



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



AMITY
UNIVERSITY
—RAJASTHAN—

INDUSTRY ACADEMIA CONCLAVE - 2023

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



17th March 2023

Organized by
Internal Quality Assurance Cell (IQAC)

CHIEF PATRONS



Dr. Ashok K. Chauhan
Founder President,
Amity Education Group



Dr. Aseem Chauhan
Chairperson/Chancellor
Amity University Rajasthan

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President/ Vice Chancellor
Amity University Rajasthan



Prof. G.K. Aseri
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Vice President, ASTIF
Amity University Rajasthan

ORGANIZING SECRETARIES



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Deputy Director,
Amity innovation incubator



Dr. Sushil Kumar
Associate Professor,
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Dr. Vinod Singh Gour
Associate Professor,
Amity Institute of
Biotechnology



Mr. Anuj Arora
Deputy Registrar,
Internal Quality Assurance
Cell



Prof. Neelam Jain
Secretary IAC,
Amity Institute of Biotechnology

Amity University Rajasthan

Welcome to the world of Amity University Rajasthan, Jaipur (AUR) 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. 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 infrastructural facilities which have 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.

Amity University Rajasthan, Jaipur 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 64 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 issues.

OBJECTIVES:

- To discuss and identify gaps and challenges in industry-academia collaborations
- To gain in depth knowledge of the industry requirements and to initiate joint R&D activities
- To introduce and upgrade university programmes to produce industry ready professionals

THEME FOR PANEL DISCUSSION

- Gaps and Challenges in Industry-Academia Collaborations
- Role of Industry in strengthening Research and Innovation at Academic Institutions
- Ecosystem and Policy imperatives for Industry-Academia Collaborations

OUR STRENGTH

- Amity Education Group has 12 universities in India and 17 International campuses in USA, London, Dubai, Singapore etc.
- Amity University Rajasthan, Jaipur is a research and innovation driven university and has recently been awarded the most prestigious DST PURSE - Promotion of University Research and Scientific Excellence Grant of Rs. 8.5 Crore by Government of India.
- 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 and central facility with high end equipments.
- The University has established an Entrepreneurship Cell and Innovation Incubator.
- The University has received research projects funded by ICMR, DBT, DST, SERB, ISRO, DRDO, DST GoR, MoFPI, Min. of Agriculture GOI, Genomix USA, Biome Tech, Unati Cooperative etc.

MAJOR FACILITIES

- Field Emission Scanning Electron Microscope*
- GCMSMS*
- FACS*
- Spectrofluorometer*
- Fully automated Rapid card printing machine*
- FTIR
- Real time PCR
- Walk in chambers (Cold Room)
- HPLC
- Inductively Coupled Plasma Mass Spectroscopy
- CD Spectrophotometer*
- Acta FPLC
- Particle Size and Zeta Potential Analyzer*
- Portable aerosol Spectrometer Grimm portable Aerosol spectrometer*
- Plant Growth Chamber
- Fluorescence Microscope
- Industrial bio-fermenter
- Freeze Drier



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जैव प्रौद्योगिकी विभाग
Department of Biotechnology
Ministry of Science & Technology
Government of India



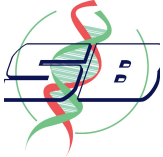
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MINISTRY OF FOOD PROCESSING INDUSTRIES
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PARTICIPATING INDUSTRIES



Shree BioCare Pvt. Ltd.



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Biome Tech. Ltd.



Mahindra World City - SEZ



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



Avoraus



Samyak IT Capital Solutions Pvt. Ltd



Gravita India



Indana Palace



CIPET



Sequoia Insilico Pvt. Ltd



Le Meridien Hotel



Bijson Innovations



The Leela Palace



Double Tree - Hilton



GAIL India Ltd.



Lotus Dairy products Pvt. Ltd

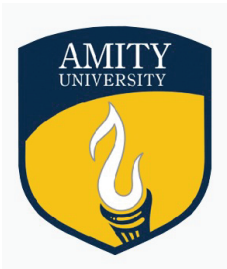


NIAM - Nat. Ins. Agri. Management

KEY RESEARCH AREA

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





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Five Year Research and Project Data

29 Funded Research Projects

32 Patents Published

770 Books & Chapters Published

1615 Research Papers

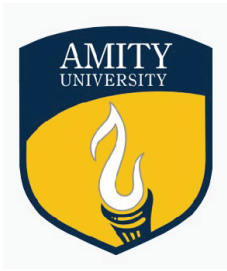
THE LANCET



2019 novel coronavirus: early lessons

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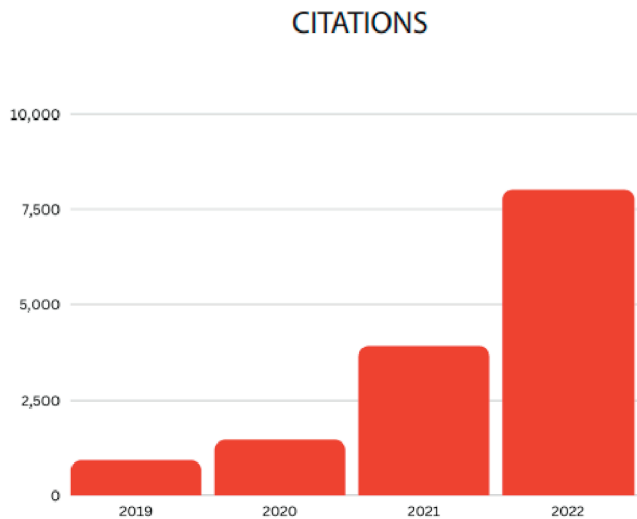


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Citation Profile of AUR

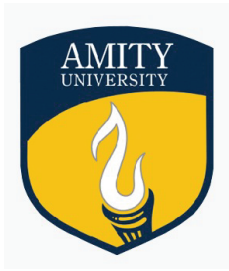
Citations Details



Scopus h-index - 45

Total Scopus Citations - 16586

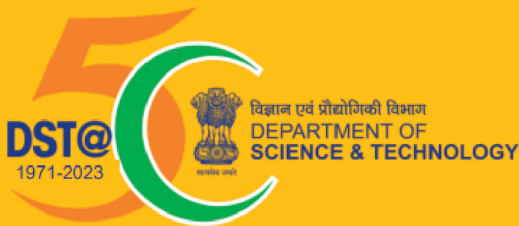




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Prestigious Research Grants Received



Project Title: Promotion of University Research and Scientific Excellence (PURSE 2021)

Funding Agency: Department of Science & Technology (Govt. of India)

Sanctioned Amount: 8.5 crores

Sanctioned date: 31.01.2022

Duration: 4 years



**Amity Institute of Microbial Technology
&
Amity Institute of Biotechnology**

Glimpses of Industry Academia Conclave



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