



Amrut Sevabhavi Sanstha, Parbhani

Late Ku. Durga K. Banmeru Science College, Lonar

In Association with

Analytical Chemistry Teachers and Research Association (ACTRA)

Chh. Sambhajinagar

&

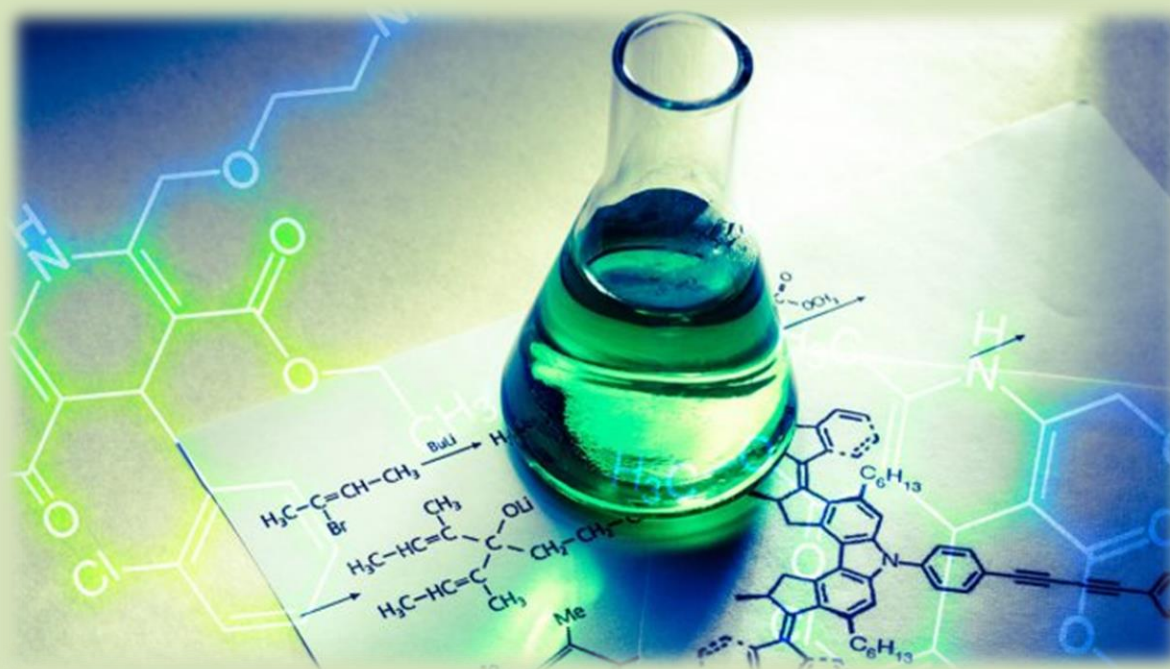
Amravati University Chemistry Teacher's Association (AUCTA)

Organizing **National Level Conference and 18th Annual Convention of ACTRA**

National conference on

Chemistry- Innovations, Applications and Sustainability

Saturday, 7th December 2024



Organized by

Department of Chemistry

Late Ku. Durga K. Banmeru Science College, Lonar,

Dist. Buldana-443302 (M.S)

NAAC Re-accredited with B⁺⁺ grade (CGPA 2.88)

Website: lkdkbanmerucollege.ac.in

NCCIAS-2024

About Conference:

The National Education Policy 2020 strongly recommends that research in science education be promoted to develop scientific temper. One of the objectives of NEP 2020 is to foster inventiveness and creativity alongside competence. This conference focuses on high-level discussions about various interesting aspects of chemistry. This one-of-a-kind event will cover different topics within the field of chemistry. The conference will bring together renowned scientists, professionals, academicians, students, and knowledgeable individuals from many sectors of chemistry. We will gain insight into the most recent themes, innovations, and applications through in-depth conversations with subject experts. The NEP 2020 aims to provide a holistic and flexible learning experience for students by minimizing outdated curriculum content and focusing on 21st-century skills such as analytical and critical thinking, experiential learning, and creativity. Keeping these objectives in mind, the Late Ku. Durga K. Banmeru Science College, Lonar along with ACTRA and AUCTA, provides a platform for industrialists, researchers, professors, and postgraduate students to share their knowledge and upgrade their skills. This conference aims to inspire young scientists to conduct more research on the Lonar Crater, as it is a scientific treasure for researchers.

About the College:

Late Ku. Durga K. Banmeru Science College was established in June 2000 with the aim of providing education in science for rural and marginalized students at the graduate and postgraduate levels. It has a beautiful campus of 6.5 acres with adequate infrastructure. Since its establishment, the college has been committed to providing support and motivation to rural and marginalized students, especially girls, to pursue higher education for their holistic development. Students are encouraged to participate in various curricular and extracurricular activities at the college and at the inter-collegiate level. The objectives and outcomes of these activities aim to enable needy students to enhance their educational qualifications, become self-reliant, and develop leadership qualities. Due to the socially committed and ethically profound management of the college, a positive academic environment is fostered on the campus. The college has been accredited by NAAC with a “B++” grade (CGPA 2.88) at the second cycle of assessment. The Amrut Sevabhavi Sanstha Parbhani was founded by Hon’ble Dr. Prakash K. Banmeru to provide education to economically and educationally backward communities. Research and development activities are conducted in various departments of the college regularly. The college offers programs in B.Sc., M.Sc. in Computer Science, Chemistry, Botany, Zoology, B.Voc. (Tourism & Hospitality Management), and diploma/certificate courses in Quantitative Aptitude, Freshwater Fish Culture, Astronomy, Herbal Medicine, and Economic Zoology. The college has a good tradition of maintaining positive outcomes. The computerized administrative section is always available to assist students. Our aim is to provide quality education to our students from rural areas, as the college is surrounded by rural and tribal communities. We are running many career-oriented programs and courses on campus. Our college has organized the “Lonar Science Festival” for the last six years to create awareness and promote the conservation of the Lonar Crater.

About Chemistry Department:

The Chemistry Department was established in 2000 with the establishment of the college. Initially, it was an undergraduate department with a student strength of about 250. The postgraduate program was established this year, with a current student strength of 20. This is the first national conference organized by the department. Every year, the department organizes student-centric activities such as poster presentations, quiz competitions, the establishment of a Chemical Society, guest lectures, and group discussions. The department has three well-qualified and motivated permanent faculty members. The lab is well equipped with research-grade chemicals, and the department has MOUs with different colleges and industries. Additionally, the department has started a short-term “Industrial Chemistry” certificate course, which is designed by the college and approved by the university. Every year, departmental students visit various industries for short tours.

About the Lonar Crater

The Lonar Crater, located in Lonar, Buldana district (M.S.), India, is a unique and mysterious natural wonder. It is the only known saline crater in the world, formed by the impact of a meteorite about 50,000 years ago. Its water is actually seven times saltier than seawater. The lake has a diameter of 1.2 km and a depth of 150 meters. One of the most striking aspects is its color, which changes from green to pink depending on the seasons and water conditions. The Lonar Lake has been declared a “Wildlife Sanctuary” for conservation purposes and has also been designated as Maharashtra’s second Ramsar site. Ramsar sites are wetlands of international importance under the Ramsar Convention. There are temples built around 1,250 years ago, with fifteen temples in total. The crater water turns pink due to the large presence of salt-loving *Haloarchaea* microbes. The chemical characteristics of the lake show two distinct regions that do not mix: an outer neutral zone (pH 7) and an inner alkaline zone (pH 11), each with its own flora and fauna. The lake is a haven for a wide range of medicinal plant and animal life, hosting 160 bird species, 46 reptile species, and 12 mammal species. The lake is also home to thousands of peafowls, chinkaras, and gazelles. An area of 3.83 km² (1.48 sq. mi) has been declared as the Lonar Wildlife Sanctuary.

Sub-Themes of Conference

- **Advances in Green Chemistry**
- **Advances in an Analytical Chemistry**
- **Recent development in Nanotechnology and Material Science**
- **Organic and Inorganic Chemistry.**
- **Chemistry of Natural Product**
- **Bio-inorganic Chemistry**
- **Environmental Chemistry**
- **Medicinal and Pharmaceutical Chemistry**
- **Polymer Chemistry**
- **Environmental Chemistry**
- **Forensic Chemistry**
- **Organo-metallic Chemistry**
- **Co-ordination Chemistry**
- **Computational Chemistry**
- **Fundamental and Advanced Bio-Chemistry**

Abstract Submission:

Abstracts of original and unpublished work in the thrust areas/sub-themes of the conference are invited for oral and poster presentations. The abstract of the research paper should not exceed 300 words. For English please use MS Word with the following formatting specifications: the title should be in font size-14 the author(s) in font size-12, the affiliation and email in font size-10, and the abstract itself in font size-12, with line spacing set to 1.5. Abstracts should be submitted online along with the registration fee receipt, which should be labeled with the participant's name. Only abstracts from registered candidates will be considered for presentation. Please indicate your choice of presentation format (oral or poster). A participant may present a maximum of one paper.

Abstracts should be sent to the following email address: nccias2024@gmail.com.

Research Paper Submission:

Authors may submit full-length research papers of original and unpublished work in the thrust areas/sub-themes of the conference for publication. The research paper should not exceed 2,500 words. Please insert tables and figures into the text wherever necessary. The margin should be set to 1.5 inches on the left side and 1 inch on the other three sides. Follow the American Psychological Association (APA) 2009 style for references. Research papers received will be reviewed by a review committee, and selected papers will be published in a peer-reviewed, reputable journal indexed with Cross Ref and Google Scholar.

The full-length research paper should be sent on - Email ID: nccias2024@gmail.com

Oral and Poster Presentation:

Eight minutes will be given to each presenter for the presentation of his / her research work. The speakers should bring their presentations in both MS Power Point and PDF formats in a USB drive. Standard audio-visual equipment and presentation facility will be provided. A space of 1 x 1 meter size will be provided to poster presenter for display of each poster.

Awards:

Best Oral and Poster Presentation Awards will be given with the intention of recognizing one's contribution to the field and encouraging more active participation for betterment of the research fraternity as a whole.

Important Dates: (Last Date)

Registration : 2nd December 2024
Abstract Submission : 2nd December 2024
Full Length Paper Submission : 4th December 2024

Registration Fees Details

Categories	Early Registration (Before 02 th December	Spot Registration (7 th December)
Delegates/ Faculty Members only participation	Rs. 700/-	Rs. 800/-
Industry Person/ Faculty Members for Publication*	Rs.1200/-	Rs.1400/-
Research Scholars/PG Student	Rs.500/-	Rs.600/-

Registration fee is to be paid either by online mode or cash payment in favour of "Late Ku. Durga K. Banmeru Science College Lonar". It includes conference kit, lunch, refreshment and publication charges*.

Last Date of Registration : 2nd December 2024 up to 5.00 PM

Bank Name : State Bank of India
A/C Name : Ku. Durga K. Banmeru Science College
Branch : Lonar
Account No. : 11243791027
IFSC Code : SBIN0002160

Registration link : <https://forms.gle/AADpGx9FKHRcvPhy7>

Join Whats app Group : <https://chat.whatsapp.com/JD5gYv86ScqJpIiKRuwLt9>

Speakers in the conference



Dr. Mazahar Farooqui
Principal, Maulana Azad College,
Chh. Sambhajinagar



Dr. Santosh K. Haram
Professor, Department of Chemistry
Savitribai Phule Pune University, Pune.



Dr. Vijay H. Masand
Professor in Chemistry, Vidya Bharati
Mahavidyalay, Amravati

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College, Lonar



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Principal, Research investigator, Boicon Med Chem Bengaluru.

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Head of Department Computer Science
- **Miss. Nishigandha Khule**
Head of Department Microbiology.
- **Dr. Mangesh Thombal**
Physical Director.

How to Reach Lonar:

- 1) **By Air:**The airport Chh. Sambhaji Nagar is 140 km away, Shri Guru Gobind Singh Ji Airport, Nanded.
- 2) **By Train:**The nearest railway station is Partur, Jalna, Akola, Shegaon, Washim, Nandura.
- 3) **By Road:**Regular state transport buses are available from the bus station of Maharashtra State Road transport Corporation.

Accommodation

For Accommodation kindly contact on

- 1) **MTDC Lonar:** For Online Booking (Web. Site- www.mtdc.co) Mob. 7276736763
- 2) **Hotel Vikrant:** Mob. 9614972222
- 3) **Krushna Lodge:** Mob. 9595723237
- 4) **Gitam Lodge:** Mob. 8888188505



Maa Kamalaja Mata



Lonar Tourism

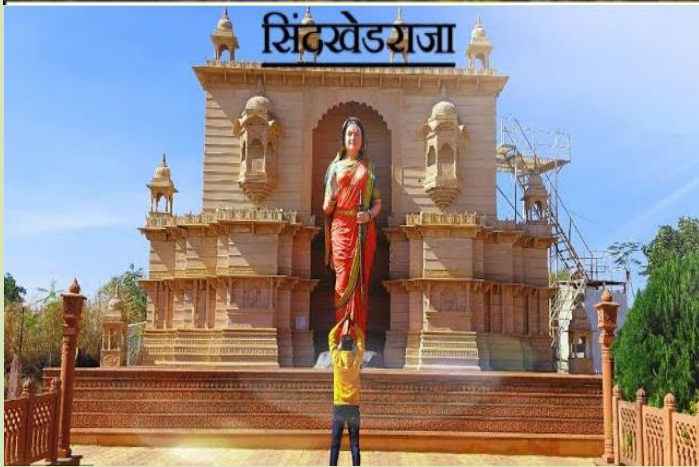
Daiytasudam Temple



Lonar Dhar Thirth



3rd Largest Lonar Crater In The World



MaasahebJijau Birth Place Sindkhed Raja



Gajanan Maharaj Temple Shegaon.

Further Contact Details

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Dr. Kishor N. Puri, Organizing Secretary
Dr. Prakash K. Banmeru, Principal

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