and **Dr. Chandrakant Pandav**, Farmer Professor and Head Centre for Community Medicine, AIIMS. Participants-154



Dr. Nisha Vashishta participated in the finalization workshop on life sciences resources for teachers in Higher education organized by National Resource Centre for Education, National Institute of Educational Planning and Administration, New Delhi on January 16-17, 2020





# Miranda House

## UNIVERSITY OF DELHI



**NATIONAL TESTING AGENCY**

*Excellence in Assessment*

MHRD, Department of Higher Education, Government of India

### ATTENDANCE CERTIFICATE

To Whomsoever it may Concern

This is to certify that Shri/Smt/Dr/Prof. Jyoti Arora  
(Name, Designation) of Miranda House (Name of the Institution)  
has attended 5 Day Confidential Workshop conducted between 21 Jan 2019  
and 25 Jan 2019 by the National Testing Agency at its premises.

Sadhana Parashar  
Dr Sadhana Parashar  
Senior Director

NATIONAL TESTING AGENCY  
Add:- Block C-201A/8, Sector-62  
IITK Outreach Centre, Gautam  
Buddh Nagar, Noida, Uttar Pradesh-201309

Dr. Jyoti Arora was Resource Person in MOOC Workshop to design summative assessment and develop a question bank for an online course for teachers teaching science at upper primary stage by DSEM, NCERT from 9-13 December, 2019



# Miranda House UNIVERSITY OF DELHI

राष्ट्रीय शैक्षिक अनुसंधान  
और प्रशिक्षण परिषद्



NATIONAL COUNCIL OF EDUCATIONAL  
RESEARCH AND TRAINING

No.F.6-09/2019-20/DESM  
DEPARTMENT OF EDUCATION IN SCIENCE AND MATHEMATICS

03<sup>rd</sup> January, 2020

## CERTIFICATE

Certified that Dr. Jyoti Arora, Assistant Professor, Department of Zoology, Miranda House, University of Delhi, Delhi attended the workshop titled "Development of Scripts for the Modules of Training Package in Biology for teachers teaching at Higher Secondary Stage for dissemination in MOOC format." and made valuable contribution as a Resource Person. The programme was organized by Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, from 30.12.2019 to 03.01.2020.

  
Dr. Purnip Lata Verma  
Programme Coordinator

  
Dr. A. K. Wazalwar  
Professor & Incharge Head

सी आरबिन्द मार्ग, नई दिल्ली-110016  
दूरभाष : 26560628, 26560360 फैक्स : 91-11-26888419  
ईमेल : [edusearch@ncert.nic.in](mailto:edusearch@ncert.nic.in)

SRI AUROBINDO MARG, NEW DELHI-110016  
PHONE : 26560628, 26560360 FAX : 91-11-26888419  
GRAMS : EDUSEARCH

Dr. Jyoti Arora was Resource Person in MOOC Workshop to design a training package for teachers at the higher secondary level and to write scripts for making videos for these modules by DSEM, NCERT from 30 December 2019- 3rd January, 2020.



# Miranda House UNIVERSITY OF DELHI

## Part B.2

### Extension Activities organized

To acquaint B.Sc. (H) Zoology, First year Students with basic laboratory work and instrumentation a **Bridge Course on Laboratory Instrumentation: Principle, Usage and Applications** was organized from 05-09 August, 2019.

Participants-49

BRIDGE COURSE 2019  
LABORATORY INSTRUMENTATION:  
PRINCIPLE, USAGE & APPLICATIONS

A course on basic laboratory instruments and techniques

For  
B.Sc. (H) Zoology Part I Students

August 5 – 9, 2019  
Organized by  
DEPARTMENT OF ZOOLOGY  
MIRANDA HOUSE

Course Coordinator: Dr. Simran Jit  
Convener: Dr. Bijayalaxmi Nanda, Acting Principal

Summer Workshop for undergraduate Science students, **Flavour of Research : Investigative Projects in Multidisciplinary Contexts** held at the D.S. Kothari Centre for Research and Innovation in Science Education Miranda House, University of Delhi.

Participants-39

**MIRANDA HOUSE**  
University of Delhi

**Flavour of Research**  
Investigative Projects in Multidisciplinary Contexts

**Summer Workshop**  
(June – July 2020)

**Orientation Program**  
Date: 30 June 2020  
11.00 am onwards

**Prerequisite: Zoom Application**  
Join Zoom Meeting  
<https://zoom.us/j/98886335809?pwd=TWQ1ZlkrdUkCdGdmTkFCQmVHREhldz09>  
Meeting ID: 988 8633 5809  
Password: 7b3uQj

## Part B.3



# Miranda House UNIVERSITY OF DELHI

Any other event organized as part of students' activities (not listed above)



The Department hosted the **Fresher's Party for the incoming batch of 2019-20**. The event saw huge participation. Participants-115



The department celebrated the **Teacher's Day** on **5 September, 2019** by having a cake cutting ceremony for teachers.







# Miranda House UNIVERSITY OF DELHI

An education field visit to *Yamuna Biodiversity Park* was organized for the first and third year students of B.Sc. (H) Zoology on **18, September 2019** to correlate the ecological and behavioral aspects of animal behavior. Spotting peacocks and butterflies, learning about various plants and pollinators, walking in the thickets with the anticipation of encountering the unknown, this field visit had it all. It was a display of natural elements coming together harmoniously for sustenance of life.

Participants-65



On **23 September 2019**, students and faculty attended the **Inaugural Session of the 4th Steering committee meeting of Global Snow Leopard and Ecosystem Protection (GSLEP) Program** held at **Vigyan Bhavan, New Delhi**.

Participants-34



# Miranda House UNIVERSITY OF DELHI

On **27 September 2019**, B. Sc. (H) first year students of the Department participated in the **plantation drive by Times of India in Nehru Ridge**. Hundreds of saplings were planted by students and faculty during the drive.

Participants-49



The third year students of B. Sc. Zoology (H) along with faculty members visited **National Institute of Immunology** to attend the **DBT-BIRAC Leadership Dialogue Series** lecture on ***“From the human genome project to precision medicine: A journey to advance human health”*** on **8 January, 2020** delivered by **Dr Eric Green, Director of NHGRI (National Human Genome Research Institute)**.



Secretary to the Government of India, Department of Biotechnology, Ministry of Science & Technology & Chairperson BIRAC

Cordially invite you for the

**DBT - BIRAC  
Leadership  
DIALOGUE  
SERIES**

Lecture by  
**Dr. Eric Green**  
Director, National Human Genome Research Institute (NHGRI)

Titled  
***“From the Human Genome Project to Precision Medicine: A Journey to Advance Human Health”***

Date: 8<sup>th</sup> January 2020  
Time: 12:00 pm - 1:15 pm  
Venue: Auditorium, National Institute of Immunology, New Delhi

RSVP  
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\*Programme overleaf



# Miranda House UNIVERSITY OF DELHI

  	
<b>Date:</b> 8 <sup>th</sup> January 2020 <b>Time:</b> 12:00 – 1:15 pm <b>Venue:</b> Auditorium, National Institute of Immunology, New Delhi	
	
Time	Activity
12:00-12:05 pm	Welcome Address by Dr. A. K. Panda, Director, National Institute of Immunology, New Delhi
12:05-12:10 pm	Introduction to the Leadership Dialogue Series and the distinguished speaker By Dr. Renu Swarup, Secretary, Department of Biotechnology, Ministry of Science and Technology, Government of India and Chairperson, BIRAC
12:10-12:55 pm	Leadership lecture by <b>Dr. Eric Green</b> Director, National Human Genome Research Institute (NHGRI), National Institutes of Health Titled <b>"From the Human Genome Project to Precision Medicine: A Journey to Advance Human Health"</b>
12:55- 1:05 pm	A moderated interaction of the audience with the Distinguished Speaker
1:05-1:10 pm	Felicitation of Distinguished Speaker
1:10-1:15 pm	Closing remarks
1:15 pm onwards	High Tea

**Participation:-**34 participants with faculty members participated in this event.

Students of II year of B.Sc(H) Zoology and B.Sc (Prog) Life Sciences were taken to **Indian Agriculture Research Institute field trip on 03 February, 2020** as a part of their course in Apiculture. Spotting the tiny master-pieces of nature at work, the honey bees as pollinators for countless vibrant flowers was a truly enthralling experience. From learning about various types of hives and procedures for honey production to uncovering numerous other bee products, the trip had it all.

Participants-59

