

NEWSLETTER



DEPARTMENT OF CHEMISTRY KALINDI COLLEGE

2020-21

Dr. Shilpika Bali Mehta
Teacher In Charge

Dr. Swati Aggarwal
Editor

RASA-ION, Chemical Society

KALINDI COLLEGE



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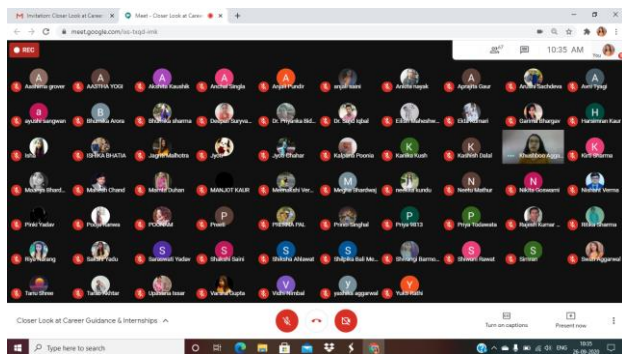
S.No.	Post	Name	Course
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5	Joint Secretary	Riya Narang	B.Sc.(H) Chemistry 2 nd Year
6	Class Representatives	<ul style="list-style-type: none">Kanika KushRakshita Raj	B.Sc.(H) Chemistry 3 rd Year
7	Class Representatives	<ul style="list-style-type: none">JagritiShivangi Barmota	B.Sc.(H) Chemistry 2 nd Year

IQAC & Rasa-ion, the Chemical Society of Kalindi College organized a Webinar on “Closer Look at Career Guidance and Internships” on 26th September 2020 from 10:30 am to 1:30 pm.

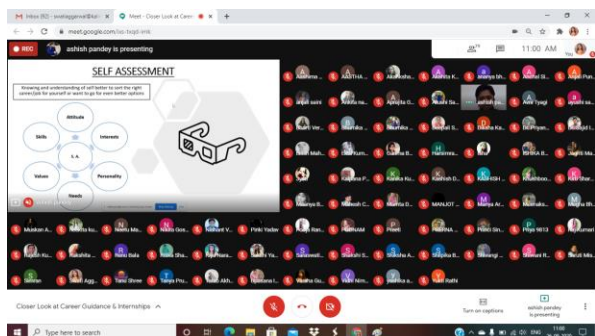
Student registrations were done using the link ‘<https://forms.gle/fexoeTu8ErFsFwQh6>’ and in all 72 students registered themselves to participate in this webinar. At the end of the program a feedback link was also shared. The program included three sessions covering the future career options after graduation in chemistry, various internships possibilities and, how to apply for internships. These

aspects were discussed by our guest speakers, Dr. Ashish Pandey and Dr. Kavita Varshney.

Students of B.Sc. (H) Chemistry, presently in 2nd year and 3rd year including the 2020 passed-out batch, actively participated in the webinar. The program was conducted online at the Google-Meet platform and hosted by Khushboo Aggarwal and Rakshita Raj from B.Sc. (H) Chemistry 3rd year. The introductory remarks included the effects of this pandemic situation, the confusion created in the student’s mind and, how this webinar may help them to get confidence to move ahead.



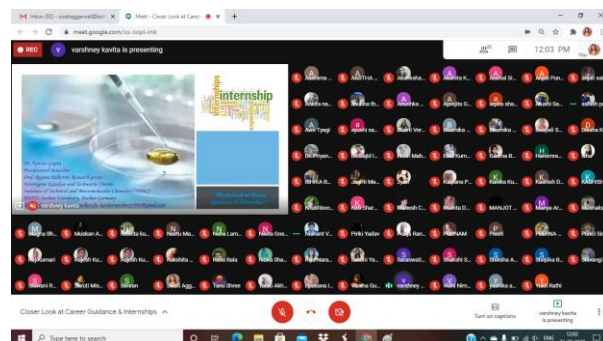
The first Resource Person was **Dr. Ashish Pandey**, Department of Chemical Engineering, Indian Institute of Technology, Delhi. The topic of his talk was ‘**Various job options for B.Sc. (H) Chemistry students**’. He shared his personal experiences and motivated the students. He guided them to look for their interests and then work hard to achieve the goal. Students were educated about numerous career paths after graduation in chemistry, including the benefits and scope of each one. Students were very curious to know more about the opportunities and had many queries that were answered by the speaker meticulously.



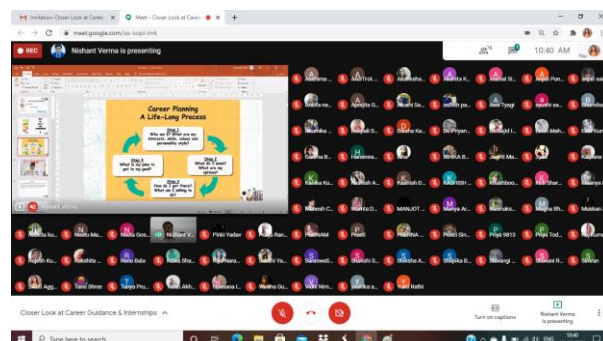
The second Resource Person was **Dr. Kavita Varshney**, Institute of Technical and Macromolecular Chemistry, Worringerweg, Germany. The title of the talk was ‘**The possibilities of internships**’ in India and abroad. She focused on the benefits for the

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students doing internships. She asked students should have basic practical knowledge of their subject and passion to work in the respective field. Personal experiences and views were shared with students. She enlightened the students in every aspect and inspired them that they can achieve greater heights with focus, hard work and positive mind.



The third talk was given by **Dr. Nishant Verma**, Assistant Professor, Department of Chemistry, Kalindi College. Title of the talk was ‘**How to apply for internships**’. He gave important instructions about the necessary requirements and methodology for applying for an internship during the bachelors course. Students were contented with the discussion for each requirement in detail. Different formats of writing mail, cover letter, resume etc. were presented that helped students immensely.



Webinars, Workshops and Competitions

The sessions of the webinar were very beneficial for the students viewing the uncertainties emerging in their minds and clearing the confusion to choose the right career path. There were a lot of questions and queries, to which speakers responded very patiently and appropriately. The program was conducted smoothly and successfully with approximately **80 participants**. All the faculty members of Department of Chemistry, Kalindi College attended the webinar. TIC Chemistry Dr. Shilpika Bali Mehta gave the thankyou note to all our guest speakers, colleagues & dear students for active participation and success of the webinar.

Convenor: Dr. Shilpika Bali Mehta

Organizer: Dr. Priyanka Bidhuri

Dr. Swati Aggarwal

Dr. Nishant Verma

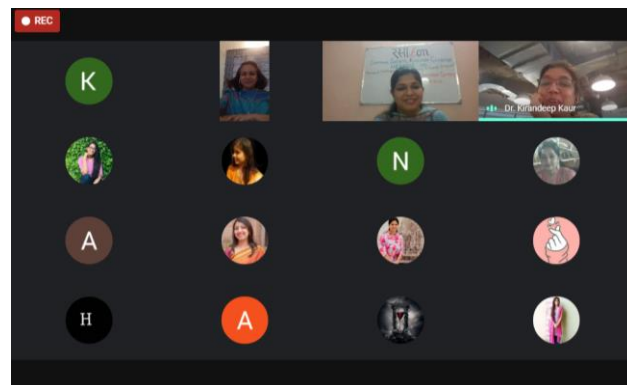
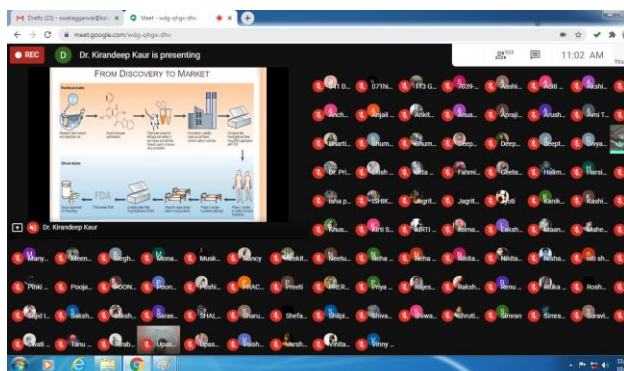
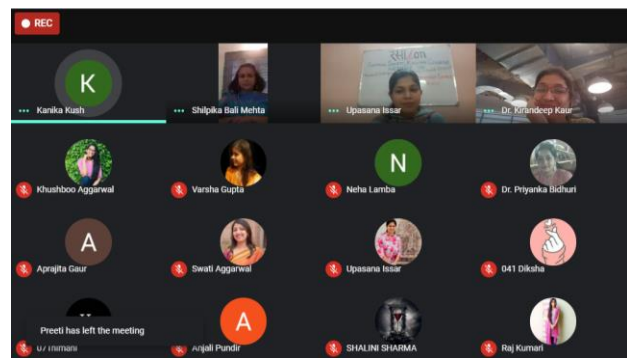
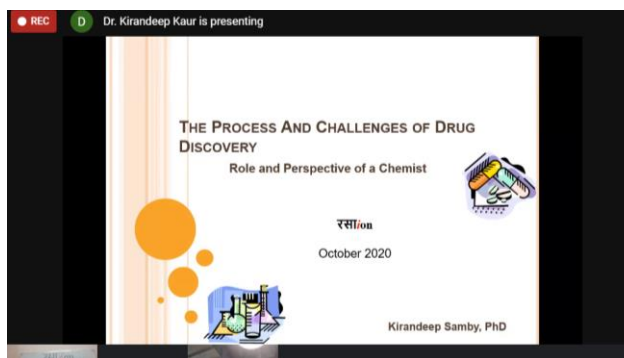
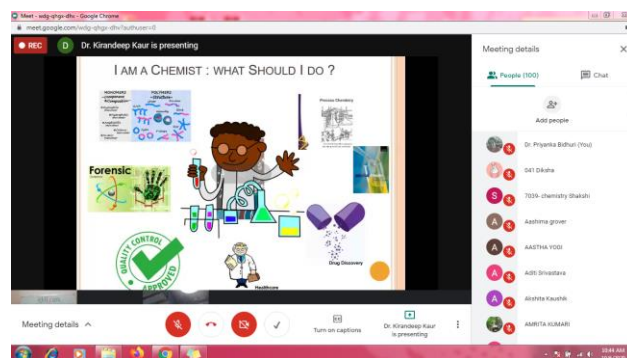
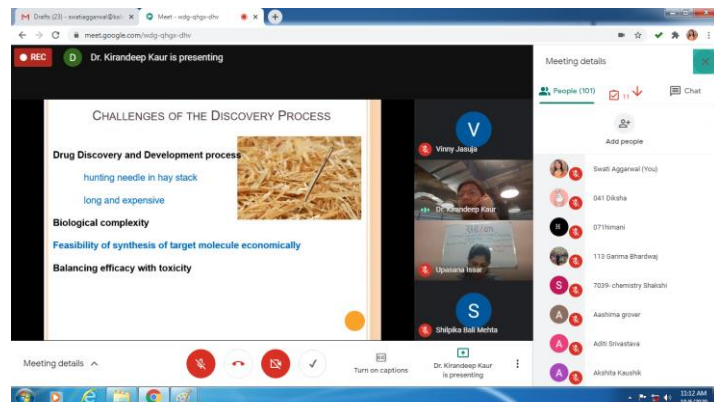
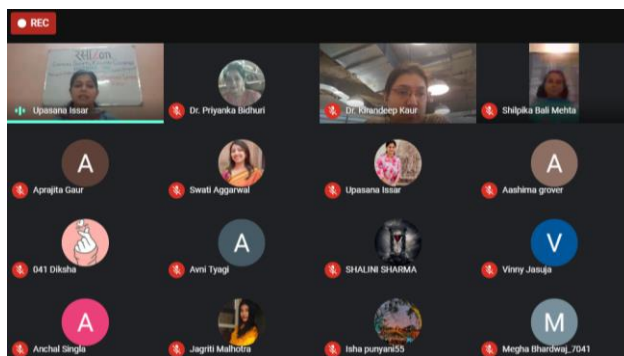
A webinar “Process and Challenges of Drug Discovery: A Chemist’s Perspective” was organized by Rasaion, Chemical Society of Kalindi College on 6th October 2020 from 10:30 am to 11:30 am.

The interested participants had to register themselves using the registration link ‘<https://forms.gle/hxdNvJZV471wc9gM6>’ and a total of 128 students registered.

The invited guest speaker for the webinar, Dr. Kirandeep Samby works as an Operation Lead, Chemistry Consultant with MMV, a leading and managing MMV open initiatives, one of which is ‘open source drug discovery’. Through these initiatives, MMV has supported validation of new targets and identification of new starting points for drug discovery programs in malaria and other diseases by various groups across the globe. Dr Samby offers drug discovery advice and support to research groups to identify potential candidates.

The program was conducted at the Google-Meet platform and hosted by Dr. Upasana Issar, Assistant Professor, Department of Chemistry, Kalindi College. The introductory remarks included the importance of Drug Discovery and its relation to the current COVID-19 pandemic situation.



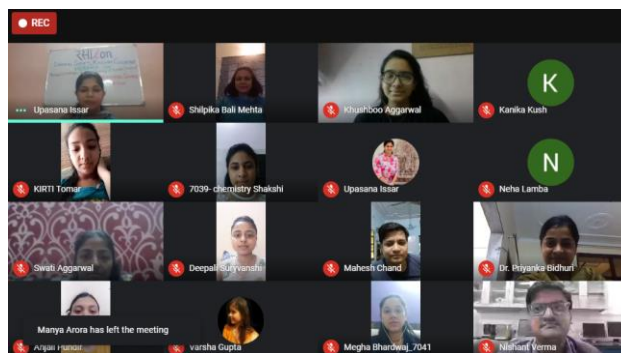
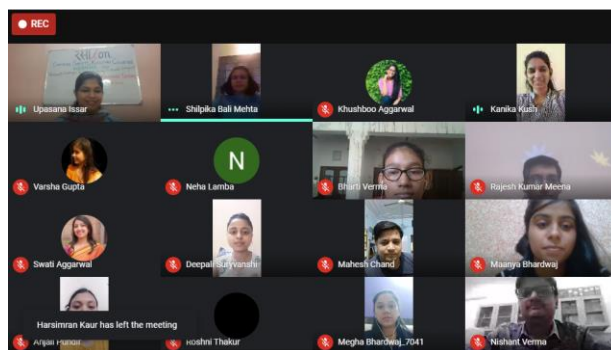




The webinar was indeed very informative and constructive for all the participants, teaching staff as well students. The program was a success in every sense with approximately 103 participants. Dr. Samby explained the multidisciplinary aspect of drug designing and especially emphasized on the role of chemist at various stages of drug discovery.

The session was very important for the students viewing the emerging benefits of drug development in the future. The process leading to the drug coming in the market after its discovery was discussed and the talk focused on the challenges faced in today's world. Students were very excited about the talk and had certain queries related to their interest in the field of drug discovery. The speaker was very enthusiastic to answer all the questions of students and happy to know that some of the students got encouraged in this area of work. Students of B.Sc. (H) Chemistry and B.Sc. Life Sciences actively participated in the webinar. Participants were asked to fill in their valuable feedback using a google form link 'https://docs.google.com/forms/d/19ILsVEHwS_6HKrHmR3r9gpC6mtULMWXIfUhtYn5heOg/edit' at the end of the webinar. All the faculty members of Department of Chemistry, Kalindi College attended the webinar.

The valedictory session included the vote of thanks to our respected principal madam, Dr. Anjula Bansal for her constant support and encouragement. Also, the convener of the program Dr. Shilpika Bali Mehta, TIC-Chemistry was thanked for always being concerned about the students welfare and working with creative ideas in their interest.



Convener: Dr. Shilpika Bali Mehta

Organizing Team: Dr. Priyanka Bidhuri

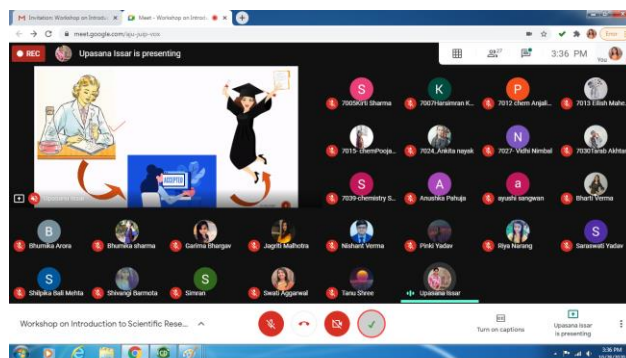
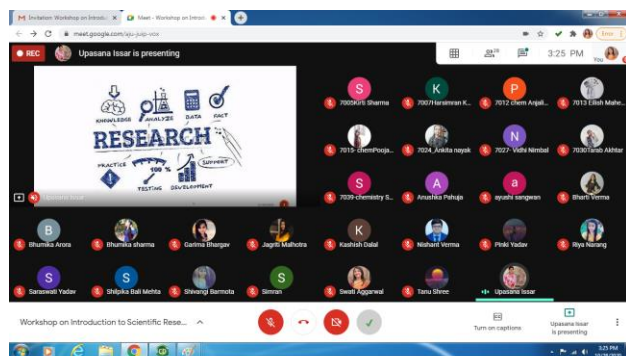
Dr. Swati Aggarwal

Dr. Sajid Iqbal

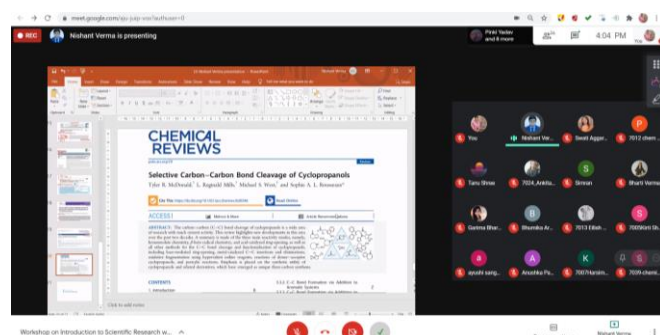
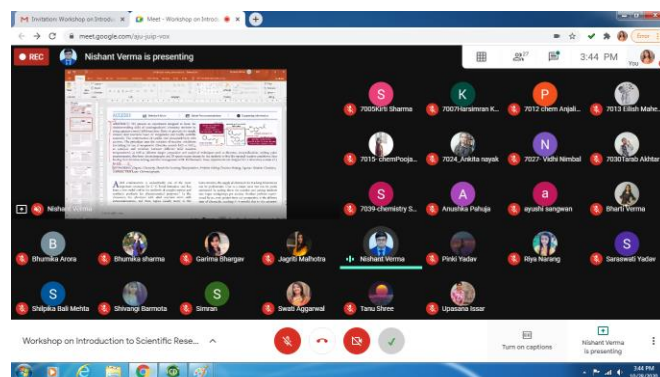
Dr. Upasana Issar

A workshop on “Introduction to Scientific Research World” was organized by Rasaion, Chemical Society of Kalindi College on 28th October 2020 from 3:15 pm to 5:15 pm.

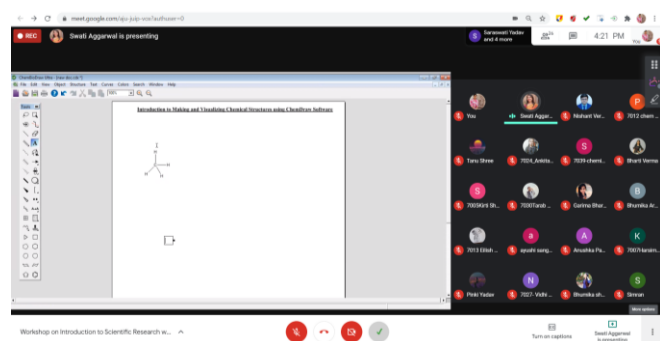
This workshop was specifically for B.Sc. (H) Chemistry, 2nd year students of Kalindi College. The interested participants had to register themselves using the registration link ‘<https://forms.gle/EPx6sskrTqEZHVQw7>’. In all 28 registrations were received. The workshop was conducted at the Google-Meet platform. The introductory remarks included the importance of scientific research and the need of publishing the research work.

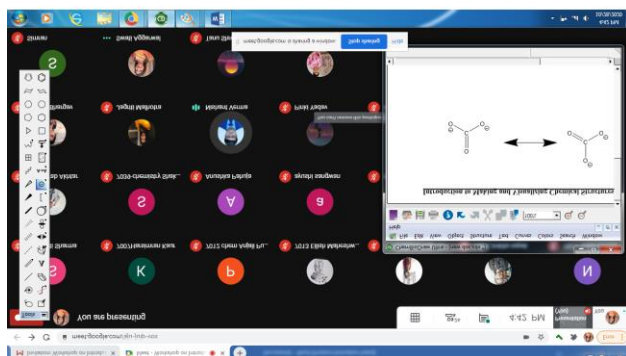


The first resource person for the workshop was Dr. Nishant Verma, Assistant Professor, Department of Chemistry, Kalindi College. His talk covered “Types of Research Articles available and explanation of each sub-heading of a review article”.

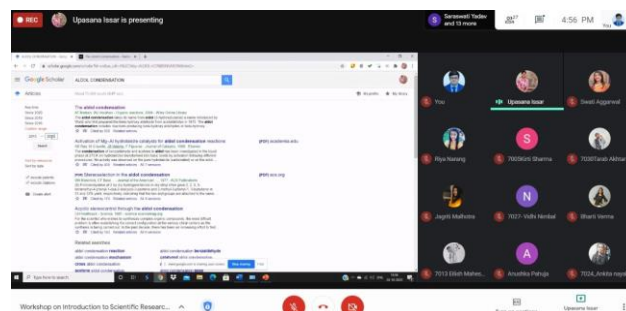
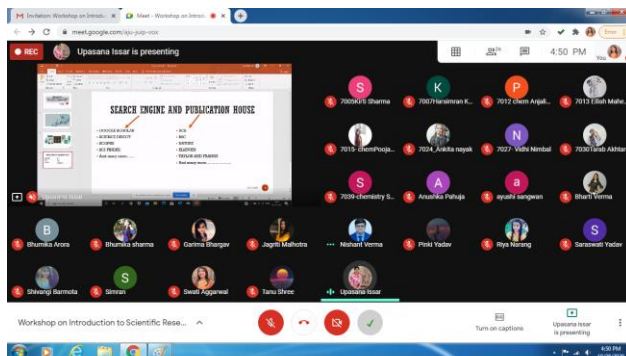


Second resource person, Dr. Swati Aggarwal, Assistant Professor, Department of Chemistry, Kalindi College demonstrated the ChemDraw software on “Introduction to Making and Visualizing Chemical Structures”.





The third resource person was Dr. Upasana Issar, Assistant Professor, Department of Chemistry, Kalindi College. She enlightened the students on “The introduction to Search Engines like Science Direct for finding the paper”.



The workshop was very informative for the students and productive as many students got interested to know more about the research world introduced to them. Students were very excited and had many queries regarding approach towards research. Number of students participated in the workshop were 23. Participants were asked to fill in their valuable feedback using a google form link ‘<https://forms.gle/GqZcGFdt6PC7FsJt7>’ at the end of the workshop. The main motive of the workshop was to encourage students to take part in research work at undergraduate level and make use of all opportunities they encounter.

Convener: Dr. Shilpika Bali Mehta

Organizing Team: Dr. Swati Aggarwal

Dr. Nishant Verma

Dr. Upasana Issar

An Inter-College Poster Competition on the Theme **“Celebrating Marie Curie: A Life Story”** was organized by **Rasaion, Chemical Society** of Kalindi College in **October 2020**.

Flyer for the competition was launched on 5th October through various online platforms. The interested undergraduate students had to register themselves using the registration link ‘<https://forms.gle/nsuUBm6ocBecweYE6>’ and a total of 76 students from various Delhi University colleges and other institutions registered. Under the theme of the event, five topics were provided to submit the posters.

Topics of posters were as follows:

Topic I

Radioactivity: An Impact on stability of Atom

Topic II

Radioactivity: Energy Source & its Environmental Impact

Topic III

Radioactivity: Application in Nuclear Medicines

Topic IV

Radioactivity: Use in Archeology

Topic V

Radioactivity: Nuclear Waste Management

In all 58 students submitted the posters corresponding to the above topics till 12th October (last date for submission). In each of the 5 categories of topics, 1st, 2nd and 3rd prize winners had to be selected. For topic I, only one student submitted the poster and therefore, only participation certificate was

provided. Prizes were given for topic II & IV, with 15 & 08 entries received respectively. For topic III from 19 entries received, out of which there was tie between 1st and 2nd prize. For topic V, 3rd prize was shared among 2 students out of 15 posters. The posters were judged by a panel of three esteemed judges namely,

Dr. Himanshu Ojha, Scientist "E", CBRN Protection & Decontamination Research Group, Division of CBRN Defence, Institute of Nuclear Medicine and Allied Sciences, Defence Research and Development Organisation, Brig S K Mazumdar Road, Timarpur, Delhi 110054.

Dr. Anjani K Tiwari, Associate Professor, Department of Chemistry, Faculty, Nuclear Medicine & Life Sciences, School of Physical & Decision Sciences, Assistant Director, University sophisticated instrumentation centre (USIC), BBA Central University, Vidya Vihar, Rai Bareilly Road, Lucknow – 226025.

Dr. Sonia Ratnani, Assistant Professor, Ramjas College, University of Delhi, Delhi.

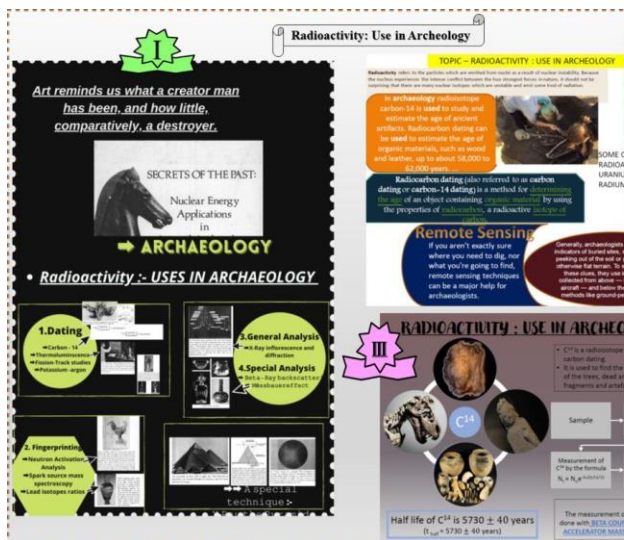
Posters collage for prize winners in Topic II:



Posters collage for prize winners in Topic III:



Posters collage for prize winners in Topic IV:



Results of poster competition:

Topic I:

Only participation.

Posters collage for prize winners in Topic V:

Topic II:

Prize	Name of the Participants	Course	College
I	Khushboo Aggarwal	B.Sc. (H) Chemistry, Sem V	Kalindi College
II	Avni Tyagi	B.Sc. (H) Chemistry, Sem V	Kalindi College
III	Vidhi Nimbal	B.Sc. (H) Chemistry, Sem III	Kalindi College

Topic III:

Prize	Name of the Participants	Course	College
I	Megha Bhardwaj	B.Sc. (H) Chemistry, Sem III	Kalindi College
I	Nishita Borah	B.Sc. (H) Chemistry, Sem III	Daulat Ram college
II	Ishika Bhatia	B.Sc. (H) Chemistry, Sem III	Kalindi College
II	Neekita Kundu	B.Sc. (H) Chemistry, Sem V	Kalindi College
III	Anushka Pahuja	B.Sc. (H) Chemistry, Sem III	Kalindi College

Topic IV:

Prize	Name of the Participants	Course	College
I	Vinita Maurya	B.Sc. (P) Life Science, SEM V	Kalindi College
II	Anjali pundir	B.Sc. (H) Chemistry, SEM III	Kalindi College
III	Kirti Sharma	B.Sc. (H) Chemistry, SEM III	Kalindi College

Topic V:

Prize	Name of the Participants	Course	College
I	Maanya Bhardwaj	B.Sc. (H) Chemistry, SEM V	Kalindi College
II	Ekta Kumari	B.Sc. (H) Chemistry, SEM III	Kalindi College
III	Kashish Dalal	B.Sc. (H) Chemistry, SEM III	Kalindi College
III	Ojaswita Pant	B.Sc. (H) Chemistry, SEM V	Miranda House

E-certificates were given to all the winners & participants of the poster competition. 1st, 2nd & 3rd Prizes for each topic were provided with exciting cash prizes. The event was organized successfully by the Rasa-ion, chemical society.

Convener: Dr. Shilpika Bali Mehta

Organizing Team: Dr. Priyanka Bidhuri

Dr. Swati Aggarwal

Dr. Sajid Iqbal

Dr. Upasana Issar

Results 2018-19

UG	Year	Paper Code	Appeared	Passed	Pass %	Grade %								
						O	A+	A	B+	B	C	D	F	AB
B.Sc.(H) Chemistry (Core)	1 st year, Sem I	32171101	34	34	100%	-	38.2% (13)	17.6% (6)	26.4% (9)	11.7% (4)	-	5.8% (2)	-	-
		32171102	34	34	100%	-	5.8% (2)	32.3% (11)	32.3% (11)	17.6% (6)	8.8% (3)	2.9% (1)	-	-
	1 st year, Sem II	32171201	33	33	100%	5.8% (2)	29.4% (10)	23.5% (8)	11.7% (4)	17.6% (6)	5.8% (2)	2.9% (1)	-	2.9% (1)
		32171202	33	33	100%	-	-	23.5% (8)	26.4% (9)	29.4% (10)	8.8% (3)	8.8% (3)	-	2.9% (1)
B.Sc. Life Sciences , (Core)	1 st year, Sem I	42171103	44	42	95.4%	2.2% (1)	11.3% (5)	20.4% (9)	20.4% (9)	27.2% (12)	11.3% (5)	2.2% (1)	4.5% (2)	-
	1 st year, Sem II	42171205	44	44	100%	-	4.5% (2)	20.4% (9)	22.7% (10)	22.7% (10)	20.4% (9)	9% (4)	-	-
B.Sc. (H) all courses, (GE)	1 st year, Sem I	32175901	38	38	100%	-	5.2% (2)	39.4% (15)	34.2% (13)	10.5% (4)	10.5% (4)	-	-	-
	1 st year, Sem II	32175913	42	41	97.6%	-	11.9% (5)	19% (8)	35.7% (15)	28.5% (12)	2.3% (1)	-	-	2.3% (1)
B.Sc.(H) Chemistry (Core)	2 nd year, Sem III	32171301	26	26	100%	-	23% (6)	26.9% (7)	23% (6)	11.5% (3)	11.5% (3)	3.8% (1)	-	-
		32171302	26	26	100%	15.3% (4)	30.7% (8)	15.3% (4)	26.9% (7)	3.8% (1)	7.6% (2)	-	-	-
		32171303	26	26	100%	15.3% (4)	26.9% (7)	26.9% (7)	15.3% (4)	7.6% (2)	3.8% (1)	3.8% (1)	-	-
		32173910	26	26	100%	23% (6)	61.5% (16)	11.5% (3)	-	3.8% (1)	-	-	-	-
	2 nd year, Sem IV	32171401	26	25	96.1%	11.5% (3)	34.6% (9)	19.2% (5)	15.3% (4)	11.5% (3)	3.8% (1)	-	3.8% (1)	-
		32171402	26	26	100%	23% (6)	34.6% (9)	15.3% (4)	11.5% (3)	7.6% (2)	3.8% (1)	3.8% (1)	-	-
		32171403	26	26	96.1%	11.5% (3)	30.7% (8)	26.9% (7)	15.3% (4)	3.8% (1)	7.6% (2)	-	3.8% (1)	-
		32173909	26	26	100%	19.2% (5)	53.8% (14)	19.2% (5)	3.8% (1)	-	-	3.8% (1)	-	-
B.Sc. Life Sciences , (Core)	2 nd year, Sem III	42174304	54	54	100%	1.8% (1)	3.7% (2)	24% (13)	24% (13)	20.3% (11)	22.2% (12)	3.7% (2)	-	-
		32173909	19	19	100%	26.3% (5)	42.1% (8)	26.3% (5)	5.2% (1)	-	-	-	-	-
	2 nd year, Sem IV	42174404	54	54	100%	-	14.8% (8)	24% (13)	25.9% (14)	22.2% (12)	3.7% (2)	9.2% (5)	-	-
		32173910	19	19	100%	26.3% (5)	42.1% (8)	26.3% (5)	-	5.2% (1)	-	-	-	-
B.Sc. (H) all courses, (GE)	2 nd year, SemIII	32175915	48	48	100%	-	-	18.7% (9)	25% (12)	25% (12)	22.9% (11)	8.3% (4)	-	-
	2 nd year, SemIV	32175916	56	56	100%	-	3.5% (2)	21.4% (12)	26.7% (15)	12.5% (7)	16% (9)	19.6% (11)	-	-
B.Sc. Life Sciences , (DSE)	3 rd year, Sem V	42177925	76	76	100%	-	10.5% (8)	28.9% (22)	31.5% (24)	13.1% (10)	10.5% (8)	5.2% (4)	-	-
		32173911	25	25	100%	36% (9)	60% (15)	4% (1)	-	-	-	-	-	-
	3 rd year, Sem VI	42177926	75	75	100%	-	10.5% (8)	21% (16)	35.5% (27)	21% (16)	7.8% (6)	2.6% (2)	-	1.3% (1)
		32173908	25	25	100%	4% (1)	64% (16)	28% (7)	4% (1)	-	-	-	-	-

Chemistry Department

TEACHING STAFF



Dr. APRAJITA GAUR
Associate Professor



Dr. RENU BALA
Associate Professor



Dr. SHILPIKA BALI MEHTA
Assistant Professor
(Teacher-in-Charge)



Dr. Priyanka Bidhuri
Assistant Professor



Dr. Swati Aggarwal
Assistant Professor



Dr. Meenakshi Verma
Assistant Professor



Dr. Upasana Issar
Assistant Professor



Dr. Mahesh Chand
Assistant Professor



Dr. Nishant Verma
Assistant Professor



Dr. Sajid Iqbal
Assistant Professor



Dr. Rajesh Kumar Meena
Assistant Professor

LABORATORY STAFF



Mr. Ashok Kumar



Mr. Yashpal



Ms. Prakashi Das



Mr. Nitin Kumar



Mr. Bhuvan Chandra



Mr. Awadesh Kumar

Kalindi College
University of Delhi
East Patel Nagar
New Delhi-110008