



विज्ञान एवं प्रौद्योगिकी विभाग  
DEPARTMENT OF  
**SCIENCE & TECHNOLOGY**



**AMITY**  
UNIVERSITY  
— RAJASTHAN —



# INDUSTRY ACADEMIA CONCLAVE -2024

Sponsored by PURSE Programme of  
Department of Science and Technology (DST),  
Government of India



15<sup>th</sup> March 2024

Organized by  
Internal Quality Assurance Cell (IQAC)

## Chief Patrons



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Founder President,  
Amity Education Group



**Dr. Aseem Chauhan**  
Chancellor,  
Amity University Rajasthan

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Vice Chancellor,  
AUR



**Prof. G.K. Aseri**  
Pro Vice Chancellor,  
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**Prof. S.L. Kothari**  
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## Amity University Rajasthan

Welcome to the world of Amity University Rajasthan, Jaipur (NAAC A+) where knowledge, discipline and recreation come together! The centre of learning set amidst lush green valley is a treat for the eyes and the mind as well. Amity University Rajasthan (AUR) has been established by the Act of the State Legislature, passed on March 29, 2008, under the patronage of Ritnand Balved Education Foundation, a registered, non-profit society. AUR is recognised by UGC under Section 2 (f) and empowered to award degrees under section 22. Amity University Rajasthan has a beautiful eco-friendly green campus spread over 152 acres of landmass. The University takes pride in its state-of-art infrastructure facilities which has been scientifically and aesthetically designed for optimal use of the natural resources.



# About the Conclave

## Genesis

The present era is of research, innovation, entrepreneurship, skill development and industrialization towards creating a sustainable planet. The progress in this period can be ensured by creating healthy integration of industries with academia.

Industry-Academia integration is a platform where the industries will share their experiences & deliberate upon the forthcoming avenues and at the same time the students & scholars at the universities will get a real time experience, thus motivating them to get involved in solving the industrial, social, and economic issues. The energy of youth, experience of researchers and industrialists will make an efficient combination to cater the issues of forthcoming problems and bring in the new inventions to create a better life.

AUR owes Industry-Academia integration as a best practice ensuring the holistic development of the students by giving them wider exposure to industries. The University offers 69 industry-oriented programmes with a well-developed curriculum in consultation with the industry experts and inputs of academic peers, taking into consideration the current demands of industries, thus ensuring that the graduates are industry-ready professionals.

The University has Industry Advisory Council (IAC) for every department constituting domain-specific industry members. The experts from industries give their inputs in improving curriculum and developing new programs to get industry ready graduates. The University also has Innovation incubator to incubate the budding ideas of the young brains. The University has a team of scientists who are having expertise in different fields, thus effectively utilising the state of art infrastructure and research facilities. The scholarly and innovative environment, along with enthusiastic and energetic students is creating a conducive environment to take up industrial challenges.

## Objectives

- To discuss industrial processes and initiate R&D to address their problems
- To review ongoing R&D associated with Industrial Demands
- To identify diversified needs and their forthcoming requirements

## Panel Discussion

- Role of industry and academia in creating start up ecosystem
- Establish industrial R&D setups in academia: Prospects and Challenges



To Know More About  
AUR

## Our Strength

- Amity Education Group has 12 Universities in India and 17 International campuses in USA, London, Dubai, Singapore etc.
- The University has recently established a state of art laboratory to initiate need-based R&D for industries, with a grant from DST PURSE.
- Amity Institute of Biotechnology and Amity Institute of Microbial Technology have been awarded with FIST Grants by Department of Science and Technology, Government of India.
- The University is having 96 well equipped laboratories, central facility with high end equipments and 6 research centers
- The University has well established Entrepreneurship Cell and Innovation Incubator.
- Received research projects funded by ICMR, DET, DST, SERB, ISRO, DRDO, DST GOR, MOFPI, Min. of Agriculture GOI, Genomix USA, Biome Tech, Unati Cooperative etc.

## Major Equipment and Facilities

- Field Emission Scanning Electron Microscope
- GC-MSMS and FACS
- Spectrofluorometer
- Fully automated Rapid card printing machine
- FTIR and Real time PCR
- Walk in chambers
- HPLC
- Multimedia Audiovisual Production Facility
- Co working space and pool of expertise
- Inductively Coupled Plasma Mass Spectroscopy
- CD Spectrophotometer and Acta FPLC
- Particle Size and Zeta Potential Analyzer
- Portable aerosol Spectrometer
- Fluorescence Microscope
- Pilot scale bioreactor
- Freeze Drier
- CNC and Process Control Lab
- Moot Court
- Design Studio







Cold Centrifuge



Kitchen



Studio



Fermenter



GC-MS



Moot Court



HPLC



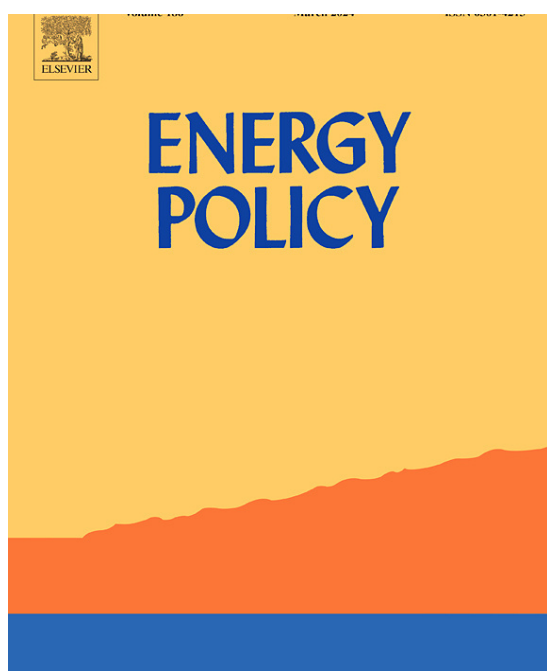
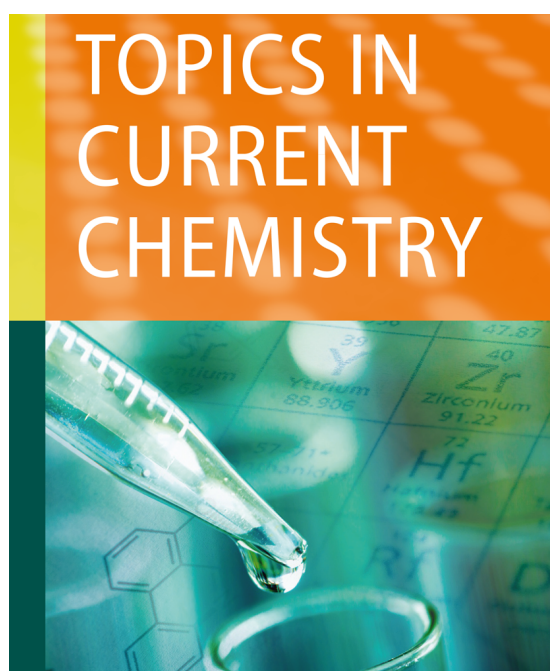
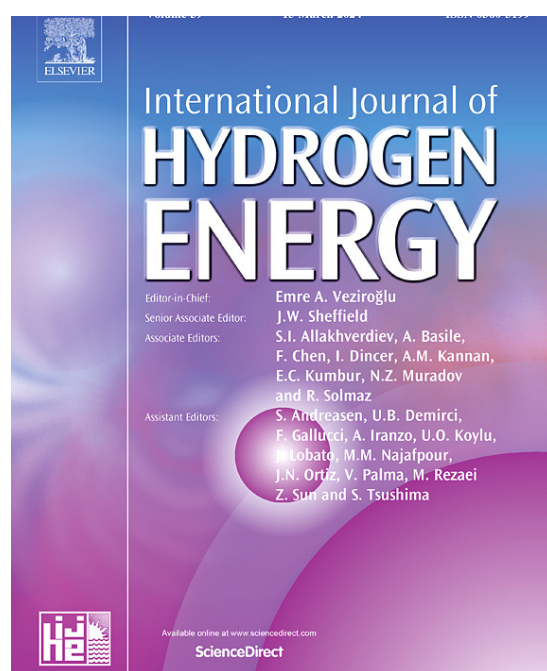
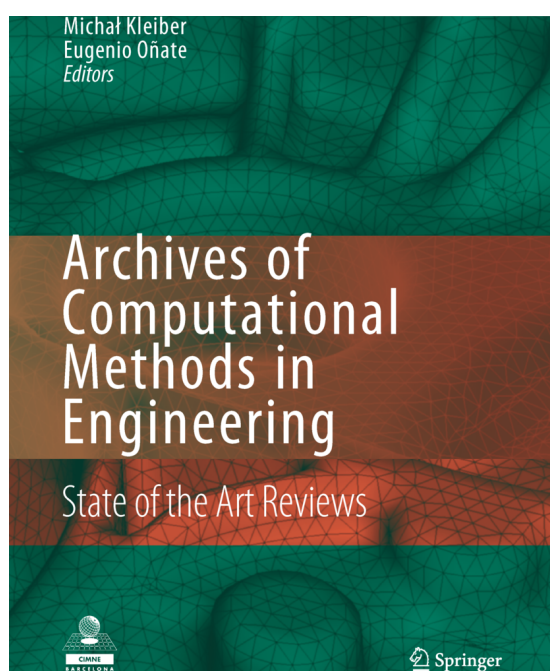
Microscope



# Programme Outline

- Welcome followed by lunch
- Inaugural Ceremony
- Panel Discussion
- Hi-Tea
- Visit to the key facilities
- Domain specific discussions
- Networking Dinner at Hotel Double Tree by Hilton, Amer

37	Funded Research Projects
37	Patent Published
770	Books and Chapter Published
1950+	Research Papers



Scopus h-index -57

Scopus Citations-29319



## Associated Industries



Shree BioCare Pvt. Ltd.



NABARD Bank



Biocon Academy



Biome Tech. Ltd.



Mankind



Pine Biotech.



TechieNest Pvt. Ltd



Fermex



YES Bank



M R Morarka Foundation



Amol Pharma



BVK Group



Dr. B Lal Clinical Lab Pvt. Ltd



Sunbills Future Energies Pvt. Ltd



SkewB Analytics



Frolic Health Tech. Pvt. Ltd



Pratham Software



Infosys Jaipur



PHD Chamber of Commerce & Industries



Software Tech. Parks of India



Avorau



Taneria



Borosil



Zydus



CBC Cyber Security



Jubicant



Le Meridien Hotel



Taj Hotels



The Leela Palace



Double Tree - Hilton



GAIL India Ltd.



Lotus Dairy products Pvt. Ltd



NIAM - Nat. Ins. Agri. Management



Sopra Overseas



Gaukriti

## Key Research Areas

- Environmental Mitigations
- Nano - Biotechnology
- Zoonotic Diseases & Diagnostics
- Functional Foods, Nutraceuticals & Biosurfactants
- Soil Fertility & Microbial Mitigations
- Business Laws
- Design
- Drug Design & Delivery
- Software & Plastic Engineering
- Cyber Security & Data Engineering
- Polymer Composite
- Agri Business Management
- Rural Management
- Hotel Management



# Glimpses of Previous Conclave



Vice Chancellor 's opening remarks



Panel Discussion



Industry Insights



Visit to facilities



Domain specific discussions



Experts in one frame

## Address

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