



# चौधरी महादेव प्रसाद महाविद्यालय C. M. P. DEGREE COLLEGE

(A Constituent P.G. College, University of Allahabad)

Under the Strengthening Component of DBT Star College Scheme

Website: [www.cmpcollege.ac.in](http://www.cmpcollege.ac.in)



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

Training programs conducted:

## Training of Lab Manpower

> In House training for operation, handling and maintenance of equipments has been given to Mr. Shashank Srivastava, Senior lab Assistant and Mr. Awadesh Kumar Kushwaha, Lab Assistant Department of Chemistry, C.M.P. College Prayagraj. Due to Covid-19 pandemic, outdoor training program could not commence.



Equipments Training to Lab Staff:





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## REPORT ON THREE DAYS HANDS-ON WORKSHOP ON "FOOD SAFETY AND NUTRITIONAL SECURITY, ANALYSIS AND QUALITY CONTROL"

A Three days hands-on workshop on "Food safety and nutritional security, analysis and quality control" was organised by the Department of Chemistry, Botany and Zoology, under the agies of DBT star college scheme (17 to 19 August,2023.). The President and Chief Guest of the workshop was an Eminent Professor (Ex Head, Department of Chemistry) Dr. Jagdamba Singh. The Training Officer was Dr. Sujit Kumar Singh and Key- Notespeaker was Dr. Shankar Suvan Singh and their team were welcomed by Dr. Babita Agarwal, Convener, Department of Chemistry. An introductory speech about the DBT Star scheme was given by Dr. Sarita Srivastava, DBT Coordinator. Prof.(Dr.) Jagdamba Singh spoke about the food and its importance. He discussed about the value of food for human beings as it provides two basic needs: nutrients and energy. As a source of protein, rice should be considered as the best one. He encouraged students and audiences to enjoy life with home cooked food with family. In the end he also stated that about 70% diseases are originated by use of impure water and we should be careful for our health.



The key note speakers Dr. Shankar Suwan Singh focused on the quality control of the food products its nutritional safety and food security. He emphasized on milk adulteration due to water, starch, gelatin, urea, melamine, etc., detection by lactometer technique and its calculation by freezing point method to check the purity of milk.





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Er. Sujit Kumar Singh gave the information about the three days of going to a training workshop and its benefit to the coming future. The quality control is the basic need to check the food security on which the government of India is strictly focusing on.

Dr Meena Rai, Associate Professor, suggested the students to attend the workshop and benefit the society by the knowledge.

Dr Neeta Sinha, Vice Principal, CMP College also addressed the audience with her kind words.

All the members of DBT Star scheme, Organising team of the workshop are thankful to the Principal, Dr Ajay Prakash Khare, for helping and supporting to conduct this workshop.



## Report: Day-02

The second day of the three days Hands on -workshop commenced with great enthusiasm as participant continued their journey to delve deeper into the realm of ensuring food safety. Dr. Arti Gupta, Associate Professor, Department of Chemistry, welcomed the training officer, Er. Sujit Kumar Singh, resource person Dr. Madhulika Singh, distinguished faculty members and students.

### First Session:

In the first session Er. Sujit Kumar Singh an accomplished expert in the field of food safety took the stage to illustrate the significance of understanding and implementing effective food safety measure to safe guard public health. Dr. Madhulika, a distinguished expert in the field of food analysis, demonstrated the first experiment; the aim of the experiment was to determine the acidity in beverages. The sample chosen for acidity measurement was milk. The acidity of the milk sample was calculated to be 0.3 %, which falls within the acceptable range of 0.2 to 0.6 % acidity for milk.



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## Second Session:

In the second session Dr. Madhulika and team introduced students with another experiment on “Determination of % of NaCl content in a curd sample” following the demonstration, the student were divided into groups and provided with curd sample to perform the experiment themselves. Dr. Madhulika’s team offered guidance and support as the students carried out each step of the experiment, ensuring accuracy and safety.

## Third Session:

During the third session, students were introduced to the experiment focused on the “Analysis of moisture and ash content in flour and bread samples”. The demonstration aimed to familiarize students with the procedure involved in sample preparation, determination of moisture content and quantification of ash content. After the demonstration, students were given the opportunity to perform the experiment themselves. This hands-on experiment allowed students to better understand the practical aspects of moisture and ash content analysis, with practical exposure to techniques used in food analysis and to emphasize the significance of measuring moisture and ash content in food products.

## Report: Day-03

### First Session:

The third and final day of the three days Hands-on- Workshop, jointly organized by the Department of Botany, Chemistry and Zoology (17<sup>th</sup>-19<sup>th</sup> Aug, 2023) under the aegis of DBT Star Scheme commenced with an engaging session led by Dr. Madhulika Singh and her team. The primary focus of the session was on the experimentation and analysis of vitamin content in various fruit juices. The session concluded with a hands-on demonstration where participants had the opportunity to observe the experimental procedure under the guidance of the experts. Overall the session on the determination of vitamin content in fruit juices provided participants with valuable insight into the scientific methodology and significance of accurate vitamin measurement.



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## Second Session:

The second session of the final day of the workshop on food safety and nutritional security featured a significant interaction between the participants and three distinguished food safety officers, Mr. Rajesh Kumar Yadav (Divisional Food Safety Officer), Dr. Anjali Srivastava (Food Safety Officer) and Mr. P.K. Rai (Food Safety Officer) from Food Safety and Drug Administration, Uttar Pradesh.

Dr. Sarita Srivastava commenced the session by introducing the three esteemed guests.

Mr. Rajesh Kumar, an esteemed expert in the field of food safety addressed the students. He appreciated the students for their eagerness of being conscious about food safety in their daily lives. Furthermore, Mr. Rajesh shared insight into the exciting and evolving career opportunities within the realm of food safety. Dr. Anjali Srivastava discussed the multifaceted nature of food safety, highlighting its relevance across various stages of food supply chain. Mr. P. K. Rai introduced students with the food safety and connect app. These offices arrived with a mobile testing laboratory which provided students with a unique opportunity to engage in practical testing of various food samples. Awareness was made by checking the substances mixed in milk like urea, detergent, sucrose etc, on the spot by mobile laboratory.



## Third Session:

The third and the final session of the day in the workshop on “Food Safety and Nutritional Security” featured yet another enlightening demonstration led by Dr. Madhulika Singh and her team. The focus of this session was on the estimation of crude fiber content in food products, highlighting its significance in assessing the nutritional quality of various substances. The combination of expert presentation, interactive session and practical demonstration ensured a holistic learning experience, leaving participants inspired and empowered to contribute positively to the realm of food safety and nutrition.

## Valedictory Function:



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The three days workshop culminated with the valedictory function. The function was over seen by Dr. Hemlata Pant, who adeptly managed the entire proceedings. During this event Dr. Vishal Srivastava provided an overview of all the activities that took place over the three days workshop on “Food Safety and Nutritional Security”. Dr. Babita Agarwal expressed gratitude to the guests, faculty members and the participants in the form of vote of thanks. Subsequently, certificates were distributed to acknowledge the participants active involvement in the seminar. With this final event, the workshop came to a fulfilling and successful conclusion.





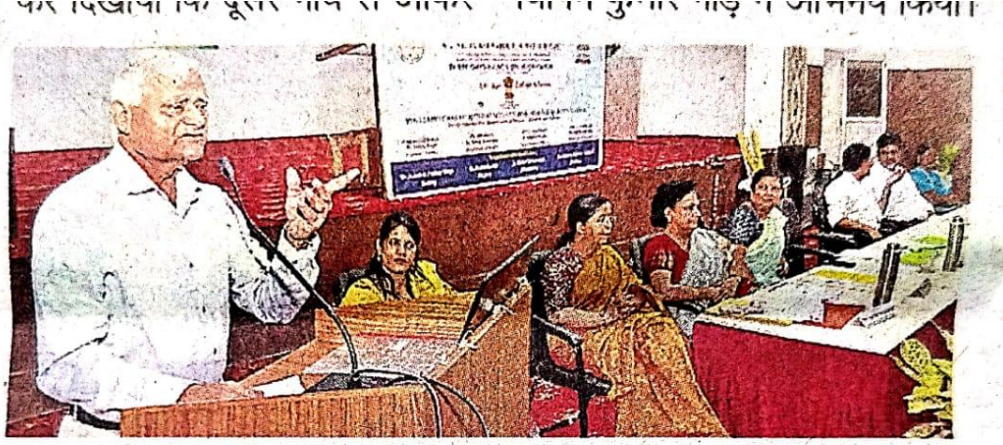
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सीएमपी डिग्री कालेज में आयोजित सेमिनार में बोलते प्रो. जगदंबा सिंह • जागरण

## जीवन के लिए जरूरी है मिलावट मुक्त भोज्य पदार्थ

जासं, प्रयागराज: सीएमपी डिग्री कालेज के रसायन, जंतु और वनस्पति विज्ञान विभाग के संयुक्त तत्वाधान में खाद्य सुरक्षा और पोषण सुरक्षा विश्लेषण और गुणवत्ता नियंत्रण विषय पर तीन दिवसीय कार्यशाला शुरू हुई। मुख्य अतिथि इलाहाबाद विश्वविद्यालय के पूर्व डीन प्रो. जगदंबा सिंह ने कहा कि आज खाने-पीने की वस्तुओं में मिलावट एक गंभीर चुनौती बनी हुई है जो हमारे स्वास्थ्य से जुड़ा हुआ है। कोलेस्ट्रॉल को लेकर के हमारे बीच में बड़ा भ्रम है जबकि गुड कोलेस्ट्रॉल हमारे मेटाबोलिज्म चयापचय के लिए आवश्यक है। 70 प्रतिशत से अधिक बीमारियां दूषित पेयजल की वजह से होती हैं। गेहूं के आटे से भी बहुत सारे लोगों को एलर्जी होती है। भोजन सीधे-सीधे हमारे जीवन शैली से जुड़ा प्रश्न है, इसलिए हर व्यक्ति को मिलावट मुक्त चीज उपलब्ध कराना सरकार और समाज की नैतिक जिम्मेदारी है। डा. सरिता श्रीवास्तव, डा. सुजीत सिंह और शिक्षक उपस्थित रहे।

### REPORT ON ONE WEEK FACULTY DEVELOPMENT PROGRAM CUM HANDS ON TRAINING WORKSHOP ON "Neoteric Advancement in Nanotechnology" (13-18<sup>th</sup> September, 2023)

Report: Day 1

The first day of the one week FDP cum hands on training workshop on " Neoteric Advancement in Nanotechnology" organized by the Department of Chemistry under the aegis of DBT star scheme (13<sup>th</sup>-18<sup>th</sup> September,2023) commenced with the blessings of Prof. Ajay Prakash Khare, Principal, CMP Degree College. The inaugural session began with the ceremonial lighting of the lamp followed by the "Saraswati vandana" invoking the blessings of the goddess of wisdom and knowledge. The session was overseen by Dr. Monika Singh.



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The workshop was honored to have Prof. HP Tiwari, Ex. Vice Chancellor and Ex. Head, Department of Chemistry, University of Allahabad as the chief guest and Prof. Anchal Srivastava, Department of Physics, Institute of Science, BHU as the guest of honor and keynote speaker for the first session of workshop. Dr. Babita Agarwal extended a gracious welcome to all the guests and participants. Her welcoming remarks highlighted the significance of the workshop and its potential impact on the field of nanotechnology. Dr. Mridula Tripathi gave a brief introduction about the workshop. Dr. Deepanjali Pandey had the honor of introducing the guest of honor Prof. Anchal Srivastava. Her introduction shed light on the accomplishments and expertise of Prof. Srivastava. Presence of two esteemed personalities, Dr. Akhilesh Kumar, Assistant Professor, PBPG College, Pratapgarh and Dr. Rajiv Giri undeniably added a layer of depth and engagement to this workshop. It's worth noting that the seminars success was further amplified by the impressive turnout of 250 participants.

Prof. Anchal Srivastava emphasized on the critical importance of nanotechnology in today's world. He highlighted how nanotechnology has become an integral part of various industries, from medicine to electronics and how it has the potential to revolutionize our lives. Chief guest Prof. HP Tiwari shared insight into the development in the field and various ways in which these nanoparticles are being used as a drug deliver agents. Vice Principal Dr. Nita Sinha and Dr. Meena Rai also shared their thoughts on the same. The session ended with vote of thanks which was given by Dr. AK Shukla, he expressed gratitude to all those who contributed to the success of the inaugural session.

In the second session the keynote speaker was Dr. Ishan Pandey. He talked about the "Oncobiome", how oncobiome affect cancer and gave future directions in oncobiome research. Chairperson Dr. Santosh Srivastava also shared his thoughts on the same. The session was overseen by Dr Deepanjali Pandey. The presence of large number of participants helped the session to end at a successful note.





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**Day 2 - Report on Faculty Development Program cum Hands-on Training Workshop on "Neoteric Advancement in Nanotechnology"**

### First Session

Second day of the workshop commenced with a warm welcome extended to the distinguished speakers, Prof. Ravindra Dhar Dwivedi, hailing from the Centre of Material Science in Prayagraj, and Professor Kumud Dubey, a senior scientist at IFRE-ERC, Prayagraj. The welcome gesture involved offering saplings to the speakers, courtesy of Dr. Gyan Prakash and Dr. Mridula Tripathi. Dr. Sunanda Das assumed the role of the session's chairperson, and



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the brief CVs of both invited speakers were eloquently presented by Dr. Ashok Kumar Ranjan and Dr. Praveen Tripathi.

The first segment of the session was led by Professor R. Dhar, who skillfully set a friendly and engaging tone for the audience. His presentation centered on the theme "Nanotechnology in Photovoltaic/Solar Energy." Professor Dhar discussed intriguing topics, such as the application of tulsī-coated silver nanoparticles in catalysis and other domains, emphasizing the inseparable relationship between science and technology. He elucidated how energy underpins all aspects of nature and how nanotechnology plays a pivotal role in enhancing the efficiency of batteries, a crucial energy-storage device. Furthermore, he highlighted the potential of organic semiconductor materials in revolutionizing the development of cost-effective and high-efficiency solar cells. Prof. Dhar also delved into the fascinating world of discotic liquid crystals (DLCs), elucidating their current applications in mobile displays, laptops, automobiles, watches, and more.

The second speaker of the session, Professor Kumud Dubey, presented her insights on "Application of Nano Materials in Agriculture and Forestry." Her comprehensive lecture covered the fundamentals of nanotechnology and ventured into more advanced topics, notably carbon nanotubes, which are astoundingly 100 times stronger than steel yet six times lighter. Prof. Dubey underscored the wide-ranging applications of nanotechnology in environmental remediation, medicine, agriculture, and the economy. She shed light on how nanotechnology can revolutionize crop improvement, crop protection, stress tolerance, and precision farming through the use of bio-nanocomposites, nanotubes, and other innovative approaches.

The session was expertly hosted by Dr. Pramod Sharma, and Dr. Sunanda Das delivered a heartfelt vote of thanks to conclude the proceedings. Dr. Monika Singh and Dr. Deepanjali Pandey served as the rapporteurs for the session, diligently documenting the valuable insights and discussions shared by the speakers.

## Second Session

The second session of Day 2 commenced with an enlightening presentation by Dr. Priyanka Chawla, a distinguished research associate from CMP Degree College. Dr. Chawla's presentation focused on the captivating subject of "Dye-Sensitized Solar Cells" (DSSCs), providing an additional layer of depth to the workshop's exploration of advanced nanotechnology applications.

Following Dr. Chawla's insightful presentation, the workshop provided a platform for students and research scholars to showcase their own work. A total of 20 participants eagerly seized this opportunity to present their research findings and innovative ideas, contributing to the overall richness of the workshop.

To evaluate and acknowledge the efforts of these young scholars, a panel of three esteemed judges, namely Dr. Deepa Srivastava, Dr. Praveen Tripathi, and Dr. Amita Pandey, meticulously assessed the presentations. In a gesture of encouragement and appreciation, Dr. Babita Agarwal and Dr. Mridula Tripathi extended their warm wishes to the participating students for their active and enthusiastic engagement in the workshop. Their words of encouragement further motivated the students and research scholars to continue their pursuit of excellence in the field of nanotechnology.





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and Applications". Dr. Giri provided valuable insights into carbon nanotubes, categorizing them and emphasizing their critical role in nanotechnology. He also shed light on the emerging field of carbon quantum dots, elucidating their unique properties and potential applications. In recognition of his informative presentation, Dr. Arti Gupta presented Dr. Rajeev Giri with a memento as a token of respect and appreciation on behalf of the workshop.

Dr. Archana Pandey, the second speaker of the session, brought a new dimension to the discussion with her presentation on the intriguing topic "Tan aur Mann Ka Rasayan Vigyan" (Chemistry of Body and Mind). In her presentation, she highlighted the pivotal role played by various hormones produced within the human body. Some of these hormones included serotonin, dopamine, cortisol, melatonin, and others, which she discussed in detail. In recognition of her insightful discourse, Dr. Sarita Srivastava, Dr. Babita Agarwal, and Dr. Mridula Tripathi jointly presented her with a memento as a gesture of appreciation.

Dr. Simant Srivastava, the third and final speaker of the session was introduced by Dr. Akram Ali. Dr. Simant Srivastava enlightened the audience with his presentation on "Synthesis, Characterization, and Application of Nanomaterials." He delved into the fundamentals of nanomaterials and explored techniques such as sol-gel processes, preparation methods for thin films via spin-coating, X-ray diffraction techniques, and photocatalytic applications. Dr. AK Shukla had the honor of presenting a memento to Dr. Simant Srivastava in recognition of his informative and enlightening presentation.

## **Second Session:**

The second session of the day was a highly anticipated laboratory visit to the Centre of Material Science, University of Allahabad. This visit provided an opportunity for participants to engage with laboratory instruments and gain practical insights into the field of nanotechnology. The participants were accompanied by Dr. AK Shukla, Dr. Babita Agarwal, Dr. Monika Singh, Dr. DK Sahu and Dr. Priyanka Chawla. During the lab visit, participants had the privilege of exploring a range of sophisticated instruments that are instrumental in nanotechnology research. These instruments included: X-Ray Diffraction (XRD), Fourier Transform Infrared Spectroscopy (FTIR), UV-Visible Spectrophotometer, Pressure Differential Scanning Calorimeter (PDSC), Pressure Light Microscope (PLM) or Pressure Optical Microscope (POM.) This hands-on experience provided a unique opportunity for participants to bridge the gap between theoretical knowledge and practical application in the field of nanotechnology. The workshop organizers are grateful to the Centre of Material Science, University of Allahabad, for opening their doors and facilitating this enriching laboratory visit



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 GPS Map Camera

Prayagraj, Uttar Pradesh, India

FR5X+QW2, Colnel Ganj, George Town, Prayagraj, Uttar Pradesh 211002, India

Lat 25.459414°

Long 81.849638°

15/09/23 03:02 PM GMT +05:30

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Prayagraj, Uttar Pradesh, India

19, Kamla Nehru Rd, Police Line, Prayagraj, Uttar Pradesh 211004, India

Lat 25.459464°

Long 81.849523°

15/09/23 03:09 PM GMT +05:30

**Day 4** - Report on Faculty Development Program cum Hands-on Training Workshop on "Neoteric Advancement in Nanotechnology"

## First Session:

The fourth day of the workshop was marked by a stimulating and informative first session, featuring two distinguished invited speakers who illuminated various facets of HPTLC: Mr. Mohit Upadhyay, Application Chemist and Anchrom Enterprises. Dr. Santosh Srivastava Associate professor, Department of Chemistry, C.M.P. Degree College

The session commenced with a warm and respectful welcome extended to the esteemed guests. This welcome was symbolized by the presentation of saplings, representing growth and knowledge, thoughtfully offered by Dr. Deepanjali Pandey, Dr. Babita Agarwal and Dr. Vishal Srivastava. Dr. Vishal Srivastava also shared the full CV of the first speaker, Mr. Mohit Upadhyay, highlighting his significant contributions to the field of High Performance Thin Layer Chromatography (HPTLC). Mr. Upadhyay gave a captivating presentation centered on the theme "High Performance Thin Layer Chromatography". Mr. Upadhyay gave insightful explanations of how various instruments function according to different features and demonstrated through video how HPTLC operates. He also



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discusses difference between Thin Layer Chromatography (TLC) & High Performance Thin Layer Chromatography (HPTLC). He also shed light on the emerging field of pharmaceutical, elucidating their unique properties and potential applications. In recognition of his informative presentation, Dr. Sunanda Das sapling to a speaker Mr. Mohit Upadhyay to presented and certificate.

Dr. Santosh Srivastava, the second speaker of the session, brought a new dimension to the discussion with his presentation on the intriguing Theme: "Millets: A Superfood or a Diet Fad. Dr. Srivastava gave us information about millets and why it is so important for our daily diet and health. Dr. Srivastava also told that they can be easily cultivated or cultivated ever in different condition can be produced and also told what kind of nutrition we get from it. In recognition of his informative presentation, speaker Dr. Santosh Srivastava was honored by Dr. Monika Singh with a sapling and Dr. Babita Agrawal honored by giving certificate.

The session was expertly hosted by Dr. Deepanjali Pandey and Dr. Meena Rai delivered a heartfelt vote of thanks to conclude the proceedings. Dr. Meena Rai thanked Mr. Upadhyay for his expertise presentation about HPTLC. Dr. Meena Rai thanked Dr. Santosh Srivastava for sharing information about benefits of millets and in the end Dr. Meena said that a will come when we will take care of nature will return again.

### Second Session:

Inaugurating the second session, Dr. Babita Agarwal called Ritu Ravi and Nivedita Srivastava for hosting. While starting the hosting, she welcomes everyone with great warmly and took the program forward. A total of 15 participants eagerly sized this opportunity to present their research finding and innovative ideas, contributing to the overall richness of the workshop. To evaluate and acknowledge the efforts of these young scholars, a panel of six esteemed judges, namely Dr. Monika Singh, Dr. Vishal Srivastava, Dr. Dharmendra Kumar Sahu, Dr. Deepanjali Pandey, Dr. Ashok Kumar Ranjan and Dr. Pramod Kumar, meticulously assessed the presentation. Dr. Vishal Srivastava, Dr. Mridula Tripathi, and Dr. Babita Agarwal made a gesture of support and appreciation. The end of the second session, Dr. Vishal Srivastava concludes the student session with some warm wishes to the entire presenter and inspired to come forward and take part into various program where all the P.G. students and research scholars explore their self and gain knowledge from these kind of workshops which help to buildup confidence and their communication skills.

**Day 5** - Report on Faculty Development Program cum Hands-on Training Workshop on "Neoteric Advancement in Nanotechnology"

### First Session:

The last day of the workshop was marked by a stimulating and informative first session, featuring One distinguished invited speakers who illuminated facets of Water literacy: Dr. Pramod Kumar Sharma Assistant professor, Department of Chemistry, C.M.P. Degree College





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The session commenced with a warm and respectful welcome extended to the esteemed guests and Dr. Arti Gupta chaired this session. This welcome was symbolized by the presentation of saplings, representing growth and knowledge, thoughtfully offered by Dr. Deepanjali Pandey, Dr. Babita Agarwal and Dr. Jaya Srivastava. Dr. Jaya Srivastava also shared the full CV of the first speaker, Dr. Pramod Kumar and called him “Ganga Putra”, highlighting his significant contributions to the field of “Water Management”. Dr. Pramod explained the significance of water in our daily lives. He discussed alarming concern about whether safe water will be available for drinking in the future observing the current water deficit. He also gave information about water literacy course which he runs to spread awareness about water conservation among the next generation. In recognition of his informative presentation, Dr. Babita Agarwal honored the speaker Dr. Pramod Kumar by given sapling and certificate. Dr. Arti Gupta shared some experience related to water crisis in different part of India and encourage the participants for water conservation

At last of first session feedback from various participant was taken they were given an opportunity to express their feelings and knowledge which they have gained during this six days of workshop.

### Valedictory Session:

Starting the second session of the last day of the one week workshop program, whole anchoring by Dr. Monika Singh welcomed her chief guest Prof. I.R.Siddiqui, head of the Department of Chemistry was a chief guest of the session. The dies inlighted by the presence of Prof. Ajay Prakash Khare principal of C.M.P.Degree College. Prof. Khare honored the chief guest by presenting him sapling. Taking everything forward Dr. Vishal Srivastava presented the report of the one week workshop program in a systematic manner. Dr. Babita Agarwal gave the welcoming the chief guest principal sir, faculty members and participant. Prof. Khare blessed participant with his encouraging words his said that nanotechnology has various scope to explore and he appreciated organizing committee for providing platform to be student foe learning this new technology. While taking about nanotechnology. Prof. Siddiqui also told about is special area such as Drug delivery, nano materials etc. Prof. I.R. Siddiqui delivered Captivating speech who nanotechnology is involved in our life and he also inlighted the participant by giving information about different field of nanotechnology such as drug delivery, Nanomaterial etc. Dr. Sarita Srivastava discuss about the benefits of the one week workshop. Dr. Meena Rai conclude the workshop and Dr. Mridula Tripathi thanked the chief guest, speaker resource persons, organizing committee of the workshop and participant.



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## नई टेक्नोलॉजी से अपडेट होते रहना जरूरी- प्रो. आई.आर. सिद्दीकी



### लोकमित्र ब्यूरो

**प्रयागराज।** सी.एम.पी. डिग्री कालेज के रसायन विज्ञान विभाग, आईक्यूएसी डीबीटी स्टार कालेज एवं कैपिसिटी बिल्डिंग स्कीम के संयुक्त तत्वावधान में आयोजित 'नैनोटेक्नोलॉजी एडवांसमेंट इन नैनोटेक्नोलॉजी' विषय पर आयोजित सात दिवसीय फैकल्टी डेवलपमेंट एंड हैंड्स ऑन ट्रेनिंग कार्यशाला के में मुख्य अतिथि के रूप में बोलते हुए इविवि के रसायन विज्ञान विभाग के विभागाध्यक्ष प्रोफेसर सिद्दीकी ने कहा कि ऐसे कार्यक्रम हमारे शिक्षकों और शोध छात्रों के लिए लाभदायक साबित होंगे, हमें लगातार नई-नई टेक्नोलॉजी से अपग्रेड होते रहने की आवश्यकता है। अतिथियों का स्वागत करते हुए विभाग की

संयोजिका डॉ. बबिता अग्रवाल ने कहा कि यह वर्कशॉप आप सभी शिक्षकों एवं छात्रों के सहयोग से सफलता पूर्वक संपन्न हुई। नैनो टेक्नोलॉजी के उपयोग से हम बहुत सी समस्याओं को आसानी से हल कर सकते हैं। कार्यक्रम की संयोजिका डॉ. मृदुला त्रिपाठी ने कहा कि भारतीय ज्ञान परंपरा में हमने नैनोटेक्नोलॉजी का उपयोग किया है शायद यह नया नहीं बल्कि हमारे प्राचीन ज्ञान विज्ञान का ही एक रूप है हमारी माताएं जिस तरह से दीपक से काजल बनाती थीं, जापान की तलवार साडियों एवं विशेष तरह की दीवारों आदि में इस प्रकार का उदाहरण मिलता है। आयुर्वेद में प्रयोग होने वाले भस्म, होम्योपैथी में डायलूट

दवाओं का प्रयोग भी नैनो का ही प्रयोग है। अध्यक्षता करते हुए कालेज के प्राचार्य प्रो. अजय प्रकाश खरे ने कार्यक्रम को सराहा और कहा कि ऐसे कार्यक्रम शिक्षकों और छात्रों के लिए ज्ञानवर्धक हैं और हमें करते रहना चाहिए। प्रथम सत्र में जल साक्षरता विषय पर आमंत्रित व्याख्यान विभाग के डॉ. प्रमोद शर्मा ने देते हुए कहा कि आने वाले तीस वर्षों में जल संकट की बड़ी समस्या आने वाली है उससे बचने के लिए हमें सामुदायिक प्रयास करने की आवश्यकता है। इस अवसर पर रसायन विज्ञान विभाग के डॉ. विशाल श्रीवास्तव ने कार्यशाला की रिपोर्ट प्रस्तुत की, कई शोध छात्रों एवं पीजी के छात्रों ने अपने अनुभव शेयर किए। संचालन डॉ. मोनिका सिंह ने किया, धन्यवाद ज्ञापन डॉ. मृदुला त्रिपाठी ने दिया इस अवसर पर कालेज की डॉ. मीना राय डॉ. सरिता श्रीवास्तव, डॉ. अशोक रंजन, डॉ. जया श्रीवास्तव, डॉ. रंजीत कुमार, पूजा मिश्रा, मो. जहीर, श्रद्धा तिवारी, आपसीन फतिमा, रितु रवि, साक्षी सिंह, अरुण कुमार, अमित जैसवाल, महिमा मिश्रा सहित बड़ी संख्या में शोध छात्र और पीजी के छात्र उपस्थित रहे।

Departmental Coordinator

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Convener

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