



Miranda House

UNIVERSITY OF DELHI

Departmental Annual Report - 3

Departmental Activities: Curriculum and Beyond

Society: Rasayanika

Year: 2020-2021 (1.07.2020 to 30-06-2021)

Staff Advisors: Dr Kalawati Saini and Dr Anshika Lumb

Office Bearers :

President	Vice President	General Secretary	Joint Secretary
Arju	Hitakshi Mathur	Vini	Neha Sharma



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Part B.1

Seminars/conferences/workshops conducted by the Department

“Rasayanika”, the Chemical Society of Chemistry Department organised a webinar on ‘**Learnings from Corona Pandemic**’, exhibiting a positive side of this unprecedented situation.

The two-day National Webinar, held on 24-25 September 2020 was chaired by Dr Adarsh Gulati and Dr Bani Roy. The speakers for the two-day webinar were Professor Rita Kakkar, Dean of Faculty of Sciences & Head, Department of Chemistry, University of Delhi. Dr Anil K. Mishra, Additional Director & Scientist G at INMAS, DRDO, Professor L S Shashidhara, Dean of Research and Professor of Biology at Ashoka University, Dr B S Balaji, Associate Professor, School of Biotechnology at Jawaharlal Nehru University, Delhi and Dr Suresh Kumar, Associate Professor, University School of Biotechnology at GGS Indraprastha University, Delhi. All the speakers shared their valuable experiences during pandemic and how they continued their learning by updating themselves. The two-day national webinar ended on 25 September with the Vote of Thanks by Dr Amrita T Sheikh.

Two-day National Webinar
Learnings from the Corona Pandemic

24 - 25 September 2020
Time : 2-5 pm
organised by
Department of Chemistry
Miranda House
University of Delhi

Patron
Dr Bijayalaxmi Nanda
Acting Principal
Miranda House
University of Delhi

Eminent Speakers
Day 1

Professor Rita Kakkar
Dean, Faculty of Sciences
Professor and Head
Department of Chemistry
University of Delhi

Dr Anil K. Mishra
Additional Director and Scientist G
INMAS, DRDO

Day 2

Professor L S Shashidhara
Dean of Research and
Professor of Biology,
Ashoka University

Dr B S Balaji
Associate Professor
School of Biotechnology
Jawaharlal Nehru University, Delhi

Dr Suresh Kumar
Associate Professor
University School of Biotechnology
GGS Indraprastha University, Delhi

For more details-
Register at <https://forms.gle/vv9me9EAan5bpCo96>

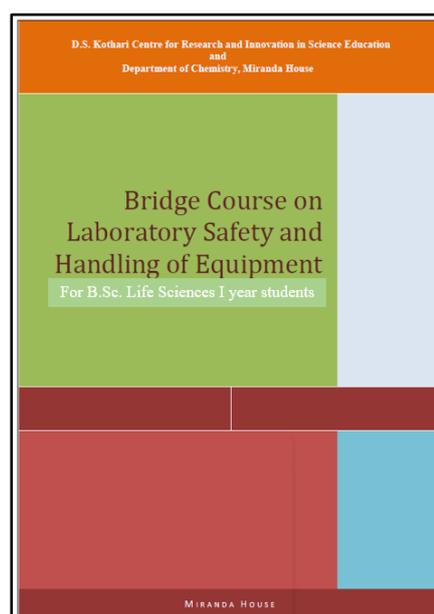
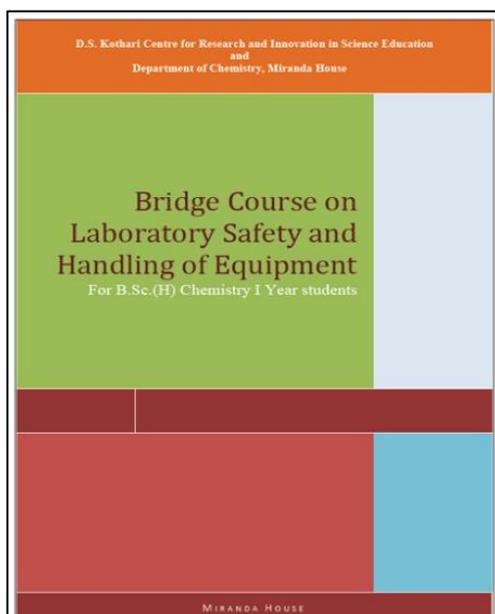
In case of any query contact:
Dr Shivani (9716907217)
Dr Mamia Sethi (9958482045)



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The department of Chemistry organized Workshop: Bridge Course on ‘*Laboratory Safety and Handling of Equipment*’ organized for the B.Sc (Honours) Chemistry I Year students and B.Sc Life Science I year students.





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Details of students enrolled:

<u>S.No.</u>	Name	Roll No.	Course Name
1	Aarti Nain	1328	B.Sc.(H) Chemistry I Year
2	Adhiya Asharaf	130	B.Sc.(H) Chemistry I Year
3	Aditi Mehta	543	B.Sc.(H) Chemistry I Year
4	Anagha E	235	B.Sc.(H) Chemistry I Year
5	Ananya Singh	678	B.Sc.(H) Chemistry I Year
6	Ananya Singh	678	B.Sc.(H) Chemistry I Year
7	Anisha	572	B.Sc.(H) Chemistry I Year
8	Anjali Kumari Narnolia	315	B.Sc.(H) Chemistry I Year
9	Anjali Sharma	1000	B.Sc.(H) Chemistry I Year
10	Anushka Dhiman	36	B.Sc.(H) Chemistry I Year
11	Aqsha Naaz	255	B.Sc.(H) Chemistry I Year
12	Ardra Ganesan	16	B.Sc.(H) Chemistry I Year
13	Bhagyashri	497	B.Sc.(H) Chemistry I Year
14	Bhumika	607	B.Sc.(H) Chemistry I Year
15	Chinram Priyanka	316	B.Sc.(H) Chemistry I Year
16	Devika P S	556	B.Sc.(H) Chemistry I Year
17	Devyani Ratwaya	168	B.Sc.(H) Chemistry I Year
18	Divya	274	B.Sc.(H) Chemistry I Year
19	Divya Jangra	390	B.Sc.(H) Chemistry I Year
20	Ekta	547	B.Sc.(H) Chemistry I Year
21	Ekta Verma	490	B.Sc.(H) Chemistry I Year
22	Ganga Patel	531	B.Sc.(H) Chemistry I Year
23	Garima Singh	492	B.Sc.(H) Chemistry I Year
24	Geetanjali	600	B.Sc.(H) Chemistry I Year
25	Harshita Yadav	214	B.Sc.(H) Chemistry I Year
26	Isha Bhagat	2410	B.Sc.(H) Chemistry I Year
27	Isha Kapoor	560	B.Sc.(H) Chemistry I Year
28	Ishu	529	B.Sc.(H) Chemistry I Year



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29	Jasmin	1047	B.Sc.(H) Chemistry I Year
30	Keerthana R Nambiar	126	B.Sc.(H) Chemistry I Year
31	Khyati Kinger	1373	B.Sc.(H) Chemistry I Year
32	Kritika Gaur	514	B.Sc.(H) Chemistry I Year
33	Mahak	6	B.Sc.(H) Chemistry I Year
34	Malavika A M	184	B.Sc.(H) Chemistry I Year
35	Monika Aggarwal	602	B.Sc.(H) Chemistry I Year
36	Muskan Rangera	248	B.Sc.(H) Chemistry I Year
37	Nasha Punnakandi	236	B.Sc.(H) Chemistry I Year
38	Neetu	502	B.Sc.(H) Chemistry I Year
39	Nidhi	504	B.Sc.(H) Chemistry I Year
40	Nikita	509	B.Sc.(H) Chemistry I Year
41	Nikita	925	B.Sc.(H) Chemistry I Year
42	Nikita Saharan	381	B.Sc.(H) Chemistry I Year
43	Pooja	540	B.Sc.(H) Chemistry I Year
44	Pragati	203	B.Sc.(H) Chemistry I Year
45	Pragati	543	B.Sc.(H) Chemistry I Year
46	Pratibha Vishwakarma	576	B.Sc.(H) Chemistry I Year
47	Pratibha Vushwakarma	576	B.Sc.(H) Chemistry I Year
48	Preeti	106	B.Sc.(H) Chemistry I Year
49	Preeti	583	B.Sc.(H) Chemistry I Year
50	Priya	489	B.Sc.(H) Chemistry I Year
51	Priya Upadhyay	250	B.Sc.(H) Chemistry I Year
52	Pushpa Singh	808	B.Sc.(H) Chemistry I Year
53	Rajneet Kaur	229	B.Sc.(H) Chemistry I Year
54	Rashi Kapoor	70	B.Sc.(H) Chemistry I Year
55	Renu Yadav	7	B.Sc.(H) Chemistry I Year
56	Rimshi Tomar	1096	B.Sc.(H) Chemistry I Year
57	Riya Kumari		B.Sc.(H) Chemistry I Year
58	Rosemary Baiju	352	B.Sc.(H) Chemistry I Year
59	Shivangi Malviya	747	B.Sc.(H) Chemistry I Year



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60	Shivani	147	B.Sc.(H) Chemistry I Year
61	Shivani	295	B.Sc.(H) Chemistry I Year
62	Shivani Singh	1076	B.Sc.(H) Chemistry I Year
63	Shruti Rana	246	B.Sc.(H) Chemistry I Year
64	Skarma Tsultim Palmo	449	B.Sc.(H) Chemistry I Year
65	Skarma Tsultim Palmo	449	B.Sc.(H) Chemistry I Year
66	Sneha Frijo	63	B.Sc.(H) Chemistry I Year
67	Sneha Mahindran	2	B.Sc.(H) Chemistry I Year
68	Snehalatha Methari	342	B.Sc.(H) Chemistry I Year
69	Sonam	128	B.Sc.(H) Chemistry I Year
70	Sonia	378	B.Sc.(H) Chemistry I Year
71	Soniya Kumari	481	B.Sc.(H) Chemistry I Year
72	Srishti	484	B.Sc.(H) Chemistry I Year
73	Supriya Patel	587	B.Sc.(H) Chemistry I Year
74	Supriya Suman	617	B.Sc.(H) Chemistry I Year
75	Swetha Gopan C	217	B.Sc.(H) Chemistry I Year
76	Tanu	570	B.Sc.(H) Chemistry I Year
77	Tanu	508	B.Sc.(H) Chemistry I Year
78	Tanu Chaudhary	239	B.Sc.(H) Chemistry I Year
79	Tanu Chaudhary	239	B.Sc.(H) Chemistry I Year
80	Tanu Yadav	488	B.Sc.(H) Chemistry I Year
81	Urfi Aaliya	493	B.Sc.(H) Chemistry I Year
82	Vanshika	47	B.Sc.(H) Chemistry I Year
83	Varsha Meena	482	B.Sc.(H) Chemistry I Year
84	Vashu Yadav	522	B.Sc.(H) Chemistry I Year
85	Vedhika Salgotra	355	B.Sc.(H) Chemistry I Year
86	Vernika Kashyap	568	B.Sc.(H) Chemistry I Year
87	Vidyanshi Singh	159	B.Sc.(H) Chemistry I Year
88	Vijeta Sharma	446	B.Sc.(H) Chemistry I Year



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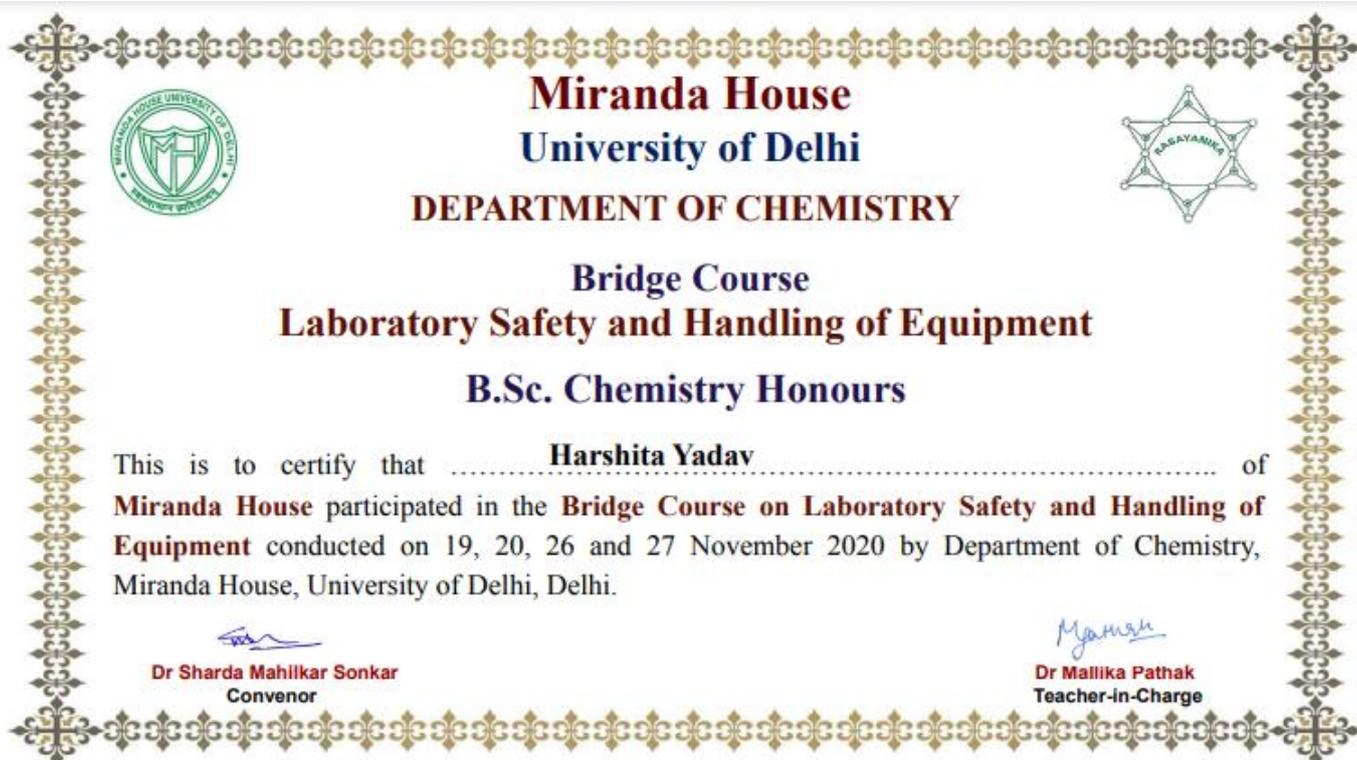
S.No.	Name	Roll No.	Course Name
1	Aaom Mit Lepcha	1727	B.Sc. Life Science I Year
2	Aayushi	1704	B.Sc. Life Science I Year
3	Anjali Mishra	1710	B.Sc. Life Science I Year
4	Anupama	852	B.Sc. Life Science I Year
5	Arpita	1457	B.Sc. Life Science I Year
6	Bhagyalakshmi	371	B.Sc. Life Science I Year
7	Bhavya Matta	1729	B.Sc. Life Science I Year
8	Bhoomi Goel	548	B.Sc. Life Science I Year
9	Disha Karare	614	B.Sc. Life Science I Year
10	Divya	468	B.Sc. Life Science I Year
11	Ekta	99	B.Sc. Life Science I Year
12	Garima Arora	753	B.Sc. Life Science I Year
13	Harshita Sharma	1697	B.Sc. Life Science I Year
14	Ishita Sukhija	712	B.Sc. Life Science I Year
15	Janvi Rajani	426	B.Sc. Life Science I Year
16	Kanchan Sumberia	437	B.Sc. Life Science I Year
17	Kanika	167	B.Sc. Life Science I Year
18	Khushboo Yadav	580	B.Sc. Life Science I Year
19	Manya Vashishtha	698	B.Sc. Life Science I Year
20	Nashiha	1469	B.Sc. Life Science I Year
21	Neha Gantayat	717	B.Sc. Life Science I Year
22	Nidhi Narasimha Prabhu	726	B.Sc. Life Science I Year
23	Niharika Jakhar	29	B.Sc. Life Science I Year
24	Nisha Priya	1700	B.Sc. Life Science I Year
25	Nitika	1504	B.Sc. Life Science I Year
26	Parimeeta Sharma	1694	B.Sc. Life Science I Year
27	Pooja Yadav	365	B.Sc. Life Science I Year
28	Riya Chopra	314	B.Sc. Life Science I Year
29	Sanjana Roy	393	B.Sc. Life Science I Year



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30	Shakeela Kouser	440	B.Sc. Life Science I Year
31	Sheetal Goyal	303	B.Sc. Life Science I Year
32	Shreya Rawat	1699	B.Sc. Life Science I Year
33	Shreya Saxena	771	B.Sc. Life Science I Year
34	Sindhu Khanna	546	B.Sc. Life Science I Year
35	Sukriti Sharma	1706	B.Sc. Life Science I Year

Number of students successfully completing the course: 123





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On 12 February 2021, Department of Chemistry, Miranda House organized an **International Webinar on "Empowering Diversity in Science"** as part of **GWB- IUPAC** where the keynote speakers were Dr Jyoti Marwah, Director of Mussoorie Fragrance and Flavours Institute and high-altitude Wellness Center from

Aroma Tourism and Dr. Shirin Ashraf, Scientist of MRC Centre for Virus Research, University of Glasgow. Dr Shirin Ashraf spoke about their research activities and motivated the young students to continue with academics in scientific disciplines. The feedback for the Webinar was incredibly great.

This event also commemorated the International Day of Women and Girls in Science – 11 February. This special day aims to increase awareness about the important role that women and girls can, and do, play in science and technology.

The link for the events are <https://youtu.be/Tbz1QgcU7FY> and <https://youtu.be/lriHerQASaI>.



*Miranda House
University of Delhi*

International Webinar
on
Empowering Diversity in Science
and celebration of
International Day of Women and Girls in Science





organized by
Department of Chemistry

Keynote Speakers

<p><i>Decoding the healing power of aromas</i></p> <p>Dr Jyoti Marwah, Director Mussoorie Fragrance and Flavours Institute & High Altitude Wellness Centre for Aroma Tourism</p>	<p><i>Virus discovery in sub- Saharan Africa using next generation sequencing</i></p> <p>Dr Shirin Ashraf, Scientist MRC Centre for Virus Research, University of Glasgow</p>
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Registration link:
<https://forms.gle/hCOTkPALXYHrqaYP6>

In case of any query, please contact:
Dr Lata Rana (8266805482)
Dr Preeti Droliya (8447831203)

Friday
2:00 pm, 12 February 2021

Registration free
e-Certificate to all registered attendees

Email:
<http://www.mirandahouse.ac.in>
iupac@mirandahouse.ac.in



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Zoom Meeting

You are viewing Shirin Ashraf's screen

Miranda House Shirin Ashraf Shavani Malika Pathak Sujata Sengupta Amrita Sheikh

Science & Research

The diagram illustrates the process of science and research. On the left, a hand is shown placing colorful puzzle pieces into a blue brain silhouette. An arrow points from this brain to a larger, more complete brain silhouette on the right, also composed of colorful puzzle pieces.

Funding & Support:

- MRC-CVR
- UVRI
- Medical Research Council
- Wellcome Trust
- Carnegie Trust

Thank you
Questions?

Unmute Stop Video Security Participants 129 Polls Chat Share Screen Record Breakout Rooms Reactions More

Type here to search

4:45 PM
2/12/2021



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International Virtual Conference Chemistry - the catalyst for change



19 - 20 February 2021
2:00 pm

Organised by:
Department of Chemistry,
Miranda House
University of Delhi

Patron:
Dr Bijayalaxmi Nanda
Acting Principal
Miranda House
University of Delhi

Registration link:
<https://forms.gle/MdXf92GuP36KwyCJ8>
Registration free
e-Certificate to all registered attendees

In case of any query, please contact:
Dr Lata Rana (8266805482)
Dr Preeti Droliya (8447831203)

Keynote Speakers

Day 1



Dr Jyoti Marwah
Director
Mussoorie Fragrance and Flavours Institute
&
High Altitude Wellness Centre for Aroma Tourism



Dr. Nagendra Kaushik
Associate Professor
Department of Electrical and Biological Physics
Kwangwoon University, Seoul

Day 2

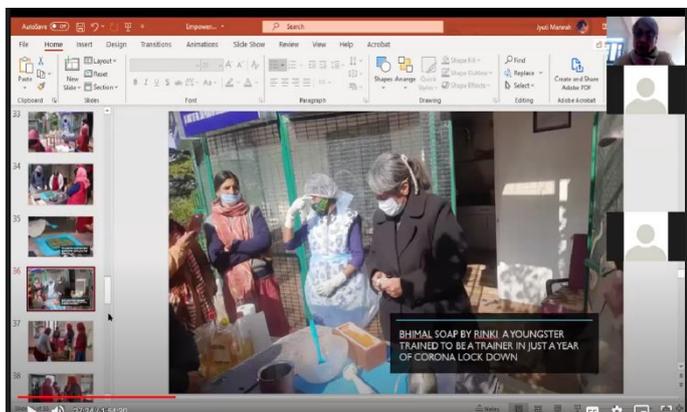


Dr Ramesh Gardas
Professor
Department of Chemistry
Indian Institute of Technology, Madras



Dr Phalguni Rath
Postdoctoral Researcher
Wellcome Centre for Human Genetics
University of Oxford, UK

An International Virtual Conference '*Chemistry - the Catalyst for Change*' was organized on 19-20 February 2021. Four keynote speakers spoke on diverse topics ranging from science as a tool for empowering communities, plasma bioscience and medicine, ionic liquids as environmentally benign solvents and *CRISPR* mediated gene splicing. The lectures were greatly appreciated by the participants. The inspiring lectures were delivered by Dr Jyoti Marwah, Dr Nagendra Kaushik, Professor Ramesh Gardas and Dr Phalguni Rath.





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Part B.3

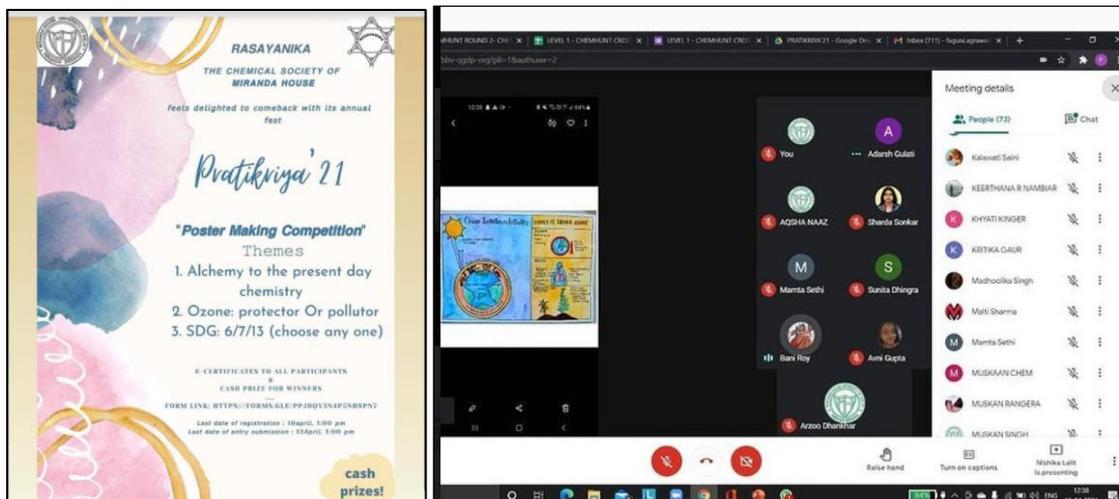
Any other event organized as part of students' activities (not listed above)

Pratikriya' 2021

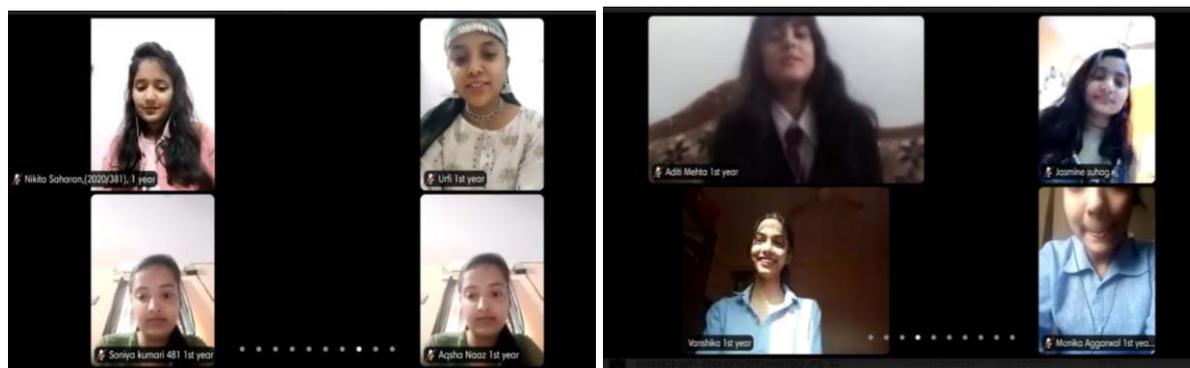
For the first time, the annual festival of **Rasayanika- 'Pratikriya'**, was conducted online. The festival majorly included three activities: Paper Presentation Competition, Poster Making Competition and Chem Hunt. Topics of environmental concern were chosen for poster making and paper presentation. There was active participation from many students across the colleges of University of Delhi and other Universities and finally four winners were chosen by the judges. Superannuated faculty members of Chemistry Department; Dr Sunita Dhingra and Dr Adarsh Gulati and present faculty members Dr Malti Sharma and Dr Saloni Bahri judged various competitions. Winners of Paper presentation were Bhumika, Anfas and Sayantan. Certificate of appreciation was given to Pooja Meena. 'Urfi Aaliya', 'Nishika Lalit' and 'Ojaswita Pant' managed to secure first, second and third position respectively in poster making competition. 'Chem Hunt' was carried out in three rounds. First one was 'Crossword' from which 10 participants went to the second round 'Chem Trivia', which filtered out 5 participants for the third and final round 'Lock and Key'. The winners for this game were: Kalpana (first position) and Urfi (second position). Rasayanika tried its best to make this event interesting despite being online.



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The virtual *Freshers*’ welcome party for the first-year students was organized by the student members of *Rasayanika* on 5 February 2021. The new students participated enthusiastically. The event started with a welcome speech given by the president of the *Rasayanika* and welcome of students by teachers. Few games, dance & poetry competitions were also held for the freshers and the event came to an end with the declaration of Miss Freshers and Runner Ups. It was a very entertaining and refreshing event for everyone.





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Owing to the ongoing pandemic, the **Farewell party** of the outgoing batch of 2020 was held virtually on 29-07-2020.



Farewell of Batch-2020



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Awards and recognition received

During this academic session, once again, various scholarships have been awarded to the B.Sc (Honours) Chemistry students. INSPIRE Scholarship from Department of Science and Technology, Government of India, JKPMSSS by AICTE Jammu, Punjab State Scholarship and Promotion of Science Education Haryana State Scholarship to name a few.

Some students of the B.Sc (Honours) Chemistry II year class have done the department proud by receiving recognition for their participation in co-curricular activities - sports and NCC. On 12 November 2020, Ms Reetika Kumari received an award of Rupees four lakhs from the Chief Minister, Government of Delhi under the '*Sportspersons - Mission Excellence Scheme*'. Ms Reetika has also received gold medals at the '*Erobern Sports Fest 2020*' held at Miranda House and the '*Inter College Taekwondo Championship 2020*'. Ms Priya Kumari, an NCC cadet, was selected as a member of the '*Special National Integration Camp*' held in January 2021. Both Ms Priya and Ms Raveena, another NCC cadet, were selected to participate in the '*Prime Minister's NCC Rally*' held on 28 January 2021.

A number of prestigious College awards went to Chemistry students including the

1. Pooja Yadav was awarded "Dr. Lakshmi Chand Dayawanti Memorial Award"
2. Archana Kumari was awarded "Naunit Ram Ahuja Award"
3. Saumya Tyagi was awarded "Dr. Anita Tandon Award"
4. Pooja was awarded "GK Dhingra Award"
5. Rubal was awarded with two prestigious "Anu Bedi Award" and "Miranda House Alumnae Association Awards"
6. Nikita Grover and Ankita Duggal were awarded first and second prize for "Pushpa Goyal Memorial Awards for Excellence in Chemistry"
7. Nikita Grover also received "Academic Award for securing highest cumulative marks in University Examination semester 1 to semester 4"
8. "Ved Jolly Resilience Awards for Motivated Scholars" was awarded to three Chemistry Students, one from each year - Shipli Yadav (1st year), Archana Kumari (2nd year) and Varnika (3rd year).



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9. Chetna was awarded Certificate of appreciation under "Miranda House Golden Jubilee Awards" as well as the Certificate for the best volunteer of MH Environment Society, Vatavaran.
10. Certificate was given to Guddoy Tarishma for her outstanding contribution to the foreign students' society.