

National Conference On
Advances in Polymer Materials
11-12 April, 2023



Conference Theme
Polymer Science & Technology

Supported By



Defence Research Development Organization, India

Venue

Department of Chemistry
College of Basic Sciences & Humanities
G.B.Pant University of Agriculture & Technology
Pantnagar (Uttarakhand), India -263 145

Important Dates

Start of registration: December 20, 2022
End of Registration: March 20, 2023
Last date of full text submission: March 10, 2023
Last date of abstract submission: March 31, 2023

Register online at: <https://forms.gle/KqLw2hdYEXezMSpM9>

Contact

E mail material.conferences@gmail.com
Call at +919411159853,

Conference website
<https://www.apm-2023.gbpuat-cbsh.ac.in>

ABOUT UNIVERSITY

Over six decades ago, in 1960, G.B. Pant University of Agriculture & Technology (G.B.P.U.A. & T), the first Agriculture University of the nation, was established in Pantnagar. University was established under *Land Grant* pattern of Agriculture Universities of U.S.A. G.B.P.U.A. & T, came into existence under UP Act XI-V of 1958 keeping in view of the contributions of Pt. Govind Ballabh Pant, then Chief Minister of UP. University was dedicated to nation by Pt Jawaharlal Nehru, the first Prime Minister of India, on 17 November 1960. Establishment of University brought revolution of higher education & research in agriculture & extension. Presently, University campus has various colleges catering quality education & research in agriculture, home science, veterinary & animal Sciences, basic sciences & humanities, technology, agribusiness management & fisheries.

ABOUT DEPARTMENT OF CHEMISTRY

Department of Chemistry at college of Basic Sciences & Humanities is known for quality teaching & research in fundamental & applied chemistry over decades. Department has been conducting M.Sc & Ph.D programs in Chemistry, M.Sc (Ag) & Ph.D Agricultural Chemicals over decades. Department is equipped with necessary analytical facilities for multidisciplinary research in the areas of material science, bio-inorganic chemistry, phytochemistry, green & agriculture chemistry. Department has received extramural findings from DRDO, UGC, DBT, DST, MoE&F, UCOST, DST-FIST & private organizations. Department has established the worth of dissemination of research through quality publications & patents in frontier areas of physical, chemical & agricultural sciences.

ABOUT APM-2023

APM-2023 invites & welcomes eminent scientists, technocrats, innovators, solution providers & decision makers involved in R&D of polymer materials at DRDO supported two day national event APM-2023, which will be held during April 11-12, 2023. Expert lectures & presentations from eminent academia & industries will stimulate the scientific & industrial significance of polymer materials in development of consumer electronics, composite structures, sensors, coatings, stealth, energy storage, automobiles & strategic defense. APM-2023 will extend wider scopes & opportunities to delegates leading to exchange of new ideas & experiences face to face, to establish the future collaborations between academia & industries at event. Event will broaden the outcomes of academia & industries dealing with R&D in context to multilateral inquisitions in polymer innovations.

CHIEF GUEST

Dr. Mayank Dwivedi, Director, DMSRDE, DRDO, Kanpur, UP

KEYNOTE SPEAKERS

Dr. Pawan Kumar Khanna Professor, Department of Chemistry, DIAT, DRDO, Pune, MR.

Dr. D.S. Bag Head Polymer Division, DMSRDE, DRDO, Kanpur, UP.

Dr. Prasun Kumar Roy Scientist F, CFEES, DRDO, Delhi.

Dr. Pushpendra Kumar Associate Professor, Department of Physics, Manipal University Jaipur, RJ.

INVITED SPEAKERS

Dr. Prem Pal Professor, Department of Physics, IIT Hyderabad

Dr. Sheerin Masroor Assistant Professor, Department of Chemistry, A.N.College, Patna, BR

TOPICS OF CONFERENCE (BUT NOT LIMITED)

- Development, designing, structural engineering & failure analysis of polymer materials.
- Polymer materials in electronics & sensors, armors, stealth, aviation, automobile & strategic defense, clothing & textiles, electrochemical energy storage, corrosion protection, water purification, biotechnology, control release & biomedical implants.
- Polymer materials from renewable & waste resources.
- Green methodologies in processing of polymer materials.
- Synthesis & characterization of nano materials employed as fillers in development of polymer materials & their impact on ecosystem.
- Computational aspects of polymer science.

CALL FOR PAPERS

Prospective authors are invited to submit unpublished papers for Scopus indexed journals, book chapters (to be published in ISBN numbered e-Book), abstracts & posters to material.conferences@gmail.com. Papers (not exceeding 6 pages) & book chapters (at least 10,000

words) should be in English language including title, authors details, abstract, introduction, tables, figures, conclusion & references. Style of references may be following Elsevier numbered style 1. <https://booksite.elsevier.com/9780081019375/content/Elsevier%20Standard%20Reference%20Styles.pdf>. All communications will be evaluated for plagiarism, originality, relevance, topic length & onward double blind peer reviewed. Details of reviewer comments will be E mailed to authors. **Details of Scopus index journals for paper publications will be disclosed on conference website soon.**

GRAPHICAL ABSTRACTS to be submitted in *camera ready form* including title (12 pt Times New Roman), single spaced scientific content (150 words, Times New Roman, 10 points), one composite picture highlighting scientific work either in the form of graphs or figures (3x6.5", preferably 300 dpi) supported with not more than five references (Times New Roman, 9 points). This should be along with clear faced photographs (1x1") of presenting author & short biography (50 words). Name of presenting author should be underlined followed by email, contact numbers in centralized position. Abstracts will be printed in black & white along with images / figures.

POSTERS Registered delegates may submit the posters (3x5 feet) presenting the salient findings through emphasizing graphics keeping text to minimum. Posters should involve the following sections:

1. Title & Affiliations: Centralized representation of conference as **APM: April 11-12, 2023** in Arial bold (40 fonts) followed by clearly visible title (Arial 80 points) along with institute logos or affiliations in minimized text size (Arial 20 points) next to the title.

2. Introduction: This should highlight background information & Objectives of studies in bullet points.

3. Methods: Should be straight, short highlighting with brief laboratory methods.

4. Results: Should specifically address the hypothesis & refer to supporting high resolution charts, graphics & tables with minimum text content (Arial) readable at a distance of 20 feet away & body text from 6 feet away. Graphics & tables should have complete title & legend. Avoid using patterns or open bars in histograms excess grid lines in tables & discussions pertaining to data curves. Use colors up to three numbers. Utilize regions of empty space between poster elements.

5. Conclusion & Recommendations should involve comment on main results & discuss why they are conclusive & interesting. What are your recommendations?.

Acknowledgments Thank individuals & funders for their specific assistances.

REGISTRATION FEE

National Delegates	
Undergraduate, Postgraduate & Ph.D. Students*	Rs.1,500
Faculty, Research Fellows, Post Doctorates	Rs.2,000
Industries, R&D sectors	Rs.7,000
Publication in Journals	Rs.5,000
Publication as e-Book Chapter in ISBN number e-Book	Rs.3,500
International Delegates	
Undergraduate, Postgraduate & Ph.D. students	USD 100
Publications in Scopus Indexed Journals	USD 250

Registration Fee without Publications Includes

A conference kit with conference program, name tag, pen, writing pad, opportunities of abstract submission, oral & poster presentation, publication of graphical abstracts in e-souvenir, access to all conference sessions & exhibition area, refreshments lunch & dinner at first day, high tea at valedictory session of conference & participation certificate from organizing committee. Certificates to co-authors will be provided on deposition of Rs.500. **Depending on the quality, paper will be considered for publication in Scopus Indexed journal or non Scopus Indexed journals with DOI.** Authors from India interested in one each of publication in a journal and an e-book chapter should register with fee Rs 7,000. **Registration fee (non refundable) related to conference registration, exhibition & advertisements should be deposited online to Punjab National Bank, Pantnagar branch Uttarakhand in account No. 4446000100024768 (IFSC code: PUNB0444600).**

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souvenir of the conference, displaying logo of organization on conference website, back of printed invitations, print materials, billboard at the main entrance of conference, placing the advertising materials along with conference kit of attendees, allowing to place the banners & distribution of advertising materials at the registration desk. **Sponsors may enquire about fee related to exhibition & advertisement through e-mail at material.conferences@gmail.com**

TRAVEL & ACCOMMODATION

Pantnagar is about 250 kilometers from Delhi, 256 km from Dehradun & 360 kilometers from Lucknow. It is connected to the rest of India by road. Nearest bus stops to Pantnagar are Rudrapur, & Nagla. Nearest railway stations are Pantnagar, Rudrapur, Lalkaun, Haldwani & Nearest airport is Pantnagar. For conference delegates, accommodations are available in AC, non-AC rooms & dormitories at subsidized rates. Queries regarding booking of preferred accommodations in University Guest House may be made through E mail to Additional Director, Guest House at pantnagarguesthouse@gmail.com (Mobile No.7500241451).

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Dr. Tanveer Irshad Siddiqui, Assistant Professor, M.A. Jouhar University, Rampur. UP.

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Dr. Sandeep Arora (Dean, College of Basic Sciences & Humanities)

Dr.M.G.H.Zaidi (Professor)

Dr. Vivekanand (Professor)

Dr. Ravendra Kumar

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Co-Coordinator

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All Staff Members of Chemistry Department

G.B.Pant University of Agriculture & Technology, Pantnagar, Uttarakhand, 263 145, India