

link: <https://forms.gle/ebuyKT693q364fPe7> or by Scanning the QR code. The main text of the abstract, like the author names, uses Times New Roman font, 14 points for the Author names and 12 points for the remainder of the abstract. The limit for your abstract is one page. Keep the page margins of 2.5 cm all around. Paragraphs are justified (straight-edged) on both left and right. Use single-line spacing and leave a line gap between paragraphs. The templates for abstract and poster are available on the Conference registration page. It is insisted that these templates must be used for abstract or poster submissions.



Important Dates

Last date for Abstract Submission and Registration	15th February 2023
Intimation of acceptance of paper	20th February 2023
Dates of Conference	27-28th February 2023

Registration and Mode of payment

Students	₹ 2000/-
Delegates from Academic/ Research Institutions	₹ 4000/-
Delegates from Industries	₹ 10000/-

STEP-I : The fee may be paid by direct bank transfer using the details given below. Please enter "NCETMC2023" in the "Remarks" field if available.

Account Name : Registrar Jiwaji University Gwalior
Account Number : 35574752662
IFSC code : SBIN0004352
BANK and Branch Name : SBI City Centre Gwalior

STEP-II : The payment detail will be needed while filling out the registration form.

STEP-III : Local participants can submit fees in the Department to the Convener of the Conference.

Registration fee includes: Participation in the Scientific Sessions, Registration Kit, Breakfast, Lunch and Dinner during the conference period.

Awards

Best paper award for oral and poster presentation

Accommodation

Very limited accommodation is available in the University Guest House and can be given based on availability with nominal charges (sharing basis). The participants will have to arrange travel expense on their own.

Venue

Seminar Hall

School of Studies in Chemistry
 Jiwaji University, Gwalior (M.P.)-474011

Organizing Committee

Chief Patron

Prof. Avinash Tiwari

Vice-Chancellor, Jiwaji University Gwalior

Patron

Dr. Rajendra Kumar Baghel

Registrar, Jiwaji University, Gwalior

Convener

Prof. Sushil Kumar Gupta

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 Jiwaji University, Gwalior

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Dr. Nimisha Jadon

NATIONAL CONFERENCE

on

**Emerging Trends in Material Chemistry
 (NCETMC-2023) & Alumni Meet**

February 27-28, 2023



Organized by:

School of Studies in Chemistry

Jiwaji University, Gwalior (M.P.)



Sponsored by:

JIWAJI UNIVERSITY

Gwalior

UNIVERSITY GRANTS COMMISSION

New Delhi

Dear Friends

The School of Studies in Chemistry, Jiwaji University Gwalior, is organizing a two-day National Conference on Emerging Trends in Material Chemistry (NCETMC-2023) on February 27-28, 2023, on the eve of the superannuation of Prof. S. K. Gupta, Head, School of Studies in Chemistry. You are warmly invited to join the National Conference. The conference will host leading materials researchers from around the nation. It's the flagship event for the National Materials Chemistry Community and you can be a part of it. Oral and poster presentation opportunities are available to researchers of all career stages and we invite you to submit an abstract to make your contribution. The conference promises an excellent forum for materials chemists/scientists to network with and builds strong collaborations within their community and related disciplines. We look forward to welcoming you to Jiwaji University Gwalior in Feb' 2023.

About Gwalior

Gwalior is a historical city situated in Madhya Pradesh. It is situated 120 km from Agra and 389 km from Bhopal. It is well connected with Bhopal, Mumbai, Jaipur, Bangalore, Kolkata, Hyderabad, Allahabad and other major cities by road, rail and air. It is a city of music, with the richest musical tradition. The legendary musician Tansen belonged to Gwalior, was one of the nine Jewels of the Emperor of Akbar's court. The most famous and memorable landmarks include Gwalior Fort, the tomb of renowned musician Tansen, Jai Vilas Palace, the museum and the Sun temple. The weather during January is pleasant during the daytime and nights are cold.

Our University

Jiwaji University came into existence on May 23, 1964, through M.P. government Ordinance number 15 of 1963. The foundation was laid on the campus of over 225 acres of Naulakha Parade Ground by the then President of India Dr. Sarvapalli Radhakrishnan on December 11, 1964. The University's territorial jurisdiction extends over the districts of Gwalior, Bhind, Morena, Sheopurkalan, Datia, Ashok Nagar, Shivpuri, and Guna and covers more than 400 affiliated Colleges. The University has been awarded "A" grade in its 2nd cycle of assessment and reaccreditation by NAAC.

About the Department

The School of Studies in Chemistry, Jiwaji University, Gwalior, came into existence in 1971 as a teaching and research center. Over a period of time, it has acquired prestigious status at the National and International levels. The department has been recognized as DST-

FIST sponsored during 2002-2007 with a major grant for advanced instruments. Further, in 2015-16, the MHRD, Govt. of India approved two credit courses on X-ray Crystal Structure Determination and sanction of funds for implementing Global Initiatives for Academic Networks (GIAN) with foreign faculty Prof. Ray J Butcher, Howard University, USA. Presently, the department has been recognized as a Centre of Excellence by the Higher Education Department, Govt. of Madhya Pradesh under the MPHE QIP programme with the World Bank during 2020-22. The United States-India Educational Foundation (USIEF) has selected the Chemistry Department's application to host a US Expert in the specialized area of Chemistry Education under the Fulbright-Nehru Specialist Program on September 10, 2020. Due to Covid-19, the grant has been extended till July 2021. The department has a good number of publications with high impact factors in international journals. The department has brought in many projects from National Funding Agencies (DST, CSIR, UGC, DRDO, DAE, MoEF, MPCST), including International Agencies, RSC, UK. Most of the faculty members of the department have received national and international recognition, such as Fulbright-Nehru Fellowship, Commonwealth Fellowship, JWT Jones Fellowship, Monbusho Fellowship, CNRS Fellowship, etc. They have got overseas research experience also. Currently, the department has three good Potentiostatic/Galvanostatic, two UV-Visible spectrophotometers, and one FT IR instrument. Under the CoE grant, the department is in the process of procuring a Single Crystal X-ray Diffractometer and Benchtop NMR Spectrometer. The Department has the following thrust area of research: Synthesis and structural Coordination and Organometallic Chemistry, Bioinorganic Chemistry, X-ray Crystallography, multi-component synthesis of heterocyclic compounds, chemotherapeutics, Zeolites, Catalysis, and electrochemistry. These thrust areas have been well supported by significant research projects, a good number of publications and patents.

Theme of Conference

For NCETMC-2023, we have a programme covering materials chemistry in all its breadth and diversity. There are four main themes listed below. Plenary lectures will highlight advances across the themes and keynote speakers will describe leading work within each theme.

While NCETMC-2023 is organised into these four broad themes, we acknowledge that materials chemistry is a multidisciplinary field and some topics may fall into more than one theme. Abstracts are welcomed in all areas of materials chemistry – when submitting your abstract please choose the theme most relevant to you.

Approaches to design and development of material

Materials chemistry critical to the design and development of foundation industries, evolving properties and sustainable processes.

Futuristic Materials

Materials chemistry relating to responsive / 'smart' systems, inorganic materials, Organometallic and Coordination compounds for electronic and magnetic materials, new magneto-, optics, nano structures and polymers etc.

Materials for Energy

Materials chemistry related to energy generation, conversion and storage Li-ion batteries and beyond (Li-metal anodes, solid-state, Na-ion...); emerging solar cell technologies, photo/ electrocatalysis and solar fuel generation, fuel cells, solar and thermoelectrics.

Materials for Life

Materials chemistry related to biological or medical applications, biomimetic and bioinspired materials, new 'biohybrid' systems, bio-organic/inorganic, sustainable / green chemistry.

Broad areas of the Conference

- Materials for energy generation and energy storage
- Coordination and Organometallic Chemistry
- Biomimetic and Bioinspired Materials
- Green Chemistry
- Electronic Materials
- Polymeric Materials
- Nanomaterials

Call for Abstract

The submission of abstracts detailing multidisciplinary research performed at the interface of chemistry and other scientific fields of inquiry such as biology, materials science, nanotechnology, and physics is also encouraged, where the central theme of the work — and the major advances that are reported fall within the bounds of chemistry. Original research papers are invited from the participants for oral/poster presentation. The delegate is required to submit the abstract document while filling out the Conference registration form at the