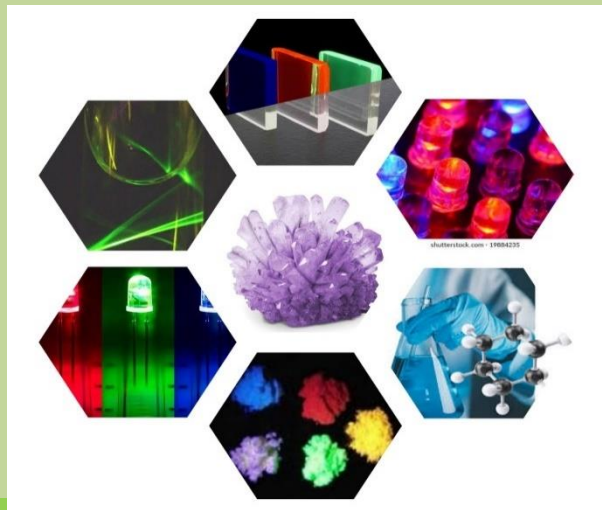


# Two Day National Conference on Recent Progression in Materials Science (NCRPMS-2025) February 24-25, 2025



Organized by:

Department of Chemistry  
Aggarwal College Ballabgarh  
Affiliated to M.D. University, Rohtak

Venue: Auditorium, Aggarwal College Ballabgarh

Sponsored by DRDO, New Delhi  
&  
Approved by DGHE, Haryana

## About NCRPMS -2025

Recent advancements in material science have been transformative, driving innovation across multiple industries. One significant progression is the development of advanced materials such as nanomaterials and smart materials, which possess unique properties at the nanoscale and respond dynamically to external stimuli. These materials have found applications in fields ranging from electronics to medicine, enabling the creation of more efficient and responsive devices. Another notable advancement is the improvement of materials for energy storage and conversion, including the development of high-performance batteries and fuel cells, which are crucial for the transition to sustainable energy solutions. Additionally, there has been progress in the field of biomaterials, leading to the creation of more effective implants and prosthetics that better integrate with the human body. Department of Chemistry, Aggarwal College Ballabgarh is entering into the noble initiative of commemorating this two day National Conference on the topic entitled "Recent Progression in Materials Science" on February 24-25, 2025 to embrace the breakthrough contributions/innovations and infuse the seeds of creativity and skills in the budding, aspirational minds who could bring in further transformations helping in achieving the aspirational goals. The conference will include a special Brainstorming Interactive Educational Workshop for the participants wherein the young minds would be engaged in safe and sustainable chemistry activities.

## About Department of Chemistry

The Department of Chemistry at Aggarwal College Ballabgarh, is a key component of the institution's commitment to provide high-quality education in the field of science. Complementing the Department's academic excellence is the Chemical society and Eco & Energy Conservation Club of the college. The department boasts well-equipped laboratories that facilitate hands-on learning and research, enhancing students' practical experience and theoretical knowledge. The faculty members are experienced and dedicated, engaged in both teaching and research to foster a dynamic learning environment. In addition to rigorous academic training, the department encourages participation in seminars, workshops, and scientific discussions to broaden students' perspectives and keep them updated on recent advancements in the field.

## About the College

Aggarwal College in Ballabgarh (Faridabad) started with a humble beginning in 1971. Since then, it has seen an enviable growth over the years. Currently, it is not only one of the most distinguished co-educational institutions of our country, but, is also the college of first choice in Faridabad, having its own state-of-the-art Research Centre. Aggarwal College in Ballabgarh, (Faridabad) is a well-reputed educational institution affiliated with Maharshi Dayanand University (MDU), Rohtak with an 'A++' grade accredited by NAAC. Established to provide qualitative higher education, the college offers a diverse range of undergraduate and postgraduate programs across fields such as Arts, Commerce, Science, and Computer Applications. The campus is equipped with modern facilities, including state-of-the-art classrooms, well-equipped laboratories, a comprehensive library, and recreational areas. The college is known for its dedicated faculty who play a crucial role in both teaching and research. In addition to academics, Aggarwal College Ballabgarh, emphasizes the importance of extracurricular activities, encouraging students to participate in sports, cultural events, and various student organizations. The institution also engages in community service initiatives, promoting social responsibility among its students. Overall, Aggarwal College, aims to provide a holistic educational experience that fosters both intellectual and personal growth of the students.

## Call for Papers

Original papers on the areas of interest are invited. The list is indicative and not exhaustive in coverage. The contributors may include any other topic under the broad categories of following themes

- ❖ Functional Materials and Sensors
- ❖ Thin Films, Glasses and Ceramic Materials
- ❖ Energy Efficient Materials and Batteries
- ❖ Green Chemistry and Its Applications
- ❖ Chemicals in Pharmaceuticals
- ❖ Supramolecular Chemistry
- ❖ Crop Protection Chemicals
- ❖ Synthesis of Drugs for Medicinal Purpose
- ❖ Mechanics of Biomaterials
- ❖ Plant Growth Promoting Liquid Bioformulation
- ❖ Solvent Free Extraction
- ❖ Polymers
- ❖ Biopharmaceuticals
- ❖ Molecular Interactions
- ❖ Hydrogen Producing Materials
- ❖ Sustainable Batteries
- ❖ Residue Estimation
- ❖ Pesticides
- ❖ Drug Synthesis
- ❖ Bioformulation

## Format of Paper

Participants are invited to submit their original and unpublished research work (1500-3000 words) that should be written in Times New Roman Font, double line spacing with 12 Font size using Microsoft word. Corresponding authors must be highlighted by asterisk (\*) with complete mailing address. Paper should be submitted along with registration form and fee details at [ncrpms2025@gmail.com](mailto:ncrpms2025@gmail.com).

## Oral Presentation

The conference will comprise of oral presentations. The time limit for oral presentations will be **7 minutes**. The best presentations will be selected by a three-member panel of judges, and the selected presenters will be awarded. Interested candidates may submit their abstracts through email to [ncrpms2025@gmail.com](mailto:ncrpms2025@gmail.com).

## Poster Presentation

The conference will also have poster presentation session. The standard poster dimensions are **48 x 36 inches (length × width)**. The best posters will be selected by a three-member panel of judges, and the selected presenters will be awarded. Interested candidates may submit their abstracts through email to [ncrpms2025@gmail.com](mailto:ncrpms2025@gmail.com).

## Accommodation

Accommodation in the Guest Houses and Hotels can also be arranged for the participants on request and confirmation on payment basis. Delegates may indicate their options in the registration form.

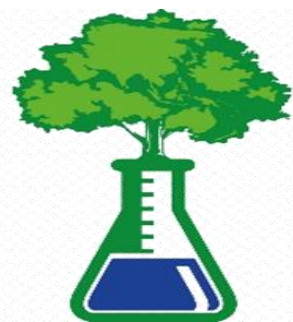
## Objectives

- ❖ Providing a unique opportunity to meet educators, scholars, eminent scientists and experts from various segments of industries to exchange knowledge and ideas on the recent advances in the field of chemistry.
- ❖ Promoting collaborative endeavors and interdisciplinary linkages to meet the challenges in Health and Environmental Sectors.
- ❖ Providing a platform to explore newer fields at the interface of research including nanotechnology, life sciences and material chemistry.
- ❖ Inspiring young minds towards sustainable ventures that positively impact society and future research.

It gives us immense pleasure to invite you to attend National Conference on "**Recent Progression in Materials Science**" organized by the Department of Chemistry, Aggarwal College Ballabgarh, February 24-25, 2025.

## National Advisory Committee

Prof. D. Kanjilal, Ex-director, Raja Ramanna Fellow, IUAC, New Delhi  
Prof. R.P Tondon, University of Delhi, Delhi  
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Dr. Komal Jakhar, Maharshi Dayanand University, Rohtak  
Dr. Sushil Ahlawat, Scientist, Chaudhary Charan Singh Haryana Agricultural University, Hisar



## Local Organizing Members

Dr. Archana Chauhan  
Ms. Geeta Rathi  
Ms. Manshi Tyagi  
Ms. Tina Jain  
Ms. Muskan Kaushik

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**Sh. Devender Kumar Gupta**  
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### Patron

**Dr. Sanjeev Kumar Gupta**  
Acting Principal, Aggarwal College Ballabgarh

### Convener

**Dr. Priyanka Sehrawat**  
Head, Department of Chemistry  
Aggarwal College Ballabgarh

### Co- Convener

**Dr. Ram Chander**  
Librarian, Aggarwal College Ballabgarh

### Organizing Secretary

**Dr. Jyoti Yadav & Dr. Pooja Sharma**  
Assistant Professor, Department of Chemistry  
Aggarwal College Ballabgarh

Registration Fee	Till 10 <sup>th</sup> Feb., 2025	After 10 <sup>th</sup> Feb., 2025
Participants from Academic Institutions and R&D Institutions	800/-	1000/-
Research Scholars/ Accompanied Persons/ Retired Professionals	600/-	800/-
PG Students	400/-	600/-



## Deadline

Submission of abstract (oral and poster) may be made latest by 10<sup>th</sup> February, 2025.

## Registration

The registration will be done only through google form: <https://forms.gle/TwoikcJA8aBdTNFS7>



(QR Code for transfer of registration Fee)

## Important Dates

Last Date For Submission of Abstract	10 <sup>th</sup> February, 2025
Last Date for Submission of Full Paper	15 <sup>th</sup> February, 2025

\* Accepted papers will be included in the conference proceedings with ISBN after the confirmation of registration fee & participation in the conference.

## Outcomes of the Conference

- Enhanced networking relations among researchers, technology developers and innovators.
- Enhanced linkage and partnerships between academia and industry.
- Enhanced capacity for exchange of scientific ideas among researchers, faculty and industrialist in the region
- Publication of conference preceding book with various scientific ideas.

## For Any Query, Please Contact

**Dr. Priyanka Sehrawat (Convener)**  
Head, Department of Chemistry  
Aggarwal College, Ballabgarh

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Email: [ncrpms2025@gmail.com](mailto:ncrpms2025@gmail.com)