



(A Constituent P.G. College, University of Allahabad)
Under the Strengthening Component of DBT Star College Scheme

Website: www.cmpcollege.ac.in

Department of Chemistry C.M.P. Degree College, Prayagraj

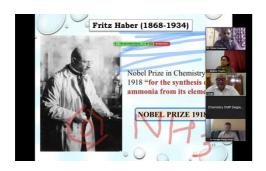
Workshop & Seminars:

National Webinar On Insights Into Fundamentals Of Chemistry;

18th-20th June 2020

Organized by Department Of Chemistry, C.M.P. Degree College; Platform: ZOOM



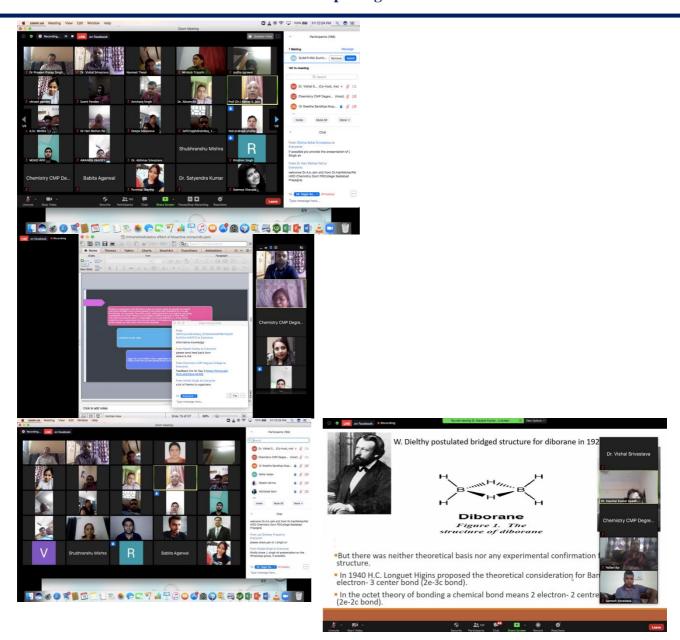






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Number of registrations: 651





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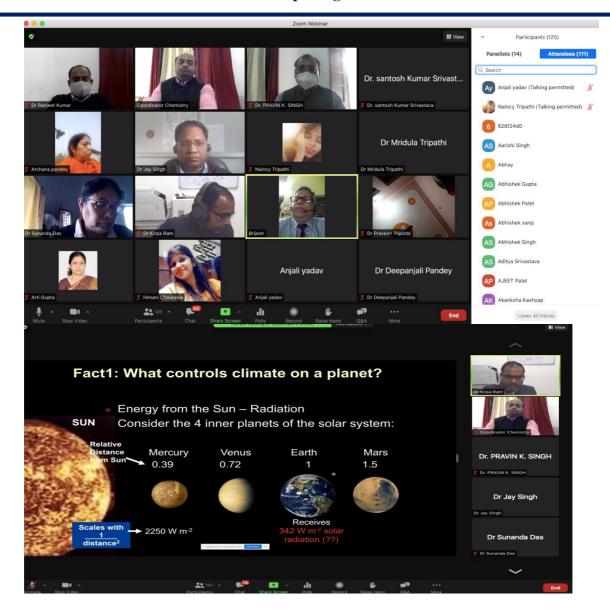
A two days National Webinar was organized by Chemistry Department, CMP on "CHEMISTRY: PROSPECTS AND OPPORTUNITY FOR EVERYDAY LIFE" on 5th-6th Dec. 2021 in CMP Degree College under the aegis of DBT Star College Scheme using Zoom platform. Dr. Brijesh Kumar principal of CMP Degree College presided over the seminar as and delivered the inaugural lecture. On first day of webinar there was two technical sessions. In first technical session the invited speaker was Dr. Kirpa Ram, Assistant Professor, Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi. He has delivered his lecture on "Application of Chemistry for solving environmental and climate change issues" and this technical session was hosted by Dr. Vishal Srivastava, Organizing Secretary of webinar. In the second technical session the invited speaker was Dr. Jay Singh, Department of Chemistry, Institute of Science, B.H.U., Varanasi. He has delivered his lecture on "Nanomaterials for Bio-sensing Applications" and this technical session was hosted by Dr. Mridula Tripathi, Associate Professor, Department of Chemistry, C.M.P. Degree College, Prayagraj.





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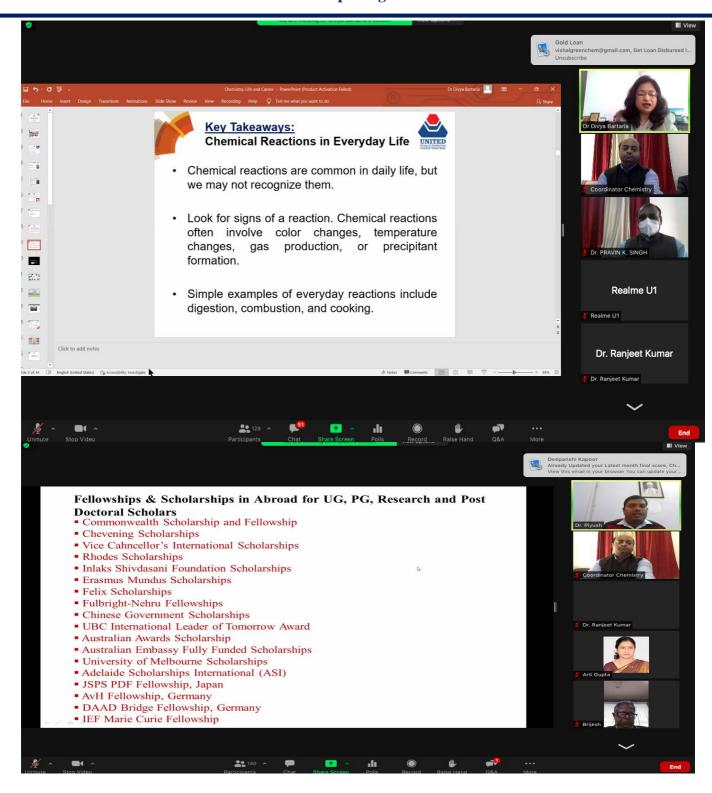
On second day of webinar, there was also two technical sessions. In first technical session the invited speaker was Dr. Divya Bartaria, Department of Chemistry, United College of Engineering and Research (UCER), Prayagraj. She has delivered her lecture on "Chemistry, Career and Life: Prospects and Opportunities" and this session was hosted by Dr. Pravin Kumar Singh, Convener of this webinar. In the second technical session the invited speaker was Dr. Piyush Kumar Sonkar, MMV, Banaras Hindu University. He has delivered lecture on "Research Career opportunities and Internship for Science Graduates" and this technical session was hosted by Dr. Arti Gupta, Assosciate Professor, Department of Chemistry, C.M.P. Degree College, Prayagraj.





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This webinar was attended by 275 participants and distinguished faculty members of CMP Degree College including Dr. Babita Agarwal, Dr. Archana Pandey





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and Dr A.K. Shukla, Associate Professor, Department of Chemistry, C.M.P. Degree College, Prayagraj.

Dr. Sunanda Das and Dr. Pravin Kumar Singh served as the convener whereas Dr. Vishal Srivastava and Dr. Ranjeet Kumar served as the organizing secretary of the programme. Formal Vote of thanks was given by Dr. Santosh Kumar Srivastava, Assosciate Professor, Department of Chemistry, C.M.P. Degree College, Prayagraj.

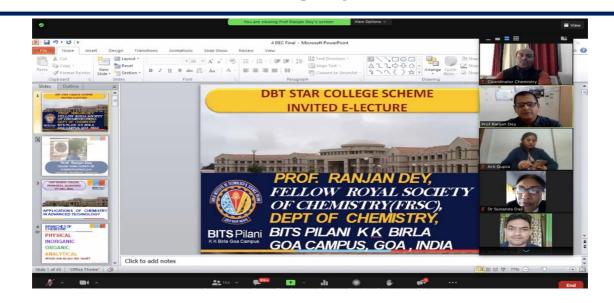
> An invited e-lecture was organized by Chemistry Department, CMP Degree "APPLICATION **OF CHEMISTRY** College ADVANCE IN TECHNOLOGY" on 4th Dec. 2021 in CMP Degree College under the aegis of DBT Star College Scheme, using Zoom platform. Dr. Brijesh Kumar, principal of CMP Degree College presided over the seminar as the chairperson and delivered the inaugural lecture. Dr. Sunanda Das, convener of Chemistry Department, C.M.P. Degree College has pointed out the theme of invited talk and introduced the speaker of invited talk Prof. Ranjan Dey, Department of Chemistry, BITS Pilani KK Birla Goa Campus. This e-lecture was attended by 250 participants and distinguished faculty members of CMP Degree College. Dr. Sunanda Das and Dr. Pravin Kumar Singh served as the convener whereas Dr. Vishal Srivastava and Dr. Ranjeet Kumar served as the organizing secretary of the programme. Formal Vote of thanks was given by Dr. Akram Ali.







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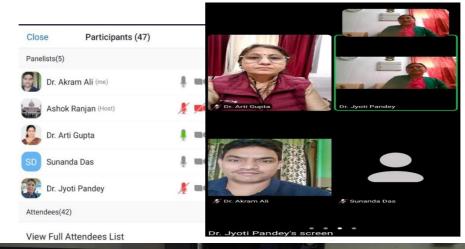
An invited e-lecture was organized by Chemistry Department, CMP on "GREEN CONCEPTS IN CHEMISTRY" on 11th Dec. 2021 in CMP Degree College under the aegis of DBT Star College Scheme, using Zoom platform. 125 registrations had received for participation. Dr. Jyoti Pandey from Bhim Rao Ambedkar University, Lucknow invited as a Resource Person for lecture on topic Entitled "Green Concept in Chemistry" she delivered different aspects of green chemistry and how its beneficial for environment. Dr. Sunanda Das was coordinator and Dr. Arti Gupta acted as convenor. Organizing secretory Dr. Akram Ali hosted this programme and Co-convenor Dr. Ashok Kr Ranjan given thanking note in last of the programme.

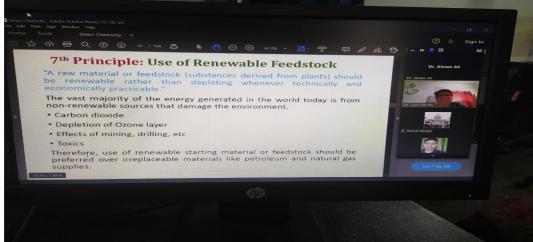




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An invited e-lecture was organized by Chemistry Department, CMP in a four day intercollegiate DBT Fest - "VigyanSangam" on 17th Jan. 2022 in CMP Degree College under the aegis of DBT Star College Scheme, using Zoom platform. In the inaugural day of this four day intercollegiate DBT Fest – "VigyanSangam", a lecture was delivered by Prof R. N. Mukherjee, Former Head, Department of Chemistry, IIT Kanpur, Former Director, IISER Kolkata. The topic of his lecture was "Inorganic Chemistry of Biological Processes." He discussed photosynthesis and respiration in his lecture. During his lecture he explained the role of haemoglobin and chlorophyll in respiration and photosynthesis respectively. He also discussed the role of cytochrome and carbonic Anhydrase enzyme. The inaugural session was started with good wishes and welcome speech by Dr. Brijesh Kumar, Principal, C.M.P. degree College. On this occasion Dr Sunanda Das, Convener, Department of Chemistry, C.M.P. Degree College has introduced the speaker. Dr Santosh Kumar Srivastava was present as rapporteur and also given vote of thanks. In this event C.M.P. College DBT coordinator Dr.Sarita Srivastava, Dr. Babita Agarwal, Dr Archana Pandey, Dr. Mridula Tripathi, Department of Chemistry, DBT Departmental





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Coordinator Dr. Vishal Srivastava, Dr. Pravin Kumar Singh, Dr. Akram Ali, Dr. Ranjeet Kumar, Dr. Himani Chaurasia, Dr Deepanjali Pandey, Dr. Monika Singh, Dr. Pramod Kumar were present at the event. Many faculties of CMP and other adjoining colleges as well as students attended the session.





> Report on Nanomaterials and Green Energy Held on 20/4/2023





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Under the Aegis of DBT Star College Scheme, a lecture on Nanomaterials and Green Energy was organised by Department of Chemistry, CMP Degree College, Prayagraj. Chief Guest and Leading Speaker of this lecture was Dr. T. P Yadav, Associate Professor, Department of Physics, University of Allahabad, Prayagraj.it was anchored and managed by Dr Monika Singh. Brief speaker given by Dr Deepanjali Pandey. In this introduction of lecture, Chairperson, Priciple Prof Ajay Prakash Khare, Convenor, Dr. Babita Agrawal, Organizing SectariesDr. Vishal Shrivastava, Dr.Akram Ali, and Dr.RanjitKumar werepresent. On the stage, Dr.Sunanda Das, Dr. A.K. Shukla, Dr. Mridula Tripathi, Dr. Santosh Srivastava and our speaker Prof T.P.yadav. In this lecture, Dr.Arti Gupta, Dr. Praveen Tripathi, Dr. Ashok Kumar Ranjan, Dr. Pramod Kumar, Dr. Atul Bhardwaj, Dr Prvin Kumar Singh and Dr.Amita Pandey were present and Prof T.P. yadav sir explained applications of nanomaterials in various fields. He also elaborate all the synthetic methods for nanomaterials and very interestingly described the molecular arrangement in diamond graphite, single walled grapheme and multiwalled graphene. How nanomaterial are differ from bulk materials briefly explained in his lecture. Lecture proceed with various techniques like XRD, SEM, TEM, STM and SEAD ect. How global warming affects quality and quantity our life discussed with lots of examples. He also give brief introduction about future world energy demand. Vote of thanks given by Dr. MridulaTripathi. 260 Students actively participated in this lecture.





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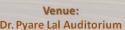
Under the Aegis of DBT Star College Scheme

DEPARTMENT OF CHEMISTRY

is going to organize an INVITED LECTURE

Nanomaterials and Green Energy

Date: 20 April 2023



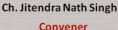
Chairman Prof. Ajay Prakash Khare

Organizing Secretary Dr. Vishal Srivastava

Dr. Deepanjali Pandey Dr. Akram Ali Dr. Ranjeet Kumar

(Assistant Professor) Department of Chemistry





Dr. Babita Agrawal

(Associate Professor) **Department of Chemistry**

Convener Popular Science Lecture

Dr. Mridula Tripathi (Associate Professor) **Department of Chemistry**

Associate Professor Department of Physics University of Allahabad Prayagraj











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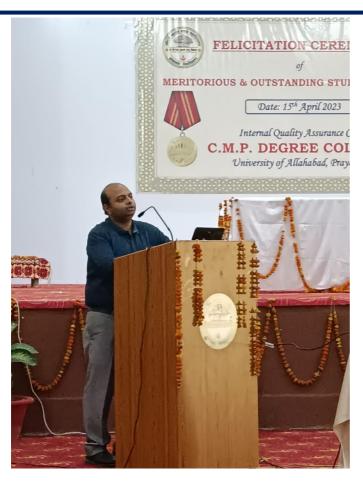
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> A REPORT ON 'CHEMISTRY RANGOLI COMPETITION' HELD ON 23 FEBURARY, 2023

A competition on 'Chemistry Rangoli' under the ageis of DBT Star College scheme was organized by the Department of Chemistry, C.M.P. Degree College, Prayagraj held on 23rd feburary,2023. This Rangoli competition was especially for the undergraduate students i.e. for B.Sc. I, II- and III-year students.

Ch. Jitendra Nath Singh was the Patron and Professor Ajay Prakash Khare (Principal of the college) was the chairperson of this competition. The programme Convener was Dr. Babita Agarwal and Dr. Archana Pandey, Co-convener were Dr. Santosh Kumar Srivastava and Dr. Pravin Kumar Singh. Dr. Vishal Srivastava, Dr. Monika Singh and Dr. Ranjeet Kumar acted as the Organising Secretary of this event.





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DBT STAR COLLEGE





Patron Ch. Jitendra Nath Singh

Convener

Dr. Babita Agrawal (Associate Professor) Department of Chemistry Dr. Archana Pandey (Associate Professor) **Under the Aegis of DBT Star College Scheme**

DEPARTMENT OF CHEMISTRY

is going to organize a competition

Chemistry Rangoli

Date: 23 Feb 2023 Time: 11 AM

Co-Convener

Dr. Santosh K. Srivastava (Associate Professor) Department of Chemistry Dr. Pravin K. Singh (Assistant Professor)



Chairman Prof. Ajay Prakash Khare

Organizing Secretory

Dr. Vishal Srivastava Dr. Monika Singh Dr. Ranjeet Kumar (Assistant Professor) Department of Chemistry









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In the Jugdes Panel, Professor Ramendra Kumar Singh of Department of Chemistry, University of Allahabad, Prayagraj and Dr. Sarita Srivastava, Associate Professor of Botany Department, C.M.P. Degree College actively surveyed all the Rangoli designs drawn by the students. Both the Judges asked questions related to the structure of the chemistry and declared the result.





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The students participated with their groups under Group A, Group B, Group C, Group D and Group E. There were total five groups. The participation of the students was very exciting and showed their knowledge while explain the different structures drawn by them with different Rangoli colours. The first award was given to the students of Group C; Vijay Yadav , Nandini Agnihotri and Jyoti Saroj of B.Sc II year.

Second prize was won by Group B students- Sadhana Nishad, Mamta Kumari Verma, Anamika and Mohit Gupta of B.Sc II Year while the third prize won by group a student's-Anushka Tiwari and Sakshi Singh of B.Sc II Year.

There were also two consolation prizes given. One given to Group D - Anchal (B.Sc. II), Devika Chaudhary (B.Sc. I), Vidya Rani (B.Sc. II Year) and Sapna Yadav (B.Sc. II Year) and another was given to Group E students- Anjali Mishra and Anshu both of B.Sc. II year.

Departmental Seminar

In the Memory of Dr. Arjita Srivastava 27th July, 2023

In the presence of honorable Prof. Ajay Prakash Khare, Principal C.M.P Degree College, Department of Chemistry, organized a Departmental Seminar under the aegis of DBT Star College Scheme in the memory of Late Dr. Arjita Srivastava, entitled "Bioinspired Chemistry and Its Applications". The Program started with the lighting of the lamp in the presence of dignitaries. After that Head of the Department Dr. Babita Agrawal address the inaugural session and appreciated the presence of late Dr. Arjita srivastava in our department. Further, Dr. Akram Ali share with us some memories of Dr. Arjita Srivatava and mentioned that she was very hard working, ambitious and polite with others. Before presentation Principal Sir enlighten students about research progress across the nation and its values for society and for the development of the country. He emphasis to focus on quality of research and gave us information about NRF (National Research Foundation) which will be helpful for research scholars. He also motivates presenters and appreciated the work and efforts done by Department of Chemistry. First lecture of the seminar was delivered by Shreya Yadav (Research Scholar) on topic "Green Chemistry and Its Impact on Various Fields" and she talk about how green chemistry helpful for preventing pollutions and hazardous waste in the field of synthetic chemistry, second lecture was delivered by Kajal Singh (Research Scholar) on topic "Extraction of Precious Metal from Waste E-Devices", and she elaborated the process and techniques for the extraction of these metals, third lecture was delivered by Abay Jeet (Research Scholar) on topic "Biological Activity of Transition Metal Complex of Gold", and he explained the role of Gold metal complex in various biological activities, and last lecture was delivered by Anil Kumar Pal (Research Scholar) on topic "Synthesis and Characterization of Hg(II) Complex with Macrocyclic Ligand" in which he explained the role of macrocyclic ligand to binds with heavy metals.





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All Faculty Members of Deparment of Chemistry, Dr. Archana Pandey, Dr. Sunanda Das, Dr. Babita Agrawal, Dr. Santosh Kumar Srivastava, Dr. Arti Gupta, Dr. Mridula Tripathi, Dr. Praveen Tripathi (event convener), Dr. Praveen Kumar Singh, Dr. Dharmendra Kumar Sahu, Dr. Vishal Srivastava, Dr. Monika Singh, Dr. Pramod Kumar, Dr. Deepanjali Pandey, Dr. Akram Ali, Dr. Ranjeet Kumar (event convener), Dr. Himani Chaurasia, Dr. Bhupesh Tripathi, Dr. Nidhi, Mr. Pradeep Kumar Srivastava (Dr. Arjita's Father) and research scholar along with advance learners of U.G and P.G students (total 58) attended the seminar.

After presentation, Sri Pradeep Kumar Srivastava encouraged all the speakers, shares us with good memories of Dr. Arjita Srivastava and appreciated the work and efforts done by organizing committee of departmental seminar. Ms. Afreen Fatima anchors the whole seminar and in the last Dr. Santosh Kumar Srivastava gave vote of thanks and motivates all the speakers and all research scholars for their upcoming future endeavor.

Name of Organizing Committee: Mohd. Zaheeruddin Beg, Siddharth Agrawal, Ashwani Sharma, Amit Jaiswal, Manoj Kumar, Shraddha Tivari and Km. Pooja.





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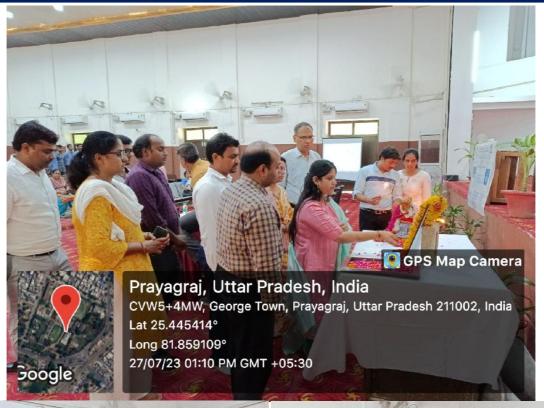
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Departmental Seminar Organized by Department of Chemistry on 27th July, 2023 in Memory of Late Dr. Arjita Srivastava

Departmental Coordinator

Dr. Vishal Srivastava

Convener

Dr. Babita Agrawal

Dr. Satta STIVASTAVA

Dr. Satta STIVASTAVA

Associate Professor

Coordinator DET Star College

Condinator Det College

Liniversity of Allahabad

Coordinator, DBT Star College

Dr. Sarita Srivastava