



# Miranda House

## UNIVERSITY OF DELHI

### Departmental Annual Report Departmental Activities: Curriculum and Beyond

**Society: Rasayanika**

**Year: 2023-2024**

**Staff Advisors:** Dr. Nutan Rani and Dr. Sujata Sengupta

**Office Bearers:**

President	Vice President	General Secretary	Treasurer
Bhama M	Lisha	Hiteshi Gehlawat	Kirti Kaushal

*Rasayanika*, the Chemical Society, Miranda House, has had an active and enriching academic session during 2023-24. It was actively involved in **organizing** various **seminars and workshops** to create a holistic environment of learning beyond classrooms. Key activities also included arranging **Bridge Course**, Freshers' Welcome, Farewell party, lectures by various eminent speakers and Student Excursion.





# Miranda House

## UNIVERSITY OF DELHI

---

### ORIENTATION OF BATCH 2023-26

As the **new academic session officially began**, on **August 8, 2023**, the Department of Chemistry, Miranda House **warmly welcomed** the incoming batch of 2023-2026. The **orientation session** aimed to introduce the new students to the society and its activities. The session commenced with Dr. Sujata Sengupta (staff advisor *Rasayanika*), provided an overview of the department, the course structure and syllabus to the freshers. Following this, the council members introduced themselves and outlined the various events and activities planned for the academic year.

At the conclusion of the session, attendees were given refreshment coupons and enjoyed a brief tour of the campus. The core team guided the new students through the visually appealing facilities, including labs, classrooms, and libraries. The day ended with *Rasayanika* extending a warm welcome to all new students, wishing them success and a fulfilling journey at Miranda House.



### ACTIVE LEARNING WORKSHOP

In an effort to promote creative teaching strategies and raise student interest in the latest topics of chemistry, the Department of Chemistry, Miranda House, organized an **Active Learning Workshop in Chemistry** on 8 August 2023. With an aim to share ideas and best practices in chemistry instruction, this session was especially created for the teachers and students of **Lotus Valley International School in Gurugram**. Prof. (Dr) Smriti Sharma Bhatia and Dr Sujata



# Miranda House

## UNIVERSITY OF DELHI

---

Sengupta from the department delivered lectures on key areas - **Computational and Green Chemistry**. A practical - hands on session was conducted - demonstrating various active learning techniques and best practices of the department. Teachers that use active learning tactics can help students develop a deeper understanding of the material and take an active role in their own education. We thank the students from Lotus Valley International School in Gurugram for their enthusiastic engagement and look forward to working together to further the field of chemistry teaching in the future.





# Miranda House

## UNIVERSITY OF DELHI



### RASAYANIKA

*The Chemical Society*  
MIRANDA HOUSE

Invites

**LOTUS VALLEY INTERNATIONAL SCHOOL,  
GURUGRAM**

For

## Active Learning Workshop in Chemistry

 8 August 2023

 9.00 am - 1.00 pm

 Miranda House,  
University of Delhi, Room no. 145

Teacher-in-charge:  
Prof. KALAWATI SAINI

For any queries contact:  
BHAMA, M(President) : 94005 66470  
LISHA(Vice-president) : 7988572122







# Miranda House

## UNIVERSITY OF DELHI

---





# Miranda House

## UNIVERSITY OF DELHI

---

### INTERNATIONAL CONFERENCE ON SMART CONSUMPTION AND SUSTAINABLE LIVING - 2023

The Department and Rasayanika were proud to organize the International **Conference on Smart Consumption and Sustainable Living (ICSCSL 2023)** on the **theme Approaches to Combat Environmental Pollution** from 24 - 25 August 2023. The event saw **seven sessions** involving prominent scientists addressing the students and faculty.

**DAY 1:** The first day began with a warm welcome extended to the chief guest, **Prof. Sushma Yadav**, Pro Vice Chancellor at the Central University of Haryana. The NCC cadets escorted Prof. Yadav to the venue. She then inaugurated the event by lighting the ceremonial lamp. The proceedings commenced with her welcome address, and the Principal presented her with a token of remembrance.





# Miranda House

## UNIVERSITY OF DELHI

---



The first lecture was delivered by **PROF. CHANDER KUMAR SINGH**, Head and Professor of Department of Natural and Applied Sciences TERI School of Advanced Studies, Delhi. Prof. Chander Kumar Singh delivered an insightful lecture on arsenic contamination in water bodies, with a focus on South Asian countries, particularly India. He detailed the severe toxicity of arsenic, illustrating its harmful effects on individuals who consume or use arsenic-polluted water. Prof. Singh discussed various sources of arsenic pollution, such as handpumps and crops irrigated with contaminated water. Through extensive research in India, he tested numerous handpumps and discovered that nearly all handpumps in North Indian states were contaminated with arsenic. He also highlighted the impact of political factors on the severity of the issue, noting that resource allocation in parts of Punjab was suboptimal. Prof. Singh recommended transitioning from handpumps to wells and mentioned efforts to assist local communities with alternative solutions, although some residents were reluctant to cooperate.

The second lecture of the day was delivered by **Prof. Dinesh Kumar**, Professor and Principal Scientist at Center for Environment Science and Climate Resilient Agriculture (CESCRA), Indian Agricultural Research Institute – IARI, Delhi, delivered a presentation on **biomass burning**, with a particular focus on rice residue burning. He outlined the various adverse effects of biomass burning, including increased pollution levels, deterioration of water quality, reduced crop yield and farm income, and negative impacts on human health.



# Miranda House

## UNIVERSITY OF DELHI

---

Prof. Kumar described the practice of burning crop residues by farmers in Haryana and Punjab, which has led to significant ecological issues. This practice results in the emission of greenhouse gases such as nitrous oxide, methane, carbon dioxide, as well as aerosols and toxic gases. He explained that biomass burning negatively affects soil by altering its texture, composition, pH, and fertility, which in turn reduces productivity and disrupts the regulating ecosystem. He also highlighted that major global challenges include overpopulation and climate change.



The final lecture of the day was delivered by Dr. Shyamala Mani, Senior Advisor for WASH and Waste Management at the Public Health Foundation of India and the Centre for Environmental Health, addressed the pressing need to address human greed, which drives the relentless exploitation of natural resources without consideration for replenishment. She emphasized the importance of recognizing and controlling our consumption and production patterns to support the sustainability of circular economies. Dr. Mani discussed the physical and psycho-social impacts of climate change on the Indian subcontinent, highlighting its effects on agriculture, water resources, health, energy, transportation, tourism, and disaster management. She noted the increased vulnerability to climate extremes such as tropical cyclones, crop losses, and droughts. These conditions contribute to severe consequences, including heat stress-related deaths, urban flooding, heat and cold waves, and the spread of communicable diseases like malaria, dengue, and cholera. These issues result in substantial economic and social burdens on the country and its population.





# Miranda House

## UNIVERSITY OF DELHI



### DAY 2

**SHRI VED PRAKASH MISHRA**, Director CAQM & HSM division (MOEF&CC) was the **guest of honor** and delivered the welcome address.

**DR. JITENDER KUMAR**, CMO (Psychiatrist) & Nodal Officer (Bio- medical Waste Management), Hindu Rao Hospital Delhi, spoke on the chemistry of Biomedical wastes. He started his lecture by showing a video about biomedical waste management which was practiced during the COVID-19 pandemic in hospitals. He talked about the bio-medical waste management rules, the need for proper waste management, and **salient features of BMW Management Rules, 2016**. He told us about punishment for noncompliance, like the occupier or an operator of a common bio-medical waste treatment facility shall be liable for all the damages caused to the environment, imprisonment for five years, or a fine of one lakh rupees. The lecture was greatly appreciated by the participants. The lecture was enlightening and knowledgeable. The presentation was so very good that he gained all the attention of the audience.





# Miranda House

## UNIVERSITY OF DELHI

---

**DR. ALOK MUKHERJEE**, Scientific Secretary SASCOM and Centre on Global Change South Asi, highlighted the role that the average person may play in implementing sustainable practices into our daily lives and preventing the spread of calamity and dread among living things. He started his lecture with the hope of bringing about a better change in nature, above and beyond the exploitation done by mankind already. His lecture focused on the integrated data analysis and the qualitative junction between geographical, atmospheric, climatological, and physical studies to ensure that data and reforms are better collectivized into operating in a more efficient and quick manner. He brought to light the sickened conditions of hill stations due to insensitive tourism practices.



**DR. PANKAJ KUMAR**, Senior Policy Researcher Institute for Global Environmental Strategies (IGES), Japan, gave an invigorating talk about his research on the scientific feat achieved towards building and using AI models to predict water quality and water quantity in areas vulnerable to water availability and the other river basins of two rivers of Manila. He lectured about capacity building and training like software at affordable costs for developing countries has been undertaken him enthusiastically to ensure equitable research and development for a sustainable future. He while undertaking his research, also highlighted how he and his team identified factors that will affect water availability and the steps to be undertaken to assess the health impacts in flood situations and drought conditions. He is currently working as Senior policy researcher in the field of water resources and climate change adaptation.



# Miranda House

## UNIVERSITY OF DELHI

---



The last and final lecture of the event was given by **PROF. KAUSHAL KUMAR SHARMA**, Dean, School of Social Sciences and Professor, Centre for Study of Regional Development Jawaharlal Nehru University (JNU). Prof. Sharma spoke about globalization, technology transfer, precision agriculture, and policymaking in terms of the environment and agricultural aspects. Citing examples of the vulnerability of places like Himachal Pradesh and Uttarakhand, he brought to light the dire ramifications of human encroachment into nature and the unfathomable wrath it is inflicting on the natural environment. He urged students to be conscious of the fact that 'nature tends to work according to its own goodwill and not according to how humans want it to act' and at the same time lectured about the need to make conscious and sensitive choices toward the nature by making manageable choices in our lifestyle.





# Miranda House

## UNIVERSITY OF DELHI



### International Conference On Smart Consumption and Sustainable Living ICSCSL 2023

Theme: Approaches to Combat Environmental Pollution

**Patron**  
  
Prof. Kanchahal Shukla  
Principal  
Miranda House

**Speakers**



**Prof. Dinesh Kumar Sharma**  
Professor/Principal Scientist  
Centre for Environment, Science and  
Sustainable Agriculture (CESAS)  
All India Agricultural Research Institute  
(AIARI)  
India



**Prof. Kanchahal Shukla**  
Dean, School of Social Sciences  
Professor, Centre for the Study of Regional Development  
Jawahar Lal Nehru University (JNU)  
India



**Dr. Shikha Kumar**  
Joint Director  
Nodal Officer (Bio Medical Waste  
Management)  
Gurgaon Hospital  
India



**Dr. Chandra Kumar Sharma**  
Head and Associate Professor  
Department of Natural and Applied Sciences  
TUMS



**Dr. Anshu Mukherjee**  
Associate Professor  
Department of Natural and Applied Sciences  
TUMS

24-25 August 2023

Miranda House, University of Delhi



### Registration Details

Student (UG)	INR 350/-
Student (PG)	INR 700/-
Researcher	INR 1500/-
Faculty/Scientist/ Industry	INR 2500/-

**Eco-friendly sustainable registration kits with planters for all!**

Account Holder: Principal, Miranda House  
Bank Name: State Bank of India  
Branch: Miranda House, North Campus  
Account Number: 10481301302  
IFSC Code: SBIN0010434  
MICR: 130002430  
*\*(Give the transaction details for uploading)*

Registration Link <https://forms.gle/v7WRrR5KrVpM2b6>  
*\*Limited Seats Only*

**Call for abstracts**  
Send Abstracts on [icscsl23@mirandahouse.ac.in](mailto:icscsl23@mirandahouse.ac.in)  
before 20 August 2023.  
Selected articles to be published as Conference Proceedings  
in a Journal with an ISSN.

**For more details, visit**  
[icscsl.org](http://icscsl.org)



### International Conference on Smart Consumption and Sustainable Living ICSCSL 2023

Theme: Approaches to Combat Environmental Pollution

24-25 August 2023  
Miranda House  
University of Delhi  
Delhi India

**Chief Guest**  
  
Prof. Sushma Yadav  
Vice Vice-Chancellor  
Central University of Haryana  
Haryana

**Guest of Honour**  
  
Sh. Vaid Prakash Mishra  
Director  
HEM Division,  
Ministry of Environment,  
Forest & Climate Change  
(MOEF&CC)  
Delhi





# Miranda House

## UNIVERSITY OF DELHI

  
**International Conference On  
Smart Consumption and Sustainable Living**  
ICSCSL 2023  
Theme: Approaches to Combat Environmental Pollution

24-25 August 2023  
Miranda House, University of Delhi

Day 1: Thursday, 24 August 2023	
IST (hrs)	Event
9:00-10:00	Registration
10:00-11:00	Inaugural Session Address of Honourable Chief Guest Prof. Sushma Yadav, Pro Vice-Chancellor, Central University of Haryana
11:00-11:15	Tea Break
11:15-12:15	Lecture 1 Prof. Chander Kumar Singh Arsenic Contamination of Ground Water: Insights, Challenges, and Mitigations
12:15-13:15	Lecture 2 Prof. Dinesh Kumar Sharma Quantification of Impact of Biomass Burning on Ecosystem Services
13:15-14:15	Lunch
14:15-15:15	Lecture 3 Dr. Shyamala K. Mani The Role of Waste Management in Smart Consumption and Sustainable Living
15:15-17:00	Oral Presentation / Poster Presentation
17:00-17:15	High Tea

  
**International Conference On  
Smart Consumption and Sustainable Living**  
ICSCSL 2023  
Theme: Approaches to Combat Environmental Pollution

24-25 August 2023  
Miranda House, University of Delhi

Day 2: Friday, 25 August 2023	
IST (hrs)	Event
10:00-11:00	Address of Guest of Honor Shri V P Mishra, Director CAQM & BSM division (MOEF&CE)
11:00-11:15	Tea Break
11:15-12:15	Lecture 1 Dr. Jiender Kumar Promoting Ecological Balance through Innovative Biomedical Waste Management Strategies and Conscious Lifestyle
12:15-13:15	Lecture 2 Dr. Alok Mukherjee Impact of Climate Change and Natural Hazards on Sustainable Living, Biodiversity of Mountainous Terrain and Indo Gangetic Plains- Coping Strategies
13:15-14:15	Lunch
14:15-15:15	Lecture 3 Dr. Pankaj Kumar Socio-hydrological Approach for Water Resource Management and Human Well-being
15:15-16:15	Lecture 4 Prof. Kanchal Kumar Sharma Globalization, Technology, Policy, and Precision Agriculture
16:15-17:45	Voluntary Session
16:45-17:00	High Tea







**Miranda House**  
UNIVERSITY OF DELHI



INTERNATIONAL CONFERENCE ON SMART CONSTRUCTION AND SUSTAINABLE LIVING ICSSL 2023 (IN)							
S.NO/Name	Affiliation	Contact Info	Category	Participation	ROOM 1	ROOM 2	ROOM 3
1	Janu Mithu	9876543210	Student	Attending			
2	Janu Mithu	9876543210	Student	Attending			
3	Janu Mithu	9876543210	Student	Attending			
4	Janu Mithu	9876543210	Student	Attending			
5	Janu Mithu	9876543210	Student	Attending			
6	Janu Mithu	9876543210	Student	Attending			
7	Janu Mithu	9876543210	Student	Attending			
8	Janu Mithu	9876543210	Student	Attending			
9	Janu Mithu	9876543210	Student	Attending			
10	Janu Mithu	9876543210	Student	Attending			
11	Janu Mithu	9876543210	Student	Attending			
12	Janu Mithu	9876543210	Student	Attending			
13	Janu Mithu	9876543210	Student	Attending			
14	Janu Mithu	9876543210	Student	Attending			
15	Janu Mithu	9876543210	Student	Attending			
16	Janu Mithu	9876543210	Student	Attending			
17	Janu Mithu	9876543210	Student	Attending			
18	Janu Mithu	9876543210	Student	Attending			
19	Janu Mithu	9876543210	Student	Attending			
20	Janu Mithu	9876543210	Student	Attending			
21	Janu Mithu	9876543210	Student	Attending			
22	Janu Mithu	9876543210	Student	Attending			
23	Janu Mithu	9876543210	Student	Attending			
24	Janu Mithu	9876543210	Student	Attending			
25	Janu Mithu	9876543210	Student	Attending			
26	Janu Mithu	9876543210	Student	Attending			
27	Janu Mithu	9876543210	Student	Attending			
28	Janu Mithu	9876543210	Student	Attending			
29	Janu Mithu	9876543210	Student	Attending			
30	Janu Mithu	9876543210	Student	Attending			
31	Janu Mithu	9876543210	Student	Attending			
32	Janu Mithu	9876543210	Student	Attending			
33	Janu Mithu	9876543210	Student	Attending			
34	Janu Mithu	9876543210	Student	Attending			
35	Janu Mithu	9876543210	Student	Attending			
36	Janu Mithu	9876543210	Student	Attending			
37	Janu Mithu	9876543210	Student	Attending			
38	Janu Mithu	9876543210	Student	Attending			
39	Janu Mithu	9876543210	Student	Attending			
40	Janu Mithu	9876543210	Student	Attending			
41	Janu Mithu	9876543210	Student	Attending			
42	Janu Mithu	9876543210	Student	Attending			
43	Janu Mithu	9876543210	Student	Attending			
44	Janu Mithu	9876543210	Student	Attending			
45	Janu Mithu	9876543210	Student	Attending			
46	Janu Mithu	9876543210	Student	Attending			
47	Janu Mithu	9876543210	Student	Attending			
48	Janu Mithu	9876543210	Student	Attending			
49	Janu Mithu	9876543210	Student	Attending			
50	Janu Mithu	9876543210	Student	Attending			

36	Jeffrey P S	Moranda House	9/10/200541	Student (JCS)	Atending	Sheld - <i>Sheld</i>
37	Jeffrey Christopher	Moranda House	8/10/200527	Student (JCS)	Atending	Sheld - <i>Sheld</i>
38	Jefferson Gude	Moranda House	8/8/200601	Student (JCS)	Atending	Sheld - <i>Sheld</i>
39	Joseph Kenneth	Moranda House	8/2/18/2004	Student (JCS)	Atending	Sheld - <i>Sheld</i>
40	Joan Sarkis	JMS	7/2/200445	Student (PCS)	Poster	Sheld - <i>Sheld</i>
41	Joseph Agnew	Moranda House	6/18/201012	Student (JCS)	Atending	Sheld - <i>Sheld</i>



69	Melissa Roy	Miranda House	805 582 255	Student (U3)	Attending		Yes	Yes
70	Melanie Sharma	Miranda House	858 76866	Student (U3)	Attending		Yes	Yes
71	Melanie Shyns	Miranda House	855 445254	Student (U3)	Attending		Yes	Yes
72	Melanie Meehan	St. Andrew's College	895 84244	Student (U3)	Attending		Yes	Yes
73	Melissa Brier	Miranda House	843 688 777	Student (U3)	Attending		Yes	Yes
74	Melanie Miller	Miranda House	855 666 222	Student (U3)	Attending		Yes	Yes
75	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
76	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
77	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
78	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
79	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
80	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
81	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
82	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
83	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
84	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
85	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
86	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
87	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
88	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
89	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
90	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
91	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
92	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
93	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
94	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
95	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
96	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
97	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
98	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
99	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes
100	Melanie Miller	Miranda House	805 330 775	Student (U3)	Attending		Yes	Yes

INTERNATIONAL CONFERENCE ON SMART CONSUMPTION AND SUSTAINABLE LIVING								
ICSCSL-2023 (N-Z)								
S.NO	Name	Affiliation	Contact No.	Category	Participation	SIGN 1	SIGN 2	SIGN 3
76	Namrata Singh	Miranda House	978840434	Student (UG)	Attending			
77	Namrata Singh	Miranda House	944584268	Student (UG)	Attending			
78	Nandana Namdar	Miranda House	961179802	Student (UG)	Attending			
79	Nandana Nayyar	Miranda House	955881844	Student (UG)	Poster			
80	Nandini Bawal	Miranda House	790679499	Student (UG)	Attending			
81	Nayisha Jenu Z	Miranda House	923781833	Student (UG)	Poster			
82	Neha Choudhary	Miranda House	943922139	Student (UG)	Attending			
83	Neha Kulkarni	Miranda House	942727185	Student (UG)	Attending			
84	Neha Joshi	Miranda House	724832874	Student (UG)	Attending			
85	Nishita Phutli	Miranda House	977926478	Student (UG)	Poster			
86	Nitish	Miranda House	927920548	Student (UG)	Attending			
87	Nishu Bansal	Miranda House	973783427	Student (UG)	Attending			
88	Nishu Sharma	Miranda House	970591879	Student (UG)	Poster, Paper			
89	Nishu	Miranda House	981745568	Student (UG)	Attending			
90	Nishu	Miranda House	953621792	Student (UG)	Attending			
91	Nishu Sharma	Miranda House	743234952	Student (UG)	Attending			
92	Nishu	Miranda House	885581843	Student (UG)	Attending			
93	Nishu	Miranda House	929737663	Student (UG)	Attending			
94	Nishu Yadav	SHAKARSHAKHAYA COLLEGE	823383638	Student (UG)	Attending			
95	Nishu Chatterjee	Miranda House	970549577	Student (UG)	Attending			
96	Nishu Ravi	Miranda House	944891159	Student (UG)	Attending			
97	Nishu Kumar	Miranda House	922755490	Student (UG)	Attending			
98	Nishu	Miranda House	930489968	Student (UG)	Poster			
99	Nishu Haddad	Miranda House	934971365	Student (UG)	Attending			
100	Nishu Singh	Miranda House	960727196	Student (UG)	Attending			
101	Nishu Gaudin	Miranda House	939722037	Student (UG)	Attending			
102	Nishu Devi Pal	Miranda House	980400278	Student (UG)	Attending			
103	Nishu	Miranda House	971154550	Student (UG)	Poster			
104	Nishu Rishi	Miranda House	983505579	Student (UG)	Attending			
105	Nishu Bhattacharya	Miranda House	945823473	Student (UG)	Poster, Paper			
106	Nishu Thakur	Miranda House	921694267	Student (UG)	Attending			
107	Nishu Choudhary	Miranda House	980641357	Student (UG)	Attending			
108	Nishu	Miranda House	981861845	Student (UG)	Poster			



**Miranda House**  
UNIVERSITY OF DELHI

[illegible]

NCC-15-Prakt yadav  
(4/4/2020)

15th INTERNATIONAL CONFERENCE ON DIABETES COMPLICATIONS AND SUSTAINABLE LIVING									
Sl.No	Name	Affiliation	Research Topic		Category	Participants	Workshop		
			Topic No	Category			Workshop 1	Workshop 2	Workshop 3
1	Prof. Dr. Anu Sharma	Dr. B.R. Ambedkar Medical College, Lucknow	21	15.01.2019	Diabetes	State Representative			
2	Dr. Anand Kumar	Dr. B.R. Ambedkar Medical College, Lucknow	22	15.01.2019	Diabetes	State Representative			
3	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	23	15.01.2019	Diabetes	State Representative			
4	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	24	15.01.2019	Diabetes	State Representative			
5	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	25	15.01.2019	Diabetes	State Representative			
6	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	26	15.01.2019	Diabetes	State Representative			
7	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	27	15.01.2019	Diabetes	State Representative			
8	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	28	15.01.2019	Diabetes	State Representative			
9	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	29	15.01.2019	Diabetes	State Representative			
10	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	30	15.01.2019	Diabetes	State Representative			
11	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	31	15.01.2019	Diabetes	State Representative			
12	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	32	15.01.2019	Diabetes	State Representative			
13	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	33	15.01.2019	Diabetes	State Representative			
14	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	34	15.01.2019	Diabetes	State Representative			
15	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	35	15.01.2019	Diabetes	State Representative			
16	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	36	15.01.2019	Diabetes	State Representative			
17	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	37	15.01.2019	Diabetes	State Representative			
18	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	38	15.01.2019	Diabetes	State Representative			
19	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	39	15.01.2019	Diabetes	State Representative			
20	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	40	15.01.2019	Diabetes	State Representative			
21	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	41	15.01.2019	Diabetes	State Representative			
22	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	42	15.01.2019	Diabetes	State Representative			
23	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	43	15.01.2019	Diabetes	State Representative			
24	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	44	15.01.2019	Diabetes	State Representative			
25	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	45	15.01.2019	Diabetes	State Representative			
26	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	46	15.01.2019	Diabetes	State Representative			
27	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	47	15.01.2019	Diabetes	State Representative			
28	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	48	15.01.2019	Diabetes	State Representative			
29	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	49	15.01.2019	Diabetes	State Representative			
30	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	50	15.01.2019	Diabetes	State Representative			
31	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	51	15.01.2019	Diabetes	State Representative			
32	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	52	15.01.2019	Diabetes	State Representative			
33	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	53	15.01.2019	Diabetes	State Representative			
34	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	54	15.01.2019	Diabetes	State Representative			
35	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	55	15.01.2019	Diabetes	State Representative			
36	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	56	15.01.2019	Diabetes	State Representative			
37	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	57	15.01.2019	Diabetes	State Representative			
38	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	58	15.01.2019	Diabetes	State Representative			
39	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	59	15.01.2019	Diabetes	State Representative			
40	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	60	15.01.2019	Diabetes	State Representative			
41	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	61	15.01.2019	Diabetes	State Representative			
42	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	62	15.01.2019	Diabetes	State Representative			
43	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	63	15.01.2019	Diabetes	State Representative			
44	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	64	15.01.2019	Diabetes	State Representative			
45	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	65	15.01.2019	Diabetes	State Representative			
46	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	66	15.01.2019	Diabetes	State Representative			
47	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	67	15.01.2019	Diabetes	State Representative			
48	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	68	15.01.2019	Diabetes	State Representative			
49	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	69	15.01.2019	Diabetes	State Representative			
50	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	70	15.01.2019	Diabetes	State Representative			
51	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	71	15.01.2019	Diabetes	State Representative			
52	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	72	15.01.2019	Diabetes	State Representative			
53	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	73	15.01.2019	Diabetes	State Representative			
54	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	74	15.01.2019	Diabetes	State Representative			
55	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	75	15.01.2019	Diabetes	State Representative			
56	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	76	15.01.2019	Diabetes	State Representative			
57	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	77	15.01.2019	Diabetes	State Representative			
58	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	78	15.01.2019	Diabetes	State Representative			
59	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	79	15.01.2019	Diabetes	State Representative			
60	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	80	15.01.2019	Diabetes	State Representative			
61	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	81	15.01.2019	Diabetes	State Representative			
62	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	82	15.01.2019	Diabetes	State Representative			
63	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	83	15.01.2019	Diabetes	State Representative			
64	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	84	15.01.2019	Diabetes	State Representative			
65	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	85	15.01.2019	Diabetes	State Representative			
66	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	86	15.01.2019	Diabetes	State Representative			
67	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	87	15.01.2019	Diabetes	State Representative			
68	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	88	15.01.2019	Diabetes	State Representative			
69	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	89	15.01.2019	Diabetes	State Representative			
70	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	90	15.01.2019	Diabetes	State Representative			
71	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	91	15.01.2019	Diabetes	State Representative			
72	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	92	15.01.2019	Diabetes	State Representative			
73	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	93	15.01.2019	Diabetes	State Representative			
74	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	94	15.01.2019	Diabetes	State Representative			
75	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	95	15.01.2019	Diabetes	State Representative			
76	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	96	15.01.2019	Diabetes	State Representative			
77	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	97	15.01.2019	Diabetes	State Representative			
78	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	98	15.01.2019	Diabetes	State Representative			
79	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	99	15.01.2019	Diabetes	State Representative			
80	Dr. P. S. Sankar	Dr. B.R. Ambedkar Medical College, Lucknow	100	15.01.2019	Diabetes	State Representative			

Project name	Administrative Summary of Activities	Resource	Time Period (1970-1971)	Notes
1. George Bush	2. David	3. David	4. David	5. David
6. George Bush	7. David	8. David	9. David	10. David
11. George Bush	12. David	13. David	14. David	15. David
16. George Bush	17. David	18. David	19. David	20. David
21. George Bush	22. David	23. David	24. David	25. David
26. George Bush	27. David	28. David	29. David	30. David
31. George Bush	32. David	33. David	34. David	35. David
36. George Bush	37. David	38. David	39. David	40. David
41. George Bush	42. David	43. David	44. David	45. David
46. George Bush	47. David	48. David	49. David	50. David
51. George Bush	52. David	53. David	54. David	55. David
56. George Bush	57. David	58. David	59. David	60. David
61. George Bush	62. David	63. David	64. David	65. David
66. George Bush	67. David	68. David	69. David	70. David
71. George Bush	72. David	73. David	74. David	75. David
76. George Bush	77. David	78. David	79. David	80. David
81. George Bush	82. David	83. David	84. David	85. David
86. George Bush	87. David	88. David	89. David	90. David
91. George Bush	92. David	93. David	94. David	95. David
96. George Bush	97. David	98. David	99. David	100. David
101. George Bush	102. David	103. David	104. David	105. David
106. George Bush	107. David	108. David	109. David	110. David
111. George Bush	112. David	113. David	114. David	115. David
116. George Bush	117. David	118. David	119. David	120. David
121. George Bush	122. David	123. David	124. David	125. David
126. George Bush	127. David	128. David	129. David	130. David
131. George Bush	132. David	133. David	134. David	135. David
136. George Bush	137. David	138. David	139. David	140. David
141. George Bush	142. David	143. David	144. David	145. David
146. George Bush	147. David	148. David	149. David	150. David
151. George Bush	152. David	153. David	154. David	155. David
156. George Bush	157. David	158. David	159. David	160. David
161. George Bush	162. David	163. David	164. David	165. David
166. George Bush	167. David	168. David	169. David	170. David
171. George Bush	172. David	173. David	174. David	175. David
176. George Bush	177. David	178. David	179. David	180. David
181. George Bush	182. David	183. David	184. David	185. David
186. George Bush	187. David	188. David	189. David	190. David
191. George Bush	192. David	193. David	194. David	195. David
196. George Bush	197. David	198. David	199. David	200. David
201. George Bush	202. David	203. David	204. David	205. David
206. George Bush	207. David	208. David	209. David	210. David
211. George Bush	212. David	213. David	214. David	215. David
216. George Bush	217. David	218. David	219. David	220. David
221. George Bush	222. David	223. David	224. David	225. David
226. George Bush	227. David	228. David	229. David	230. David
231. George Bush	232. David	233. David	234. David	235. David
236. George Bush	237. David	238. David	239. David	240. David
241. George Bush	242. David	243. David	244. David	245. David
246. George Bush	247. David	248. David	249. David	250. David
251. George Bush	252. David	253. David	254. David	255. David
256. George Bush	257. David	258. David	259. David	260. David
261. George Bush	262. David	263. David	264. David	265. David
266. George Bush	267. David	268. David	269. David	270. David
271. George Bush	272. David	273. David	274. David	275. David
276. George Bush	277. David	278. David	279. David	280. David
281. George Bush	282. David	283. David	284. David	285. David
286. George Bush	287. David	288. David	289. David	290. David
291. George Bush	292. David	293. David	294. David	295. David
296. George Bush	297. David	298. David	299. David	300. David
301. George Bush	302. David	303. David	304. David	305. David
306. George Bush	307. David	308. David	309. David	310. David
311. George Bush	312. David	313. David	314. David	315. David
316. George Bush	317. David	318. David	319. David	320. David
321. George Bush	322. David	323. David	324. David	325. David
326. George Bush	327. David	328. David		

### PRIZE WINNERS :

PRIZE WINNERS		
ORAL PRESENTATION COMPETITION	Category – 1 UG/PG Students	
	Shinjinee Bhattacharyyaa	FIRST PRIZE
	Himanshi and Aastha Bhasin	SECOND PRIZE
	Kunali Gautam	THIRD PRIZE
	Category – 2 Research Scholars, Faculty Members and others	
	Gayatri J	FIRST PRIZE
	Ramya KR	SECOND PRIZE
	Anisha and Srinikanth Reddy	THIRD PRIZE
Poster Making Competition		
	Category – 1 UG/PG Students	
	Jyostina Verma , Josiah Jose Kadithala	FIRST PRIZE
	Anshika Jaiswal	SECOND PRIZE
	Palak Sharma	THIRD PRIZE
	Malavika V and Vedanti Sunil Bhardwaj	CERTIFICATE OF APPRECIATION
	Chitra Shankar	CERTIFICATE OF APPRECIATION
	Category – 2 Research Scholars, Faculty Members and others	
	Sethupathi N , Ayan Sarkar	FIRST PRIZE
Lokender Singh	SECOND PRIZE	
Kokila M	CERTIFICATE OF APPRECIATION	



# Miranda House

## UNIVERSITY OF DELHI

---



### PLANTATION DRIVE

On August 31, 2023, the Department organized a **plantation drive** as an extension of the ICSSL initiative. Faculty, laboratory staff, and students took part enthusiastically, planting a diverse range of plants across the college grounds. This effort underscored the **group's commitment to sustainable development and environmental stewardship**. By planting trees and enhancing green spaces, we are actively working to create a healthier and more resilient planet for future generations. We extend our gratitude to all the teachers, students, and lab staff who contributed to the success of the plantation drive. Let us continue to work together to preserve our natural heritage and build a greener, more sustainable future.





# Miranda House

## UNIVERSITY OF DELHI







# Miranda House

## UNIVERSITY OF DELHI

### TEACHER'S DAY

On September 5, 2024, Rasayanika celebrated Teachers' Day, to honor and express gratitude to the teachers of the Chemistry Department. The event was simple, heartfelt, and well-attended by the entire department. The celebration began with a cake-cutting ceremony led by our teacher-in-charge, Prof. (Dr) Kalawati Saini. Students from all three years joined in to sing "Happy Teacher's Day" in unison, creating a lively and joyous atmosphere in the classroom. The cake was later shared among the students, and many moments were captured in both hearts and photographs. The day was further enriched by students who brought flowers to express their appreciation, making the occasion even more special for the teachers.



### PARLIAMENT VISIT

On September 21, 2023, 78 students from Miranda House, including students of the department, accompanied by coordinators Ms. Shruti Sharma Sethi, Ms. P Lishinai Paoteimai, and Dr Shivani Kumari, visited the new **Parliament House**. Upon arrival, the group was warmly welcomed by officials who provided an overview of the new Parliament building's facilities, including its graphical interface, smart displays, and infrastructure. The group was then permitted to view the ongoing parliamentary session from the visitor's gallery. During their visit, they observed debates on the **Women Reservation Bill, 2023**, and discussions on the **success of Chandrayaan 3**. The students had the exciting opportunity to see prominent political figures such as S. Jaishankar, Anurag Thakur, and Jaya Bachchan. The visit to the Sansad Bhawan, a key symbol of the nation's democracy, was both motivating and inspiring.



# Miranda House

## UNIVERSITY OF DELHI

---



### FRESHERS 2023

Fresher's party “**Silsila Mulaqat ka**” was organized by *Rasayanika* on 10 October 2023 to welcome the new students to the department. The fresher's got the chance to display their talent through an impressive ramp walk and performed with several impressive musical performances. The event was then enlightened by the teachers with the word of guidance and seniors with their amazing dance performances. Ms. Akansha Singh was declared as **Miss Fresher of the year**, Sristi Singh and Soumya Mall were 1<sup>st</sup> and 2<sup>nd</sup> runners up respectively. The special title of **Ms Theme** was given to ‘**Neha Choudhary**’ who dressed up in Himanchal Ethnic. It was in all a very cheerful and memorable day.





# Miranda House

## UNIVERSITY OF DELHI







# Miranda House

## UNIVERSITY OF DELHI

### Lecture Series on "Chemistry for Life: Bonding Through Chemistry"

*Rasayanika* organized a lecture series titled "**Chemistry for Life: Bonding Through Chemistry**," held on October 19, 20, and 27, 2023. The first session on October 19, 2023, featured **Ms. Shivani Gupta** from the Academy for Life Skills. In her talk, Ms. Gupta explored the role of chemistry in everyday life and addressed various queries regarding career opportunities in the field. Her session was highly informative and well-received by the attendees. On October 20, 2023, the second session was led by **Prof. Sameer Sapra** from the Department of Chemistry at IIT Delhi. Prof. Sapra presented a simplified explanation of "**Quantum Dots**" and subsequently answered students' questions related to nanoscience, enhancing their understanding of this advanced topic. The final lecture of the series took place on October 27, 2023, with **Dr. Rachna Prasad**, Senior Scientist at the Centre for Biomedical Engineering, AIIMS, Delhi, as the speaker. Dr. Prasad delivered an enriching and insightful session, contributing significantly to the students' knowledge in the field. Overall, the lecture series provided valuable information and sparked engaging discussions on various aspects of chemistry, greatly benefiting the participants.

The poster features a background image of the Miranda House building. At the top, it displays the Department of Chemistry logo and the text 'DEPARTMENT OF CHEMISTRY MIRANDA HOUSE'. Below this, a yellow banner reads 'PRESENTS LECTURE SERIES ON CHEMISTRY FOR LIFE: BONDING THROUGH CHEMISTRY'. Three circular portraits of the speakers are shown: Ms. Shivani Gupta, Prof. Sameer Sapra, and Dr. Rachna Prasad. Their names and affiliations are listed below each portrait. A table at the bottom provides the dates and times for the three sessions, along with the venue. The names of the organizing faculty members, Prof. Kalawati Saini and Prof. Bijayalaxmi Nanda, are listed at the very bottom.

DEPARTMENT OF CHEMISTRY  
MIRANDA HOUSE

PRESENTS LECTURE SERIES  
ON  
CHEMISTRY FOR LIFE: BONDING THROUGH CHEMISTRY

Ms. Shivani Gupta  
Academy for life skills

Prof. Sameer Sapra  
Department of Chemistry  
IIT Delhi

Dr. Rachna Prasad  
Senior Scientist  
Centre for Biomedical Engineering  
AIIMS, Delhi

DATE & TIME		VENUE
Oct 19, 2023	10:30 am -12:30 pm	158 (Mini auditorium)
Oct 20, 2023	3:00 pm - 4:30 pm	Room No. 145
Oct 27, 2023	11:00 am -12:30 pm	158 (Mini auditorium)

Prof. Kalawati Saini  
Teacher-in-Charge  
Department of Chemistry  
Miranda House

Prof. Bijayalaxmi Nanda  
Principal  
Miranda House



# Miranda House

## UNIVERSITY OF DELHI

---



### INTERACTIVE SESSION WITH PROF. MORTEN P MENDAL

It was an honor and pride for Miranda House to welcome Professor Morten P. Mendel, Nobel Laureate in Chemistry, 2022, and his wife Dr. Phaedria Marie St. Hilaire, a Life Sciences Business Leader and DEIB Advocate, for an interactive session with faculty and students on 1st February, 2024. Professor Morten P. Meldal is a Danish chemist and Professor at the University of Copenhagen and Head of the Center of Evolutionary Chemical Biology, UCPH, Denmark. He was awarded the 2022 Nobel Prize in Chemistry along with Prof. Barry Sharpless and Prof. Caroline Bertozzi for their groundbreaking development of 'click





# Miranda House

## UNIVERSITY OF DELHI

chemistry and bioorthogonal chemistry'. Professor Meldal highlighted the importance of chemistry as a central science and its role in everyday life - from pharmaceuticals to agriculture and biomedical research. He further shared stories from his journey as a researcher and his experiences as a Noble Prize awardee. Much to the students' surprise and delight, Prof Meldal displayed his Noble Prize Medal to the audience. In simple words he explained the chemistry behind click chemistry, particularly highlighting its role in green and sustainable chemistry. When asked about the future direction of chemistry, Prof. Meldal felt click chemistry in the future years will revolutionize the pharmaceutical and polymer industry. His words were an inspiration to the young minds of Miranda House. Dr. St. Hilaire advocated the need for young women to pursue careers in STEM. She discussed the importance of women in leadership roles and breaking the barrier for betterment of the society. Students asked a variety of questions -ranging from the stereoselectivity of the click reactions to its applications in the pharmaceutical industry and the obstacles young women often face while pursuing careers in science. The event was truly a remarkable one which would remain in the memories of students for a long time.

**MIRANDA HOUSE**

**INTERACTIVE SESSION**  
With  
**Professor Morten P. Meldal**  
University of Copenhagen, Denmark

**THURSDAY**  
1 FEBRUARY 2024  
**TIME** 12:00 PM  
**VENUE** AUDITORIUM

**WINNER OF**  
THE NOBEL PRIZE  
IN CHEMISTRY 2022  
*For the Development of  
Click Chemistry and  
Bioorthogonal Chemistry*

Organizers:  
Prof. Rekha Kumari, Department of Zoology  
Dr. Sujata Sengupta, Department of Chemistry

Prof. Bijayalaxmi Nanda  
Principal



# Miranda House

## UNIVERSITY OF DELHI



### Invited Talk by Prof. Alka Sharma

On February 27, 2024, *Rasayanika*, had the honor of hosting **Prof. Alka Sharma** from the Department of Chemistry at the University of Rajasthan, Jaipur, for an interactive talk with students. The Department of Chemistry organized this informative session. Prof. Sharma commenced her talk with an overview of her educational background and career. She then delved into the topics of nanomaterials and eco-sustainability, presenting these complex concepts in an engaging and accessible manner. The session was both enlightening and thought-provoking, attended by approximately 40 students. Following her presentation, Prof. Sharma participated in a Q&A session, addressing all student inquiries with clarity and insight. She underscored the importance of having good mentors, teamwork, and maintaining consistency in one's efforts to achieve success. The event concluded with a token of appreciation presented by Prof. Kalawati Saini, acknowledging Prof. Sharma's valuable contribution to the session.



# Miranda House

## UNIVERSITY OF DELHI



**RASAYANIKA**

**THE CHEMICAL SOCIETY  
MIRANDA HOUSE**

Organizes  
Invited Talk



## NANOMATERIALS & ECO-SUSTAINABILITY



27 FEBRUARY 2024  
03:00 PM  
Room No.:150

### SPEAKER

**PROF ALKA SHARMA**

Department of Chemistry  
University of Rajasthan  
Jaipur



### FOR QUERIES

BHAMA M (PRESIDENT) - 9400566470  
LISHA (VICE PRESIDENT) - 7988572122





# Miranda House

## UNIVERSITY OF DELHI

---





# Miranda House

## UNIVERSITY OF DELHI

---

### IUPAC-GWB 2024

**IUPAC Global Women Breakfast** is a global event celebrated to amplify the voices of women in the field of STEM. Although women continue to make significant progress in the field of science, strong efforts have to be taken to bridge the wide gap and disparity in their participation. As a women's institution, Miranda House continuously strives to promote young girls of the country to pursue careers in the science fields. For the past five years, the **Department of Chemistry has been actively participating in IUPAC GWB** - which is **celebrated in conjunction with the United Nations International Day of Girls in Science** and aims to promote women taking up careers in STEM. This year, the Department of Chemistry, Miranda House in collaboration with **Indraprastha Vigyan Bharati** organized a **two-day International Lecture Series in celebration of IUPAC - Global Women's Breakfast (GWB) 2024 and National Science Day 2024 on 26 and 28 February 2024**. The theme for IUPAC GWB 2024 was "**Catalyzing Diversity in Science**". A curtain raiser webinar was held on 26th February 2024 and **Dr Phaedra Marie St. Hilarie**, Life science business leader, DEIB Advocate and Angel investor addressed the audience with her lecture titled: Navigating Gender Diversity in Science. She highlighted the difficulties women often face while pursuing careers in science and the need for more women to overcome the challenges and take up careers in science. Both faculty and students found the session extremely enriching and thought provoking. In celebration of National Science Day, on 28th February 2024, the Department of Chemistry in collaboration with Vigyan Indraprastha Bharati, organized two seminars on the theme: Indigenous Technologies for Viksit Bharat. The two distinguished speakers for the day were **Dr. Rama Jayasunder**, Professor and Head of the Department of NMR, AIIMS and **Dr. Munmun Ghosh**, Assistant Professor, Department of Chemistry, Ashoka University. Dr Rama Jayasunder addressed the young audience with a talk titled: Ordinary Women, Extraordinary in Pre-Independent India. She highlighted the role played by Indian women in pursuit of knowledge in the sciences - their struggles and success. Dr Munmun Ghosh spoke about her research in the area of hydrogen fuel cells - a clean and flexible energy carrier. Both the sessions were enlightening and knowledgeable and well appreciated by faculty and students.






# Miranda House

## UNIVERSITY OF DELHI

Viksit Bharat@2047

Department of Chemistry  
Miranda House  
In Collaboration With  
Indraprastha Vigyan Bharati  
celebrates  
IUPAC GWB-2024  
and  
National Science Day  
presents  
International Seminar on Catalyzing Diversity in Science





**Curtain Raiser Webinar**  
**Dr Phaedria Marie St.Hilaire**  
Life Science Business Leader, DEIB Advocate, Angel Investor  
"Navigating Gender Diversity in Science"

Details  
Date : 26 FEBRUARY, 2024  
TIME : 5:00 pm

Viksit Bharat@2047

Department of Chemistry  
Miranda House  
In Collaboration With  
Indraprastha Vigyan Bharati  
celebrates  
IUPAC GWB-2024  
and  
National Science Day 2024  
on the theme  
Indigenous Technologies for Viksit Bharat

  
**Dr. Rama Jayasundar**  
Professor & Head  
Department of NMR  
AIIMS

  
**Dr. Munmun Ghosh**  
Assistant Professor of Chemistry  
Ashoka University

Details  
Date : 28 FEBRUARY, 2024  
TIME : 10:00 am  
Venue: Room 145

Google Meet interface showing a video conference in progress. The meeting title is "ikv-jgcx-vvq". The interface displays a grid of participants, including Dr. Phaedria St. Hilaire, Chemistry Google Meet Id, Principal Miranda, Sharda Sonkar, The Chemical Society, Miranda Ho..., Malu Sharma, SHIVANI SINGH, 45 others, and BHAMA M. The right sidebar shows the "People" list with 54 contributors, including BHAMA M (You) as the meeting host, AANYA Singh, AARUSHI chem, Aayushi Sharma, and ADITI SHARMA. The bottom status bar shows the time as 5:52 PM on 2/26/2024.



# Miranda House

## UNIVERSITY OF DELHI





# Miranda House

## UNIVERSITY OF DELHI

---

### PRATIKRIYA 2024

On March 19, 2024, the *Rasaynika* hosted its annual fest, "**Pratikriya**," showcasing the theme "**Shades of Green**," which **focused on sustainability and green chemistry**. The fest featured a series of engaging activities, including guest lectures, alumni interactions, and various student competitions.

The day began with an insightful **lecture by Ms. Somya Satsangi**, Independent Director at Dr. Lal PathLabs. With over 28 years of experience in technology, business consulting, and human resources, Ms. Satsangi delivered a compelling talk on the scope of chemistry in various disciplines and its impact on the business sector.

Following Ms. Satsangi's lecture, the "**Rasayanika Rebonding**" session featured successful alumni from the department. The **alumni—Swati Jain, Ruchi Sharma Pandey, Akanksha Chauhan, Kanika Jain, Ekta Sangwan, and Priyanka Jain**—shared their experiences and provided valuable insights into life at Miranda House, as well as opportunities available both during and after college.

The afternoon was filled with a range of competitions for students from Miranda House and other institutions. These included:

- **Eureka Paper Presentation Competition:** Focused on the Nobel Prize 2023-winning discovery and applications of quantum dots. The presentations, judged by Dr. Vineeta and Ms. Priyanka Jain, showcased groundbreaking research in nanoscale semiconductor particles.
- **Prayog Lab Work Competition:** Tested students' practical skills and knowledge through hands-on lab activities and identification of equipment and glassware.
- **Sci-Quiz:** Covered topics related to carbon allotropes and quantum dots, featuring a preliminary round on carbon allotropes and a final round on quantum dots.
- **Sci-Lens Photography Competition:** Encouraged participants to capture scientific concepts through photography based on the theme "Science Around You." The judging panel, including Dr. Saloni Bahari and Dr. Somdutta Sinha Roy, evaluated the creativity and thematic relevance of the submitted images.

"*Pratikriya*" effectively highlighted the expansive influence of chemistry through its educational and interactive elements. The event not only provided a platform for intellectual exchange but also fostered creativity and engagement among participants. Special thanks are due to the department teachers, *Rasayanika* society members, Chem Academy, and all volunteers who contributed to the fest's success. Their efforts in organizing, coordinating, and executing various aspects of the event ensured a memorable and impactful experience for everyone involved.





# Miranda House

## UNIVERSITY OF DELHI

 **Rasayanika**   
The Chemical Society  
Miranda House  
*celebrates*  
**Pratikriya'24**  
**Date: 19 March, 2024**

   
Rasayanika Rebonding  
Sci-Quiz  
Eureka: Paper Presentation Competition  
Sci-Lens  
Prayog  
Stalls and more..... 

For Queries Contact:  
Bhama M(President):9400566470  
Lisha(Vice President):7988572122

 **Rasayanika**   
The Chemical Society  
Miranda House  
*celebrates*  
**Pratikriya'24**  
*presents*  
**Interactive Session**

  
Ms. Somya Satsangi  
Independent Director at Dr Lal PathLabs

 Scan To Register

For Queries Contact:  
Bhama M (President):9400566470  
Lisha (Vice President):7988572122

 19 March 2024  
 10:00 am  
 Room No. 158







# Miranda House

## UNIVERSITY OF DELHI

---





# Miranda House

## UNIVERSITY OF DELHI

---



Competition	Placeholder	Positions
Eureka Paper Presentation Competition	Megha Roy and Shinjinee Bhattacharya	1 <sup>st</sup> place
	Kunali Gautum and Chitra Sharma	2 <sup>nd</sup> place



# Miranda House

## UNIVERSITY OF DELHI

---

	Jaya Kumari and Himanshi	3 <sup>rd</sup> place
Prayog Lab work competition	Ankit Kumar Yadav	1 <sup>st</sup> place
	Ayushi Agrawal	2 <sup>nd</sup> place
	Karunya Nagda	3 <sup>rd</sup> place
Sci-Quiz	Tanuja and Aditi Sharma	1 <sup>st</sup> place
	Aastha Bhasin and Diksha Sharma	2 <sup>nd</sup> place
	Anshika Sharma and Shatakshi	3 <sup>rd</sup> place
Sci-Lens Photography Competition	Ujjwal Singh	1 <sup>st</sup> place
	Aakash Ghawri	2 <sup>nd</sup> place



# Miranda House

## UNIVERSITY OF DELHI

	Anushka Sahu and Saksham Yadav	3 <sup>rd</sup> place
--	-----------------------------------	-----------------------

### Hands-On Training Workshop on Analytical Instrumentation Techniques

*Rasayanika* hosted a **One-day Hands-On Training Workshop on Analytical Instrumentation Techniques** as the final event for the academic session 2023-24 and was held on April 23, 2024. This workshop aimed to provide students with practical experience and insights into analytical instrumentation, focusing on essential tools such as spectrophotometers and chromatographs, and their applications in research and industry.

The event began with an inaugural ceremony featuring the lighting of the lamp and a welcome address by Prof. (Dr) Kalawati Saini. The chief guests, **Prof. S. Murugavel**, Director of USIC at the University of Delhi, and **Prof. Subho Mozumdar** from the Department of Chemistry, University of Delhi, delivered inspiring addresses, sharing their achievements, and encouraging future scientists.

The theoretical portion of the workshop commenced with a lecture by **Prof. Sunil K. Sharma** on UV-VIS Spectroscopy and Mass Spectrometry. Prof. Sharma introduced the basics of electronic transitions and demonstrated how fragmentation patterns in mass spectra can reveal compound structures. **Prof. P. Venkatesu** gave an in-depth lecture on Absorbance Spectroscopy and Fluorescence Spectroscopy, particularly in relation to biomolecules.

**Resource persons Mr. Partha Sen and Mr. Vikrant Goel from Agilent Technologies India Pvt. Ltd.** introduced their company's range of analytical instruments, including FTIR machines, UV spectrometers, and Liquid Chromatography tandem Mass Spectrometry (LC-MS) systems. They provided an overview of these instruments' functionalities and engaged the audience with interactive quizzes. In the practical session, participants were divided into two groups to explore the instruments firsthand. They operated the FTIR (Fourier Transform Infrared Spectroscopy) machine and the UV-VIS spectrometer, analyzing unknown samples and interpreting the resulting data. This hands-on experience allowed participants to apply their theoretical knowledge and gain practical skills.

The workshop concluded with participants gaining valuable insights into analytical instrumentation techniques. The success of the event was due to the dedication of the faculty, guest speakers, volunteers, and the active participation of attendees. The Department looks forward to such enhanced collaborations with industry partners to further enrich learning experiences, fostering innovation and skill development.





# Miranda House UNIVERSITY OF DELHI



दिल्ली विश्वविद्यालय  
University of Delhi



Agilent Technologies

## ONE DAY HANDS ON TRAINING WORKSHOP ON ANALYTICAL INSTRUMENTATION TECHNIQUES

APRIL 23, 2024  
Department of Chemistry, Miranda House,  
University of Delhi, Delhi-110007

**From Theory to Application**



**Time:**  
9.00 AM to 5.00 PM

**Resource Persons:**  
Prof. Subho Mozumdar,  
Department of Chemistry, DU  
Prof. S.K. Sharma  
Department of Chemistry, DU  
Prof. P. Venkatesu  
Department of Chemistry, DU  
Mr. Partha Sen,  
Mr. Krishanu Pal,  
Vikrant Goel  
Agilent Technologies  
India Pvt. Ltd.

**Registration Fees:**  
UG : Rs.300/-  
(Limited to MH Students)  
Ph.D./Faculty : Rs. 800/-  
Last date for registration:  
April 20, 2024, 17.00 IST.

Patron: Prof. Bijaylaxmi Nanda,  
Principal, Miranda House  
Convener: Prof. Kalawati Saini (TIC)  
(MH, Chemistry, DU)  
Co-Convener: Dr. Nutan Rani,  
Prof. Smriti Sharma Bhatia  
(MH, Chemistry, DU)

**Registration Link:**  
<https://forms.gle/qPXjAyeYG8Kj5UPn9>

**Venue:** Room No.145, Department of  
Chemistry, Miranda House, University of  
Delhi, Delhi-110007

Contact us:  
Miranda House,  
Department of Chemistry, DU  
Organizing Secretary: Dr. Swati Rani (+919870363326),  
Dr. Preeti Bralijo, Dr. Yogesh Kumar  
Treasurer: P. Lishinai Paoteimai (+918375907413),  
Dr. Sapna Yadav  
email: plishinai.paoteimai@mirandahouse.ac.in  
Student Co-ordinator: BHAMA M (9400566470), Lisha (7988572122)





# Miranda House

## UNIVERSITY OF DELHI

---





# Miranda House

## UNIVERSITY OF DELHI

---



A handwritten signature in blue ink that reads "Nutan".

---

Dr. Nutan Rani

Staff Advisor

A handwritten signature in blue ink that reads "Sujata Sengupta".

---

Dr. Sujata Sengupta

Staff Advisor

A handwritten signature in blue ink that reads "Bhama M".

---

Bhama M

President