

Departmental Annual Report – 3 Departmental Activities: Curriculum and Beyond

Society: Rasayanika Year: 2022-2023 Staff Advisors: Dr. Poonam and Dr. Deepti Rawat Office Bearers:

President	Vice President	General Secretary	Treasurer
Garima Rajain	Anjali Kumari Narnolia	Vantika Raj	Harshita Raj



Rasayanika, the Chemical Society of Miranda House organized an enlightening lecture on "Role of grainy-head like transcription factor in Breast Cancer" on 13th July 2022, Wednesday. The seminar was held at 2 pm in lecture hall number 145, Miranda House in offline mode. A total of 57 students from the chemistry department participated in the event. The seminar started with a warm welcome of the speaker of the event, Dr Neha Kaushik by Dr. Sujata Sengupta.

Dr Neha Kaushik is presently a professor in the Department of Biotechnology, University of Suwon, Korea. She has worked as a research professor in the College of Natural Sciences, Hanyang University. Her fields of research are molecular biology, cancer research, herbal medicine and cell biology. The lecture covered various methods of cancer treatment, from the conventional method of radiation oncology to the new age plasma assisted drug - delivery method. The session was very enlightening and knowledgeable. Her presentation drew the audience in and held their attention for full two hours. Finally, a token of remembrance was given by Dr Sujata.













Rasayanika, the Chemical Society in collaboration with Department of Physical Education and Sports Sciences, Miranda House organised a Zumba Session on the occasion of National Sports Day on 29 August 2022, Monday. With the strike of 7:30 AM in the morning, the sports ground saw all the enthusiasts ready to dance away to the music beats. The instructor for the session was Mr. Kartik Mansion. Total 77 students from Chemistry Department and in total around 164 students from different departments actively participated in this fun event.

To commemorate the birth anniversary of hockey legend Major Dhyan Chand, the session was aimed to honor the sporting legend and create awareness about the importance of sporting activities in everyday life, with a focus on fitness and health. The session started with some warm-up activities followed by energetic dance moves on beats which made this ice-breaking session more than a workout. It began with slow music and gradually increased intensity over time. With the release of endorphins, the students danced to the beats and let their worries sweat out. Owing to its health benefits, including mind relaxation, stress management, and physical fitness, the session was so joyous, refreshing, revitalizing, and full of energy. It ended on high note with a speech stressing upon the contribution of Major Dhyan Chand and importance of a healthy routine and mental well-being in our life.

The event was a success in every respect and proved to be a fruitful experience for the students of Miranda House.











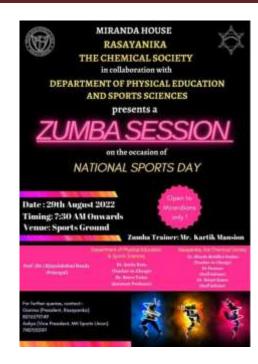














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On 5th September, 2022, at 12:45pm, the jubilant students of the chemistry department gathered at Science Lawn to celebrate the Teachers' Day. The decoration spoke volume about the efforts that have gone into it. It started with the cake cutting ceremony by the learned faculty members. Beautiful handmade greeting cards were given as a token of appreciation for all the selfless support and guidance they provide. The broad smile on their faces was the moment of ultimate pride and satisfaction for the organising team. The great day ended with a small and lovely photograph session so as to make the day even more memorable.



In short, the aim to honour and pay gratitude to our teachers was unquestionably achieved. The day was of pure bliss and blessings.







On 16th September 2022, "RASAYANIKA"- The Chemical Society of Miranda House, University of Delhi organised an offline seminar on 'General Glassware Training and its Applications', in collaboration with Borosil Limited. The session witnessed the speaker Mr. Sandeep Nagle - Assistant Manager of Borosil Limited, providing insightful information on the topic. He made the students aware about manufacturing of laboratory glasswares, qualities of laboratory glassware, annealing thermal shock resistant and many more properties. He elucidated over the requisite laboratory precautions and appealed to the students to follow the same.

Lastly, the session ended with gifting the speaker a token of thanks. A count of around 110 attended this one hour session and left the lecture hall with high appreciation.















UNIVERSITY OF DELHI

On 29th September, 2022, two buses carrying 61 students of chemistry department with 4 escorts including three faculty members and one Lab staff were boarded from the Miranda House, University of Delhi at around 8:30 am for an educational trip. This educational trip was organized by Rasayanika, the Chemical Society of Miranda House to the Yakult Danone India Pvt Ltd located in Sonepat, Harayana. The group was received by Muskan Kaushal, PR and QE Department and was first provided a detailed lecture on history and evolution of Probiotics. The science behind Yakult was nicely explained and students were the presentation also briefed about the Shirota-ism philosophy, the Japanese philosophy on which the concept of Yakult is based. Next the students were given a factory tour that is to say they visited different rooms while seeing the demonstration of production process, packaging and more. The instructors also talked about the health benefits of Yakult, supporting each statement with worldwide proven facts. Besides these informative inputs the trip was too much fun. Throughout the trip the enthusiasm of girls could be seen at its peak.













Dear Garima Ma'am,

Greetings from Yakult!

Thank you for showing interest in

Yakult factory tour. In the reference to your request, we can plan your physical visit on 29th Sept-2022 at 12:30pm, but there are some protocols that are mandatory to follow for the Yakult factory visit.

- 1. Wearing Mask (voluntary, up to visitors) 2 Double dose of vaccination is
- required for everyone
- 3. Cold and cough infected individuals will not be allowed (
- if found they must wait inside the bus)

The duration of the session at the factory is approx. 1.5 hrs. We can accommodate 120 students at a time. Following are the activities we organize

for students in factory: -> Presentation on probiotics, their history and relevance in maintaining good health

=> Watch the production process

Kindly acknowledge your suitability for the same, after that we will confirm your visit.



Rasayanika Mir... 2 days ago to Swati ~

Greetings Ma'am

This is to bring in your kind notice that 66 students from chemistry department, Miranda House along with few teachers will be coming on 29 September 2022, Thursday. We will adhere to the given time and reach the site at 12:30 pm.

Thanking you

Regards Garima President **Chemistry Department**

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MIRANDA HOUSE

DEPARTMENT OF CHEMISTRY

Consent Form for Outstation Trip

1 understand that a group of students, teachers and laboratory staff from the Chemistry Department, Miranda House are schedules to go for an educational trip from Delhi to Sonipat, Vakult Danone India Pvt. Ltd. On 29.09.2022 (One Day Only) I hereby consent to my daughter/ward accompanying this group.

Signate	are yr
Name.	Vijay Kumar
Father/	Mother/Guardian of:
Name	Anjali Sharma
Class	3rd year
Date	25 sept 2020
Place	kaithal, haryana



On 11th October, 2022, a crowd of 500 + girls with palpable excitement filled the auditorium of Miranda House, University of Delhi as they witnessed the warm entry of renowned personalities like Abhishek Singh, Actor and IAS, Sara Ali Khan, Actress and SK Gautam, IPS, Special CP, Special Unit for Women and Children, Delhi Police. The topic of the talk show grabbed even more attention as in this technical and constantly socializing world the cases of getting sexually abused over something as ubiquitous as calls and texts are shamefully increasing.



The talk was a part of the #NoShameMovement, organised by NSS in collaboration with Department of Chemistry, Miranda House. This movement is a step towards addressing the vulnerabilities that young girls face due to "non-consensual image sharing" also known as "revenge porn". It is seen that girls generally don't approach the police because of the fear of victim blaming and shaming. Their young age makes them even more vulnerable. In such a helpless situation they become more liable to be exploited, even to the extent that they are coerced to commit crimes. Therefore, it becomes very important that these young victims should be provided appropriate legal guidance, institutional support from the state authorities and psychological counselling.

In his address Abhishek Singh, IAS and Actor, highlighted the fact that how this No Shame Movement aids the girls in providing legal assistance in filing of police complaint and in removing the stigma attached to the display of a woman's sexuality. Sara Ali Khan in her wise and power packed words urged the Mirandians to not feel ashamed of the victim and face the guilty boldly. She motivated the girls to be self-sufficient, free of self-doubt and instilled the idea of women supporting women. SK Gautam, IPS informed how there are varied ways in which sexual abuse like sexting, stalking and more are reported and how the police laws and regulations can be a support in such cases.

The session then was open to question and answers from the audience in which they actively participated while raising most serious questions related to girl child, women education, case of Chandigarh University and prevention from all such cases.

Amid the hype of having such famous personalities in the auditorium, the conversation reflected the concern related to the issue and how the society is continuously getting more and more aware about the same as shame and blame should have no place in our body, mind or spirit.











ey say a treasured memory is the lasting gift of e well spent and 31st October, 2022 was indeed a utiful day of sharing and earning some precious nories with the epitome of eloquence and wledge, Dr. Amrita Tripathi Sheikh. On the erannuation ceremony of Dr. Amrita ma'am, the ılty and students altogether, congratulated and ebrated her 38 years of dedication, devotion and itude at Miranda House. Rasayanika will truly s one of its brightest and will seek for her dance time and again.











November 2, 2022 was the day of giving a warm and fluffy hug to the new members of Rasayanika. On this day the Chemical Society of Miranda House conducted its orientation for the batch of 2022-25. The session began with the Teacher Incharge, Dr. Mahilkar Sonkar explaining freshers their course structure and syllabus under the new NEP. Thereafter, the council members introduced themselves followed by a briefing on various kinds of events organized by the society. At the end of the session, they were provided with a coupon for refreshment. The core team also took them for a small tour of the aesthetic campus while acquainting them with labs, classes, libraries and more. With this Rasayanika gave a heartiest welcome to all the freshers and wished the best for their journey at Miranda House.









Rasayanika, the Chemical Society of Miranda House organized a seminar on the topic: 'Interdisciplinary Science – Why it matters?' on 3rd November, 2022. The speaker of the session, Dr. Bhumika Chaudhary is a proud alumna of Chemistry Department, Miranda House. She completed her masters from IIT Roorkee and PhD from Nanyang Technological University, Singapore. Dr. Bhumika is currently working as a scientist (R&D) at Agency for Science, Technology and Research (ASTAR), Singapore. Her research interest includes materials development, thin film/device fabrication, and characterizations for energy/applications.

In her talk, the speaker discussed about the concept and scope of Interdisciplinary Science. She mentioned how Interdisciplinarity approach brings knowledge beyond boundaries and results in advanced expertise. She also solved queries related to career choices in the aforementioned field and didn't miss to share some of her memories at Miranda House. The session was indeed a helpful one.







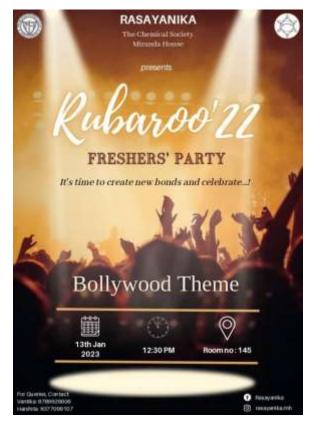
Every student eagerly awaits right from their time of admission for one of the most anticipated events of the college life, and there it was, an extraordinarily prodigious Freshers' Party, RUBAROO'22. The day, 13 January 2023 was as a memorable day in the life of every fresher when the batch was heartily welcomed to the department. The fresher's day was filled with ecstatic celebrations, thrilling games, amazing titles and memories. The dress code for the event was based on Bollywood. The event started with a formal welcome. Freshers got chance to showcase their talent by a stunning ramp walk and were open to mimic the characters they have chosen to impersonate. They performed gracefully with impressive dance and music performances. The event was then enlightened by the seniors with a word of guidance along with their amazing music and dance performances. The new comers were divided in five groups: The Walkie Talkies, The Blooming Buds, The Awesome Blossoms, The Peachy Queens and The Heart Warmers. Surprising games were organized to make the function more tricky and fun! Then the most exciting rounds for the title of Miss Fresher were conducted; the winner from each group was grinded by quickwitted questions. The celebration was driven to its end with the announcement of winner of best dressed followed by the heart-stopping announcement of Miss Freshers and Runner Up. 'Anshika Singhal' was graced as Miss Fresher for the Year, 'Monica Yadav' and 'Himanshi Yadav' were 1st and 2nd Runner - Up respectively. A special title for the Ms. Theme was given to Nandini Biswal who dressed up as Gangubai. A final vote of thanks concluded the event.













IUPAC Global Women Breakfast is a legacy of all time amplifying the voices of women and network thereof to garner support for other women in the field of STEM. Although women continue to make progress in the field of science, more mindful efforts have to be taken to bridge the wide gap and disparity in their participation. To help them acclimatise in the network of people in STEM and help them bring their own ideas on the table the organisation aims to work for gender parity. To augment the cause not just the women but people from all genders come forth to break the barriers and Miranda House never leaves a stone unturned in the cause of gender equality, thus fore shows a greater involvement in the organised breakfast and conferences under it with hackneyed and loud efforts.

This year GWB began with a curtain raiser on 13th Feb 2023, having with us Dr. Charlotte Yates, to grace the occasion and begin the overwhelming occasion with inspiration and valour. While felicitating her, Prof Bijayalaxmi Nanda, principal, Miranda House laid stress on the need for the participation of women in stem and how the GWB holds special significance for women as it in the name itself commutes women through their household to a National and international network. Dr. Charlotte Yates, President & Vice Chancellor, University of Guelph, Ontario, Canada, a persona of eminence and hard work has put all her life to research on gender, labour and interdisciplinary studies. While applauding the overarching initiative of MH and the faculty thereof, she exclaimed how inspiring it was to have such a strong institution in service to women. She talked about how research and work methodologies need to be interdisciplinary to solve the perpetual problems the world is facing. She gave a vivid picture of her research on how education has helped women to rise from interdependence to independence and how it has helped them achieve financial and social security in society, securing their rights and freedom. The participation of women in labour markets has not only included them in the community but also led to their becoming role models for the other women inserting a domino effect across the marginalised genders. Women in STEM in terms of education and faculty have made significant progress since the 90's and has allowed research to become more inclusive and helped women in vertical mobility in the social strata. Not only education but activism has shaped new ideas and helped them secure their rights in the economic and political precinct. She inspired the audience to pursue science and politics and exert a greater effect on gender equality, given the opportunities being provided to us in MH.

The second day began with the benign presence of Dr DT Selvam, Director PM & SQR, DRDO and him being felicitated by Prof Bijayalaxmi Nanda. He talked about how women can help bridge the gender gap in the field of science while collaborating with DRDO. He, while delivering the lecture made sure to ignite the minds of students and faculty with his subtle approach of lecture delivering. He talked in detail about his area of research in the field of the effect of chemicals and toxins on human health and how DRDO is working towards saving humanity and soldiers on the front from the upcoming technologies in biological/chemical warfare. Talking in detail about the types of chemicals that we endure and encounter in our daily life and the harms they can exert on human health and how to prevent and save ourselves from their lethal effects. He talked about all



types of hazards that the toxic chemicals might induce in the human regime and how it can be tackled. He briefed about the need to address the misuse of chemistry on a global level and how it has to be channelled towards a healthy and inclusive cause for the world. How it has to be used for addressing the problems of climate change. Dr. Selvam also did the honour of releasing the departmental annual magazine, Rasayani. Next lecture of Dr Shashank Deep, Professor IIT Delhi, gave peculiar nuances on his research on Alzheimer's and other brain related diseases that develop with age. He talked about how he and his teammates worked on the diagnosis and suggested treatment for the disease not only after detection but also in the early stages. Not only the medically induced drug treatment but he also gave an insight into natural forms of treatment in terms of use of curcumin. He also talked about Parkinson's disease and the similar research that his team had put forth to make the diagnosis and treatment more fruitful and mainstream for better drug development and enhanced treatment for the patients. Dr Neel Sarovar Bhavesh, Group Leader, Transcription Regulation, ICGEB. He talked about the journey towards a code for single stranded nucleic acid. He addressed the significant questions regarding the field- What is the code for single stranded nucleic acid recognition? How do proteins find their partners efficiently? He talked about how the integrated study of physics, chemistry, and biology led him to the answers of these grappling questions to unsolved the mystery of the universe. He talked about the research he undertook and the myriad efforts he had to put in to recognize a code for single stranded nucleic acid, using computing science as a tool to construct assertive models and solve the questions arising therefrom. A break that followed had an interaction with Dr. Anita Sharma, Manager at Biotech Consortium India Ltd on its other side. She took the dice with crucial information related to funds provided by DBT to students and faculty for carrying out research work. She explained the procedure of availing DBT funds in great detail. She also laid emphasis on the general mistakes done by scholars and suggested solutions to them. She provided the audience with a requisite checklist needed before and after applying for the funding. She also told about the basic guidelines on which a project work could be passed for funds, as in, it has to be a novel work, for students no single author will be considered, a twelve week advance application is a must, so on and so forth. She urged the audience to go through the BCIL website and get benefitted by the service the government is providing. After this interactive session, rounds for oral presentation started in two sections, UG/PG students were allotted room no. 145 where Dr. Brijesh Rathee, Assistant Professor, Hansraj College and Dr. Rekha, Assistant Professor, Miranda House presided over as judge, while in room no. 158 Dr. Navneet Sharma, DST Young Scientist, Department of Textile and Fiber Engineering, IIT Delhi and Dr. Monika Sharma, Associate Professor, Department of Zoology, Miranda House, judged the presentation from Research Scholars/ Faculty Members. The comprehensive works presented by presenters were indeed a testimony to the amount of effort that had gone in studying, and curating the work. Besides these the judges were also very particular about every little nuance of scientific presentations and were kind enough to educate the participants about the areas where there was a chance of improvement.



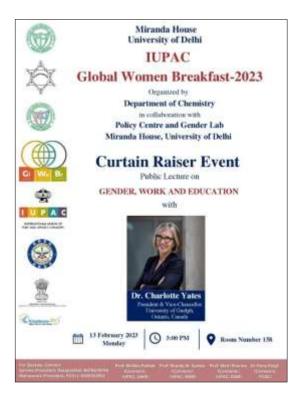
Day 3 started with a plenary address from Dr. Anil K Mishra, Director INMAS, DRDO. He gave the insights of his phenomenal research work to the audience. As to how the creation of molecules that reduces noise resulting in resolved spectra helped the researchers to study a particular disease. For such a purpose he introduced the advantages of compounds like azacrown over crown ether and the use of radioactive element Gadolinium. In his parting note he motivated the young audience to pursue research and also welcomed application for project work at DRDO. His motivating words uplifted each and every one present in the hall. Next, we had a Valedictory Session so as to felicitate all the hard-working participants who dared to take their chance and ultimately won prizes. Prof. Bijayalaxmi Nanda, Principal, Miranda House and Dr. Anil K Mishra, INMAS, DRDO were invited for this felicitation. Faces were lifted in smiles and the hall echoed with claps as the names of winners were announced one after the other.

And with a compulsory group photograph this wholesome conference was concluded. But as it is said, "A good event never ends in the world, it takes only a pause and keep us waiting for the next." The Rasayanika family too awaits to host another such enriching event.











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PAPER PRESENTATION COMPETITION

Certificates to all participants !

Exciting Prizes for the Winners

THEME

RECENT TRENDS IN CHEMICAL SCIENCES

CATEGORIES

CATEGORY 1: UG/PG Students

CATEGORY 2: Research Scholars, Faculty Members and Others

GUIDELINES

- Registration for the conference is mandatory for all the participants. Link: <u>https://forms.gle/2ZHJroDERB8VAeiF6</u>
- The topic of the presentation should be relevant to the above-mentioned themes.
- Submit an abstract of maximum 200 words with Plagiarism not more than 5%.
- The abstract should be submitted to mhrasayanika.chem@gmail.com by 10th February, 2023
- Abstract should include Title of the talk, affiliation of the author along with Email address, 3-5 keywords and references.
- Justified text, Font Style-Times New Roman (English), Font size 14 for heading, 10 for authors details and 12 for the text.
- Word file as well as PDF should be submitted.
- Acceptance for selected abstracts will be communicated via email by 13th February, 2023.
- Selected participants will be given a chance to present their work at the conference venue.
- Time for the presentation: 8+2 = 10 min with Total slides number to be 8-10 maximum.

CONTACT

- Dr Shivani Singh, Assistant Professor, Chemistry Department, Miranda House (9716907217)
- Garima Rajain, President, Chemistry Department, Miranda House (8076579749)
- Anjali Narnolia, Vice President, Chemistry Department, Miranda House (7783064391)





Miranda House

DIGITAL POSTER MAKING COMPETITION

THEME

GREEN CHEMISTRY: AN ANTIDOTE TO BROWN CHEMISTRY

"Green chemistry is replacing our industrial chemistry with nature's recipe book. It's not easy, because life uses only a subset of the elements in the periodic table. And we use all of them, even the toxic ones." - Janine Benyus

Certificates to all participants !

Annual Magazine, RASAYANI ! Exciting Prizes for the Winners

Best entries will be featured in the

CATEGORIES

CATEGORY 1: UG/PG Students

CATEGORY 2: Research Scholars, Faculty Members and Others

LANGUAGE

English OR Hindi

SUBMISSION GUIDELINES

- Prior Registration for conference is mandatory. Link https://forms.gle/2ZHJroDERB8VAeiF6
- The topic of the poster should be relevant to the above-mentioned theme.
- Dimensions of the poster should either be A3 or A2.
- Name of the participant and institution should be on the poster.
- · Posters must be submitted in the high-definition image (JPEG, JPG PNG).

LAST DATE OF SUBMISSION

10th February, 2023

CONTACT

- Dr Shivani Singh, Assistant Professor, Chemistry Department, Miranda House (9716907217)
- Garima Rajain, President, Chemistry Department, Miranda House (8076579749)
- Anjali Narnolia, Vice President, Chemistry Department, Miranda House (7783064391)

Mail your entry to mhrasayanika.chem@gmail.com





BLOG WRITING COMPETITION THEME **BREAKING BARRIERS IN SCIENCE** Science is a subject of both imagination and experiments - there ought to be no barriers to stop the scientific feat. CATEGORIES CATEGORY 1: UG/PG Students Certificates to all participants ! CATEGORY 2: Research Scholars, Faculty Members and Others Best entries will be featured in the Annual Magazine, RASAYANI I LANGUAGE **Exciting Prizes for the Winners English OR Hindi** SUBMISSION GUIDELINES · Prior Registration for conference is mandatory. Link https://forms.gle/2ZHJroDERB8VAeiF6 The Blog should be prepared in WordPress. The submission must be on the indicated theme with a prescribed word limit of maximum 1000 words Times New Roman, size 12, 1.5 space, is the minimum requirement for all entries. · All footnotes must follow a recognised universal form of citation and be written in Times New Roman 10 single-spaced. Footnotes are included in all word counts. The entry should be sent with a title for the blog (no longer than 15 words), the author's name, title, institute, phone number, and email address. · The permitted percentage of plagiarism is 15%. and if blatant plagiarism is discovered in the submitted entry's text, the entry will be rejected. · There should be enough examples. If there are any supplemental PPTs, films, tables, charts, infographics, etc., we would welcome them. · Mail your entry to mhrasayanika.chem@gmail.com by 10th February, 2023 CONTACT Dr Shivani Singh, Assistant Professor, Chemistry Department, Miranda House (9716907217) Garima Rajain, President, Chemistry Department, Miranda House (8076579749) Anjali Narnolia, Vice President, Chemistry Department, Miranda House (7783064391) Kredence-PV)



Prize winners under IUPAC GWB Conference

Paper Presentation Competition	Category – 1 UG/PG Students	
	Garima	First Prize
	Anjali Narnolia and Isha Kapoor	Second Prize
	Pankaj Kumar, Yashvardhan and Tanushree Verma	Third Prize
	Category – 2 Research Scholars, Facul	ty Members and others
	Sumit Kumar	First Prize
	Charu Upadhyay	Second Prize
	Lajpreet Kaur	Third Prize
Blog Writing Competition	Category – 1	
	Fidha Lamiya Hussein	First Prize
	Garima	Second Prize
	Harshita Raj	Third Prize
	Khyati Kinger	Certificate of Appreciation
	Category – 2	
	Lajpreet Kaur	Best Entry
Digital Poster Making Competition	Category – 1	
	Yash and Tushar	First Prize
	Palak Sharma and Prachi	Second Prize
	Pankaj Kumar, Yashvardhan and	Third Prize
	Tanushree Verma, Poonam	
	Anjali Jakhar, Brijesh, Garima Himanshi, Jaya Kumari, Kashish, Pragati, Sneha Frijo	Certificate of Appreciation
	Category – 2	
	Sapna Yadav	Best Entry



Miranda House

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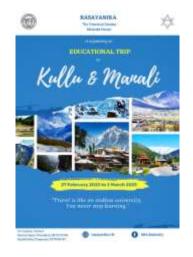


The Department of Chemistry, Miranda House organised an Educational Trip of three days and two nights (27 Feb - 2 March 2023) to Kullu, Manali and Manikaran, Himachal Pradesh. There were 45 students accompanied by two teachers and two senior laboratory staff members. The students visited Vashisht Temple, which lies over the river Beas, about 3 kilometres from Manali and then they went to Solang Valley, also known as Snow Valley. There they practiced many activities like tube ride, skating, skiing etc. The students also took a visit to Hilly Basket Local Produce (OPC) Private Limited, a food processing company in Kullu, which only sells locally made Pahadi goods, meticulously produced while taking holistic science of Ayurveda as its base. They make soaps, nuts, tea (Rohodendron Tea, Sea Buckthorn Tea), rice and many more handcrafted nature - based, food and hair & skin care product. The students reported experience in Manikaran famous for hot springs, as one of their best experiences.

All in all, it was an enjoyable experience. Through this trip everyone got a chance to feel the beauty of the nature and felt a deep connection with its enriching wealth.











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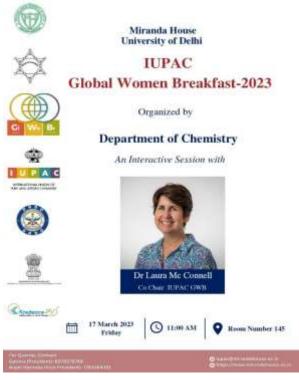
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On 17 March, 2023, the chemical society of Miranda House organized an interactive session under the banner of IUPAC Global Women Breakfast (GWB). GWB is a flagship event of the International Year of Basic Sciences for Sustainable Development aimed at bringing together people from all science disciplines. The session witnessed Dr. Laura Mc. Connell, Co-Chair, IUPAC GWB and Dr. Sangeeta Dawar Mendiratta, Lead Government Affairs at Bayer Crop Science as speaker. The renowned guests are working endlessly to build bridges between science organizations to strengthen networks to support the success of women and girls in STEM careers. On the parallel lines, they took the stage to elaborate on how GWB stresses over creating and celebrating a fraternity embracing people of all genders to overcome the barriers to gender equality in science. In the QnA round all the queries as to funding for the projects, scopes and more were patiently solved. The session was a huge a success.











UNIVERSITY OF DELHI







Chemistry is the science of substances, but it is also the science of change, and change is the essence of life. Amidst writing class notes, doing assignments, and taking quizzes, Pratikriya 2023, the annual fest of the chemistry department, Miranda House, was the one relieving change every student urged for. Pratikriya was organised on April 3, 2023, and comprised various events ranging from enlightening speaker sessions to exciting competitions.

And what could be a greater start than an uplifting session? The event started with the inaugural lecture on 'Women in Science' by Prof. Ashok Kumar Ganguli, Professor, Department of Materials Science and Engineering, IIT Delhi. In his lecture, he named a number of women scientists who had to face the gravest consequences of male dominance in the field. They were never given the recognition they deserved, rather were inordinately discouraged in their endeavours. He also made the audience aware of the doggedness, tenacity, and tremendous willpower of many other women scientists who, despite all the deterrence, made a way for themselves. It was an eye-opener session that motivated the girl students to ignore the challenges and pursue a career in science research. The session was indeed very interactive and ended with many students requesting more such sessions. Eureka, the Paper Presentation Competition followed the lecture. The theme selected for the competition was 'Chemistry in Everyday Life', which allowed students to acknowledge and appreciate the chemistry involved in every single thing happening around them. Students from various colleges showcased their knowledge and oratory skills. The jury and attendees thoughtfully interrogated each participant after they presented their complete research-based report, which proved to be exceptionally knowledgeable for everyone. In parallel, a poster-making competition on the theme 'Chemical Design for Sustainable Growth' was conducted in room no. 150, where contestants dished up their vivid imaginations, chemical expertise, and artistic talent onto a single platter. The event's theme highlighted chemistry's journey and splendour while also emphasising the necessity and application of chemistry to environmental concerns. The questions the judges posed to the participants throughout the presentation accelerated numerous learnings. The next competition was 'Sci-Lens', a photography competition in which the participants shared their knowledge and observations in chemistry via pictures. This competition was really lively and fascinating. At the same time, 'SciQuiz', an engaging quiz based on basic science and the lives of scientists, was conducted. It was a wonderfully jovial way to wrap up the festival, which was loaded with intriguing scientific facts. Besides all this, the welcoming stupendous decor, in addition to the stalls of food items, games, accessories, and more, won the real show. With every face radiating enthusiasm, the Nescafe Lawn turned into as happening place as it could ever be. At last, the announcement of the winners of each competition and words of wisdom from the senior professors brought an end to the event. The first prize in the paper presentation competition went to Palak Sharma; the second prize went to Kunali Gautam and Jyotiraditya Jaiswal. Garima Rajain, Ishita Sukhija, and Isha Kapoor and Anjali Kumari Narnolia bagged third prize. In the poster presentation, Urfi Aaliya and Tejika Chaudhary secured first and second place, respectively.



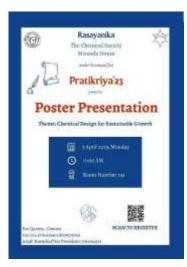
Shewta Gopan and Isha Kapoor won first and second prizes, respectively, in the Sci-Lens Competition.

The efforts of union members, supportive volunteers, eager participants, an exceptional speaker, intellectual jury members, and not to forget the equally vivacious audience, made the event a success. Overall, the annual festival was a huge success and left a lasting impression on everyone who attended.













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Department of Chemistry conducted an online IPR Awareness Programme. The programme was organized under National Intellectual Property Awareness Mission (NIPAM), a Pan India mission launched by the GOI to create awareness about intellectual property rights among students. The program is jointly implemented by the Intellectual Property Office, Ministry of Commerce and Industry, and the office of Controller General of Patents, Designs and Trade Marks (CGPDTM).

Ms. N. Kumutha, Scientist-B, Department of Civil and Engineering, Indian Institute of Technology, Patna trained the students about their intellectual property rights. She talked about copyrights, trademarks, patents, innovations, industrial designs etc. She engaged students through pictures to identify various innovations. The session was indeed very interactive and ended with many students requesting more such sessions.





Awards and Recognition Received

A number of students have illuminated the name of the Chemistry Department by receiving various accolades in academics as well as in co – curricular activities.

- 1) Garima
- Lakshmichand Dayawanti Memorial Award
- Award for Excellence (Certificate of Appreciation)
- First Prize at Inter-College Paper Presentation Competition organized by Daulat Ram College, University of Delhi
- 2) Malvika AM
 - Princeton Scholarship
- 3) Diksha Sharma
 - First Prize in Prakriti Quiz organized by Maharaja Agrasen College, University of Delhi
- 4) Swetha Gopan & Devika PS
 - Second Prize in Duet Dance Competition organized by Maharani College, Jaipur, Rajasthan
- 5) Isha Kapoor
 - First Prize in Paper Presentation Competition organized by Kirori Mal College, University of Delhi
- 6) Mahak Dangi
 - Naunit Ram Ahuja Award
- 7) Divya
- Dr. Anita Tandon Award
- Princeton Foundation Scholarship
- 8) Vedhika Salgotra
 - Second Prize in Chemistry Quiz organized by SGTB Khalsa College, University of Delhi
- 9) Kritika Gaur
 - Second Prize in Paper Presentation Competition organized under Scientia'23 by Hindu College, University of Delhi
 - First Prize in Paper Presentation Competition organized under Synergia'23 by Acharya Narendra Dev College, University of Delhi
 - Second Prize in Chemistry Quiz organized by SGTB Khalsa College, University of Delhi



10) Faguni Agrawal

- G.K. Dhingra Award
- 2nd Prize in Pushpa Goyal Memorial Awards for Excellence in Chemistry
- Mrs. Rajkumari Batta Memorial Scholarship

11) Srishti

- 1st Prize in Pushpa Goyal Memorial Awards for Excellence in Chemistry
- Academic Award

12) Komal

- Best Chemistry All Rounder Award
- Certificate for the best volunteer of MH Environment Society, Vatavaran
- Dr. Angeli Qwatra Awards of Excellence (The best student from sciences)
- Miranda House Awards of Excellence (Certificate of Appreciation)

13) Rubal

• 1st position in University Rankers Award (North Campus – 2021)

Dr. Deepti Rawat

Staff Advisor



Dr. Poonam

Staff Advisor

Garima

President