



# Miranda House

## UNIVERSITY OF DELHI

### Departmental Annual Report - 3

#### Departmental Activities: Curriculum and Beyond

**Department:** Chemistry

**Year:** 2017-2018 (for the period 01-07-2017 to 30-06-2018)

**Staff Advisors:** Dr. Bani Roy and Dr. Malti Sharma

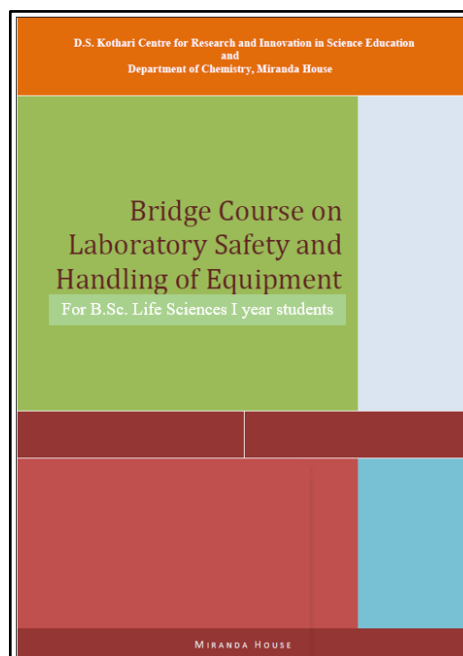
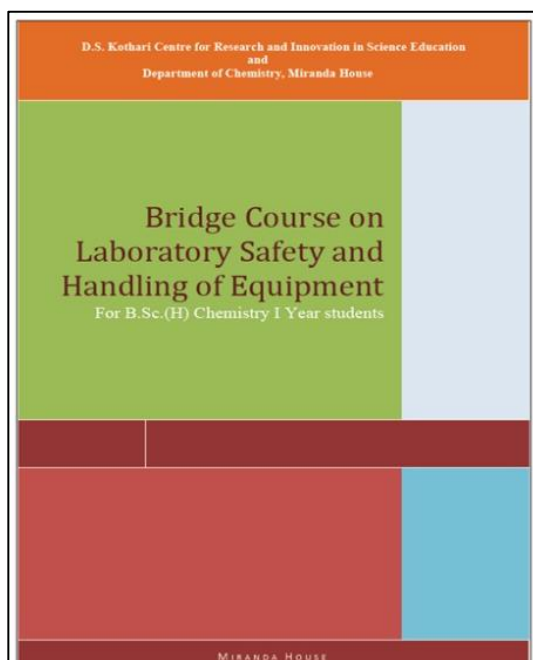
**Student Office Bearers:**

President	Vice President	General Secretary	Joint Secretary
Amishi Tewari	Swati Jain	Priyanka Jain	Karishma Agrawal

#### Part B.1

##### Seminars/conferences/workshops conducted by the Department

The Academic year 2017-18 for the Chemistry Department of Miranda House started with an extremely informative Workshop: Bridge Course on Lab Safety and Handling of Equipment for B.Sc. (H) Chemistry and Life Sciences I Year students on 1-3 August 2017. The course was an attempt to bridge the gap between laboratory practices in school and college and was much appreciated by the I Year students. For many, it was their first exposure to advanced lab equipment.





# Miranda House

## UNIVERSITY OF DELHI

### Details of students enrolled:

S.No.	Name	Roll no.	Course Name
1	Aarti	156	B.Sc.(H) Chemistry I Year
2	Abiyamol	355	B.Sc.(H) Chemistry I Year
3	Aman	764	B.Sc.(H) Chemistry I Year
4	Ankita Duggal	846	B.Sc.(H) Chemistry I Year
5	Ankita Kumari	600	B.Sc.(H) Chemistry I Year
6	Anuja	366	B.Sc.(H) Chemistry I Year
7	Aprajita	529	B.Sc.(H) Chemistry I Year
8	Astha	852	B.Sc.(H) Chemistry I Year
9	Avika	956	B.Sc.(H) Chemistry I Year
10	Ayushi	352	B.Sc.(H) Chemistry I Year
11	Bandita Priyadarshinee	421	B.Sc.(H) Chemistry I Year
12	Bhavana	279	B.Sc.(H) Chemistry I Year
13	Bhavika	926	B.Sc.(H) Chemistry I Year
14	Chetna	509	B.Sc.(H) Chemistry I Year
15	Deepanshi	348	B.Sc.(H) Chemistry I Year
16	Deepanshu	895	B.Sc.(H) Chemistry I Year
17	Deepti	913	B.Sc.(H) Chemistry I Year
18	Divya	467	B.Sc.(H) Chemistry I Year
19	Eknoor	903	B.Sc.(H) Chemistry I Year
20	Geeta	535	B.Sc.(H) Chemistry I Year
21	Geetika	816	B.Sc.(H) Chemistry I Year
22	Hairen	74	B.Sc.(H) Chemistry I Year
23	Himani	965	B.Sc.(H) Chemistry I Year
24	Jasleen	428	B.Sc.(H) Chemistry I Year
25	Jyoti	1167	B.Sc.(H) Chemistry I Year
26	Jyoti Yadav	398	B.Sc.(H) Chemistry I Year
27	Jyoti Devi	907	B.Sc.(H) Chemistry I Year
28	Kajal Srivastava	770	B.Sc.(H) Chemistry I Year
29	Kanika	528	B.Sc.(H) Chemistry I Year
30	Komal	765	B.Sc.(H) Chemistry I Year
31	Kranti	1342	B.Sc.(H) Chemistry I Year
32	Kumari Raveena	499	B.Sc.(H) Chemistry I Year
33	Kusum	1278	B.Sc.(H) Chemistry I Year
34	Mamta	458	B.Sc.(H) Chemistry I Year
35	Mamta	959	B.Sc.(H) Chemistry I Year
36	Manju	908	B.Sc.(H) Chemistry I Year



# Miranda House

## UNIVERSITY OF DELHI

37	Maria	215	B.Sc.(H) Chemistry I Year
38	Meenakshi	683	B.Sc.(H) Chemistry I Year
39	Menka	113	B.Sc.(H) Chemistry I Year
40	Mohini	1166	B.Sc.(H) Chemistry I Year
41	Monika	601	B.Sc.(H) Chemistry I Year
42	Muskan	449	B.Sc.(H) Chemistry I Year
43	Nandini Mittal	832	B.Sc.(H) Chemistry I Year
44	Neha Bhadula	598	B.Sc.(H) Chemistry I Year
45	Nikita Grover	146	B.Sc.(H) Chemistry I Year
46	Nikita Liza Jacob	1611	B.Sc.(H) Chemistry I Year
47	Nitisha	899	B.Sc.(H) Chemistry I Year
48	Pallavi	777	B.Sc.(H) Chemistry I Year
49	Pankhuri	893	B.Sc.(H) Chemistry I Year
50	Parveen	667	B.Sc.(H) Chemistry I Year
51	Pooja	823	B.Sc.(H) Chemistry I Year
52	Prachi Aggarwal	602	B.Sc.(H) Chemistry I Year
53	Priya Yadav	118	B.Sc.(H) Chemistry I Year
54	Priya Yadav	451	B.Sc.(H) Chemistry I Year
55	Priyanka	645	B.Sc.(H) Chemistry I Year
56	Pulkit	837	B.Sc.(H) Chemistry I Year
57	Renu	851	B.Sc.(H) Chemistry I Year
58	Ritika	900	B.Sc.(H) Chemistry I Year
59	Riya	399	B.Sc.(H) Chemistry I Year
60	Ruby	776	B.Sc.(H) Chemistry I Year
61	Ruchi	641	B.Sc.(H) Chemistry I Year
62	Sakshi	817	B.Sc.(H) Chemistry I Year
63	Saranya PV	89	B.Sc.(H) Chemistry I Year
64	Shallu	1440	B.Sc.(H) Chemistry I Year
65	Shambhavee	892	B.Sc.(H) Chemistry I Year
66	Sheetal	1164	B.Sc.(H) Chemistry I Year
67	Sheetal	507	B.Sc.(H) Chemistry I Year
68	Sheetal	680	B.Sc.(H) Chemistry I Year
69	Shivangi	520	B.Sc.(H) Chemistry I Year
70	Shivani Meena	993	B.Sc.(H) Chemistry I Year
71	Shivani Tomar	629	B.Sc.(H) Chemistry I Year
72	Shivanshi	916	B.Sc.(H) Chemistry I Year
73	Shweta	623	B.Sc.(H) Chemistry I Year
74	Sneha	1188	B.Sc.(H) Chemistry I Year
75	Sneha Singh	374	B.Sc.(H) Chemistry I Year



# Miranda House

## UNIVERSITY OF DELHI

76	Soumya	708	B.Sc.(H) Chemistry I Year
77	Sudikshya	814	B.Sc.(H) Chemistry I Year
78	Sugandha	897	B.Sc.(H) Chemistry I Year
79	Surbhi	115	B.Sc.(H) Chemistry I Year
80	Tanya Mehta	401	B.Sc.(H) Chemistry I Year
81	Tanya Sehgal	588	B.Sc.(H) Chemistry I Year
82	Tarishma	1419	B.Sc.(H) Chemistry I Year
83	Tisha	530	B.Sc.(H) Chemistry I Year
84	Urvica	510	B.Sc.(H) Chemistry I Year
85	Utsa	65	B.Sc.(H) Chemistry I Year
86	Varnika	541	B.Sc.(H) Chemistry I Year

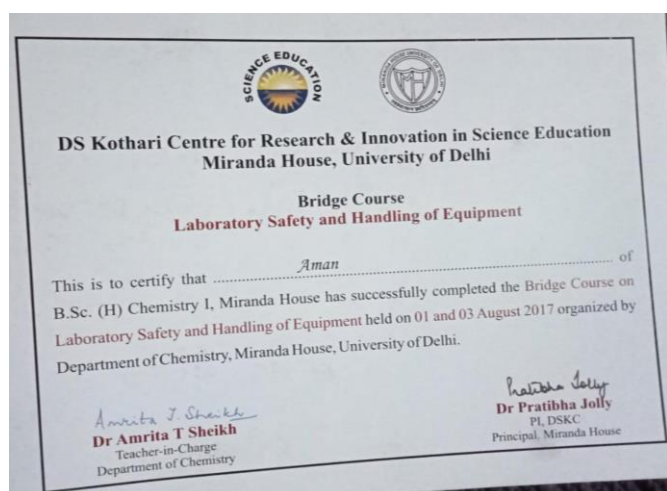
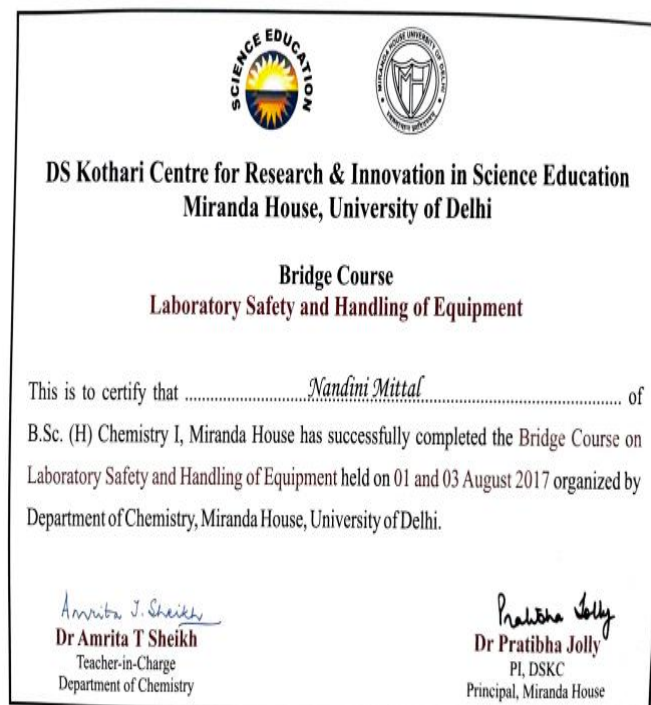
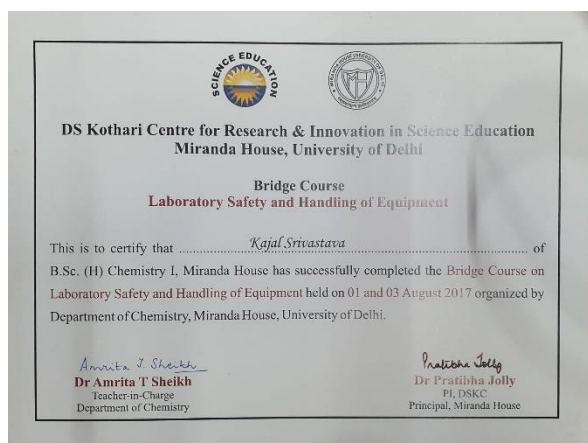
S.No	Name	Roll no.	Course Name
1	Aditi Yadav	2017/1064	B.Sc. Life Science I Year
2	Anjali	2017/810	B.Sc. Life Science I Year
3	Anoushka Raina	2017/1032	B.Sc. Life Science I Year
4	Anushi Agrawal	2017/100	B.Sc. Life Science I Year
5	Anushka Sharma	2017/1236	B.Sc. Life Science I Year
6	Anushka Shukla	2017/176	B.Sc. Life Science I Year
7	Archo Mahmooda	2017/1290	B.Sc. Life Science I Year
8	Bhawana Choudhary	2017/273	B.Sc. Life Science I Year
9	Chhavi	2017/142	B.Sc. Life Science I Year
10	Devyani Malik	2017/761	B.Sc. Life Science I Year
11	Diksha	2017/455	B.Sc. Life Science I Year
12	Fiza Hamid	2017/1029	B.Sc. Life Science I Year
13	Freeda Lalmuanpuii Sailo	2017/1298	B.Sc. Life Science I Year
14	Garima Chahar	2017/783	B.Sc. Life Science I Year
15	Hrishi Manchanda	2017/894	B.Sc. Life Science I Year
16	Kanika Chutani	2017/26	B.Sc. Life Science I Year
17	Manasa Reddy Sanaga	2017/30	B.Sc. Life Science I Year
18	Manaswi Gupta	2017/997	B.Sc. Life Science I Year
19	Manvi	2017/980	B.Sc. Life Science I Year
20	Monika	2017/1134	B.Sc. Life Science I Year
21	Navneet Kaur	2017/143	B.Sc. Life Science I Year
22	Neha Dixit	2017/117	B.Sc. Life Science I Year
23	Nidhi	2017/211	B.Sc. Life Science I Year
24	Nidhi	2017/266	B.Sc. Life Science I Year
25	Payyavula Ragini	2017/806	B.Sc. Life Science I Year
26	Poorva Gola	2017/936	B.Sc. Life Science I Year



# Miranda House UNIVERSITY OF DELHI

27	Pragya Kamal	2017/1184	B.Sc. Life Science I Year
28	Preeti Kumari	2017/1060	B.Sc. Life Science I Year
29	Puja Devi	2017/1204	B.Sc. Life Science I Year
30	Renuka Mainaly	2017/1006	B.Sc. Life Science I Year
31	Ritika Chaudhary	2017/121	B.Sc. Life Science I Year
32	Shahzadi	2017/141	B.Sc. Life Science I Year
33	Shayra	2017/1059	B.Sc. Life Science I Year
34	Stanzin Zangmo	2017/1306	B.Sc. Life Science I Year
35	Sudha Yadav	2017/1116	B.Sc. Life Science I Year
36	Vanshika Mahajan	2017/1457	B.Sc. Life Science I Year
37	Yengkhom Sonia Devi	2017/1119	B.Sc. Life Science I Year

Number of students successfully completing the course: 123







# Miranda House UNIVERSITY OF DELHI

The department of chemistry organized a workshop entitled “Using Gaussian Software in Undergraduate Education” on 3 August 2017 in which 100 participants have shown their interest.



## *Seminar on Computational Chemistry*



### Invitation

*Miranda House in association with Scube Scientific Software Solutions Pvt Ltd. Cordially invites you for the one-day Seminar on “Using Gaussian Software in Undergraduate Education” on Thursday 3, August 2017 from 2:30 PM -4:30 PM at Department of Chemistry, Miranda House, University of Delhi.*

**Speaker:** *Ms. Richa Gupta, Technical Consultant Chemistry (Alumnus Miranda House)*

*All the interested faculties and Students are cordially invited to attend the seminar.*

**Dr. Mallika Pathak**  
(Organizer, Miranda House)

**Dr. Amrita Tripathi Sheikh**  
(Coordinator, Miranda House)

**Ms. Richa Gupta**  
(Co-organizer, Scube)

The department of chemistry organized a seminar entitled “Nanoparticles for Biomedical Applications” delivered by Dr. Dipak Maity, Assistant Professor, Department of Mechanical Engineering, Shiv Nadar University on 8 September 2017. A total of 100 students participated in the seminar.

**RASAYANIKA**  
The Chemical Society of Miranda House  
In collaboration with the  
Add On Certificate Course in Nanochemistry  
Invites you to  
The Inaugural Lecture on  
**“NANOPARTICLES FOR BIOMEDICAL APPLICATIONS”**

**By:**  
**Dr. Dipak Maity**  
Assistant Professor,  
Dept. of Mechanical Engineering,  
Shiv Nadar University

**Date: 8 September 2017**  
**Venue: Room 145**  
**Time: 11:00am**



# Miranda House UNIVERSITY OF DELHI

Rasayanika, the Chemical Society organised an invited lecture on 'Safe Management of Hazardous Chemicals and Chemical Security' by Professor M.D. Milton from Department of Chemistry, University of Delhi on 26 October, 2017.



**RASAYANIKA**  
The Chemical Society  
Miranda House

Invites you to a lecture on  
**"SAFE MANAGEMENT OF  
HAZARDOUS CHEMICALS AND  
CHEMICAL SECURITY"**

By:  
**Prof. Marilyn D. Milton**  
Department of Chemistry  
Faculty of Science  
University of Delhi

Date: 26 October 2017  
Time: 3:00 pm  
Venue: Room No. 145

The department of chemistry organized a one-day 'Indo-Hungarian Symposium' on 'Recent Advances in Chemistry and Biology' (INHCAB-2017)

**ONE-DAY INDO-HUNGARIAN SYMPOSIUM**  
on  
**RECENT ADVANCES IN CHEMISTRY AND BIOLOGY**  
(INHCAB-2017)  
**11 December 2017**

Organized by:

Dr. Amo Augustus Kubeyinje, Director Graduate Admissions and Enrolment Services, William Paterson University New Jersey USA addressed the Chemistry students on 29 January 2018 regarding their Graduate Program in Materials Chemistry.

**Rasayanika,**  
The Chemical Society  
Miranda House

PRESENTS  
An interactive seminar on  
**GRADUATE PROGRAM IN  
MATERIALS CHEMISTRY**

By  
DR. AMO AUGUSTUS KUBEYINJE  
DIRECTOR GRADUATE ADMISSIONS AND ENROLMENT  
SERVICES, WILLIAM PATERSON UNIVERSITY, NEW JERSEY, USA

29 January 2018  
Room No.-141  
Chemistry Department



# Miranda House

## UNIVERSITY OF DELHI

Rasayanika, organized its annual Chemistry Festival, Pratikriya 2018 on 23 March 2018. The day commenced with *Life after Chemistry Honors at Miranda House: A Panel Discussion*. This was followed by *Eureka, Prayog and Chemiscellany*.





The Department organized *Rasayanika Re-Bonding* a get-together for MH Chemistry Alumnae on 24 March 2018; the alumnae were delighted to come back to their alma mater.





# Miranda House UNIVERSITY OF DELHI

Dr. Kalawati Saini organized “Educational Workshop and Visit: Foldscope Workshop held at MeECL Secondary School, Barapani, Meghalaya (Department of Biotechnology, Govt. of India, Delhi)” in collaboration with DBT Twinning Programme with ICAR, NEH Region, Umiam, Maghalaya, Cotton University, Guwahati, Assam and Central Electrochemistry Research Institute, Karaikudi, Tamil Nadu, India on 2<sup>nd</sup> and 3<sup>rd</sup> November 2018

 **DIVISION OF CROP PRODUCTION**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
UMROI ROAD, UMIAM – 793 103  
MEGHALAYA 

No: RC /CP/Fscope/UHC/2018-19/ 658 Dated: 08-10-2018

To,  
✓ The Director  
ICAR Research Complex for NEH Region  
Umiam – 793103, Meghalaya

(Through Proper channel)

**Sub:** Request for approval of collaboration/twinning with partner institutes under DBT foldscope Project - reg.


Respected Sir,

With reference to the subject cited above, I would like to request you to approve the following collaboration with two institutes from Pune and Delhi to facilitate school student workshop and exchange programs under ongoing DBT foldscope project entitled “**Exploration and Sensitization of School Students about Canopy characters (leaf anatomy and stomatal structure), Floral attributes and Nutritive value of under-utilized horticulture crops (UHC) in North Eastern Region of India**”

Sl. No.	Name of the Institute	Common area of interest
1	<b>Dr. Praveen Rahi,</b> Scientist (Microbiology) NCMR-NCCS, Sai Trinity campus, Pune-411 021, Maharashtra	Project related to exploration of pea root-nodule morphology and nodule bacteria diversity for enhancing growth and yield potential in the Northeastern region of India (Nodubiome)
2	<b>Dr. Kalawati Saini</b> Assistant Professor, Department of Chemistry, Miranda House University of Delhi Delhi-11007	Project related to Dissections of different part of plants and structural change studies(Stomata) with control and micro flora /fauna in the water sample by using Fold scope microscope


This is for your kind consideration and necessary action please


With kind regards,

Yours faithfully  
  
(Krishnappa R)  
Scientist (Plant Physiology)  
and PI, DBT fold scope project

Enclosed

1. Communication letter from both institute  
2. Guidelines from DBT for foldscope projects

*Recommended*  
  
16/10/2018

*Approved*  
  
16/10/18

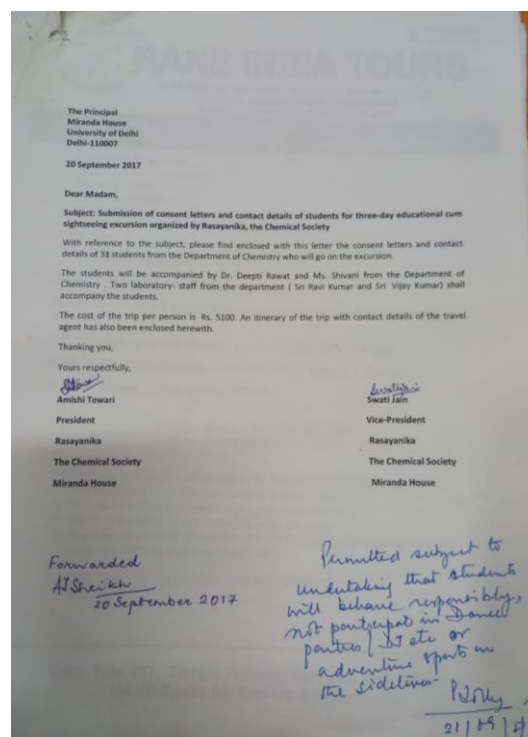


# Miranda House UNIVERSITY OF DELHI

## Part B.3

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

A group of 31 students from across all three years of Chemistry Honours accompanied by faculty members Dr. Deepti Rawat and Ms. Shivani and laboratory staff Mr. Ravi and Mr. Sushil went on an educational-cum-sightseeing trip to Rajasthan from 22-25 September 2017. The group visited one of the largest cement manufacturing factories in North India – Shree Cement at Beawer, Ajmer district, Rajasthan. The group also went for sightseeing of popular tourist destinations including the City Palace and Lake Fatehsagar in and around Udaipur.





# Miranda House

## UNIVERSITY OF DELHI

---

### **Awards and recognition received**

1. Meena, B.Sc.(H) Chemistry III year student received the award for the Most Versatile Athlete in 2017.
2. Muskaan Chaudhary, B.Sc.(H) Chemistry II year student has won a gold medal for table tennis at the National Urban Games held in Hissar in November 2017. She has been selected to represent India at the International event.
3. Kanchan, B.Sc.(H) Chemistry III year student was elected Central Councilor of the Delhi University Student Union 2017-20.



# **Miranda House**

## **UNIVERSITY OF DELHI**

---