

2025

INTERNATIONAL BIOMANUFACTURING SUMMIT

ORGANISING BODIES

GLOBAL MINDS, LOCAL IMPACT

Northeast India Scientific & Entrepreneurial Diaspora (NEISED) is proud to host the **International Biomanufacturing Summit 2025** on **January 10th and 11th, 2025**, at **Gauhati University, Guwahati, Assam**. The summit aims to unite industry leaders, academic professionals, government officials, entrepreneurs, researchers, and students on a single platform to explore the vast potential of **Biomanufacturing in Northeast India** and address the region's unique challenges. Key discussions will focus on strategies to bridge gaps hindering biomanufacturing progress in Northeast India. Experts from various sectors will deliberate on actionable solutions, fostering collaboration and promoting pathways for sustainable growth. Additionally, the summit will provide research scholars and students exposure to international collaborations, inspiring them to contribute to the bioeconomy for self-reliance and livelihood generation. By highlighting opportunities for startups, the event seeks to drive the establishment of biomanufacturing units across the region, propelling Northeast India into a hub of biomanufacturing innovation.



BIO-AGRI BIO-ENERGY

BIO-PHARMA BIO-ENVIRONMENT

2025 | 10 - 11 JANUARY
GAUHATI UNIVERSITY, ASSAM

For registrations and further inquiries, please contact: info@neised.com

2025



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INTERNATIONAL BIOMANUFACTURING SUMMIT



WHY JOIN THE SUMMIT?

The **International Biomanufacturing Summit 2025** will serve as a premier platform to exchange knowledge among scientists and industry leaders, deliberating on global innovations in biomanufacturing technologies. Leaders from manufacturing industries will engage in critical discussions to address current opportunities and challenges in the field, aiming to attract investments, stimulate economic growth, and generate job opportunities in Northeast India. The summit will also provide a platform for discussing regulatory challenges and policy frameworks to ensure innovations are safely and effectively commercialized and intelligently integrated into the market.



**EMPOWERING A SUSTAINABLE
BIOECONOMY THROUGH
BIOMANUFACTURING**

BIO-AGRI **BIO-ENERGY**

BIO-PHARMA **BIO-ENVIRONMENT**

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OVERVIEW

OBJECTIVES

- **Promote Regional Economic and Social Development:** The biomanufacturing sector holds immense potential for Northeast India, offering opportunities for high-value jobs, rural development, and sustainable industrial practices. By addressing the region's unique needs, such as access to raw materials, workforce skills, and infrastructure, the summit will help lay the groundwork for establishing successful biomanufacturing operations, which can catalyze long-term regional economic growth.
- **Prepare STEM Students for Industry Careers:** A key highlight of the summit will be its emphasis on providing STEM students from Northeast India with valuable industry exposure. Through gaining insights and practical knowledge from industry leaders, students will be better equipped to pursue careers in biomanufacturing, helping to cultivate a skilled workforce for the sector's future growth.
- **Mentorship and Networking Opportunities:** The summit will facilitate mentoring opportunities for emerging entrepreneurs, researchers, and students. A strong focus will be placed on establishing sustainable networks and long-term mentorship for attendees to encourage continued collaboration post-summit.

KEY ACTIVITIES

- **Panel Discussions and Presentations:** Leading industry experts and successful entrepreneurs will share insights on biomanufacturing trends, investment opportunities, and the practicalities of setting up small startups in the Northeast.
- **Industry Exhibits and Start-up Showcases:** The summit will provide a platform for regional biomanufacturing startups to showcase their innovations, products, and technologies to potential investors, partners, and industry leaders.
- **Investors Interactions Session:** The summit will feature a range of government and private investors, including banks and funding agencies who will present their offerings and investment objectives. This session will provide participants with an opportunity to build valuable partnerships, exchange experiences, and explore collaborative ventures that can drive industry growth.

EXPECTED OUTCOMES

- **Development of a Biomanufacturing Ecosystem:** The summit will serve as a steppingstone for the establishment of a biomanufacturing ecosystem in Northeast India, addressing regional challenges and paving the way for sustainable industry growth.
- **Skilled Workforce for the Future:** By engaging students in hands-on learning and providing direct exposure to industry leaders, the summit will help develop a skilled workforce ready to contribute to the biomanufacturing sector.

This Biomanufacturing Summit will create a powerful platform for dialogue and collaboration, that will drive the growth of the biomanufacturing sector in Northeast India. By addressing both the strategic and technical challenges associated with setting up this industry, we aim to help the region unlock its economic potential.

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The **Northeast India Scientific and Entrepreneurial Diaspora (NEISED)** is a non-profit professional scientific forum committed to advancing research, development, and promotion of life sciences within the Northeast Indian diaspora through a connected web of scientists, leaders, industry experts, scholars, and students. NEISED promotes commercialization and entrepreneurial aspects of biological innovations, while shedding light on cultural preservation to ensure continuous scientific development of our region.

VISION

We aspire to transform Northeast India into a powerhouse of biotechnology innovation, fostering a thriving environment for biotech startups and nationally recognized companies. Our goal is to rank Northeast India among the top three regions in the country for launching biotech ventures. We envision a future where everyone can actively contribute their skills and knowledge regardless of location to build a prosperous, inclusive, and sustainable society.

MISSION

We seek to establish an ecosystem that provides access to expert partners and mentorship to encourage entrepreneurship. We plan to collaborate closely with entrepreneurs, offering guidance on securing non-dilutive funding from government sources. Additionally, we aim to work with policymakers to stay informed about industry trends and implement changes that foster an environment conducive to rapid growth.

**BRIDGING SCIENCE AND INDUSTRY FOR
BIOMANUFACTURING EXCELLENCE**

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THE VENUE

Gauhati University is one of the premier institutions of higher education in northeast India. Incorporated by an Act of 1947, the university started functioning on 26 January, 1948 as an affiliating, teaching, and residential university with renowned scholar K.K. Handique as the first Vice-Chancellor. It is a NAAC A+ institution. Starting with 18 affiliated colleges and 8 post graduate departments in 1948, Gauhati University has 45 post graduate departments, besides IDOL (Institute of Distance and Open Learning), GUIST (Gauhati University Institute of Science and Technology), and a constituent Law College. It has more than 300 affiliated colleges offering undergraduate and postgraduate courses in the faculty of arts, science, commerce, law, technology, and engineering. Being the **oldest and the largest university in the entire northeast**, the university represents the academic and cultural background of the region.

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THE CITY

Guwahati, the largest city in the Indian state of Assam, is a vibrant cultural and economic hub nestled along the banks of the river Brahmaputra. Known as the **'Gateway to Northeast India'**, it is famous for its rich history, ancient temples like the Kamakhya Temple, and bustling markets. Guwahati serves as a key center for education, commerce, and tourism in the region, blending traditional Assamese culture with modern urban development. The city's natural beauty characterized by nearby hills and rivers, adds to its unique charm. In January, Guwahati experiences mild and pleasant weather. The average daytime temperatures typically range from 14°C to 26°C, making it a comfortable time for outdoor activities and sightseeing. Nights can be cooler, occasionally dropping to around 12°C.

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INTERNATIONAL BIOMANUFACTURING SUMMIT 2025 | 10-11 JANUARY | GAUHATI UNIVERSITY

SUMMIT THEME: BIOMANUFACTURING

According to Data Bridge Market Research, the global **Biomanufacturing** market was valued at **\$24.3 billion in 2023** and is expected to grow to **\$51.37 billion by 2031**, registering a **CAGR of 9.85%** during the forecast period from 2024 to 2031. Biomanufacturing involves the use of biological systems to create complex biomolecules and materials for commercial purposes. This broadly includes the production of **medicines such as monoclonal antibodies, proteins, or enzymes like insulin, food & beverages, and industrial applications.**

The **International Biomanufacturing Summit 2025** will primarily focus on the biomanufacturing of medicines. The summit aims to bring together scientists and entrepreneurs, offering insights into current trends, strategies, opportunities to engage with policymakers, and a chance to explore the potential and challenges of Northeast India as an emerging biomanufacturing hub.

OTHER THEMES IN THE CONFERENCES:

BIO-AGRI

While representing a forward-thinking approach to farming that aligns with the principles of sustainability and ecological balance, **Bio-Agriculture** is an intimate investment in the right direction, significantly when the returns contribute to a healthier planet with high-quality, nutritious food for both present and future generations.

BIO-ENERGY

Bio-Energy is a low-carbon renewable energy source that can replace carbon-intensive fossil fuels. When combined with carbon capture technology, bioenergy can potentially remove carbon dioxide from the atmosphere, which is essential for future climate-friendly energy systems.

BIO-PHARMA

Bio-pharma is the next big thing in the healthcare business. The terrific growth of **biopharmaceuticals** is underpinned by innovations in biotechnology and personalized medicine, which are revolutionizing treatment options for various diseases.

BIO-ENVIRONMENT

Bio-environment, typically referring to the environment as it relates to living organisms, encompasses the vivid interactions between living organisms such as plants, animals, humans, and microorganisms, and their physical surroundings. Bio-environment solely emphasizes the **biological aspects of environmental studies** and how organisms adapt to and affect their habitats.



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EXPERT SPEAKERS



Binoy Bordoloi

CEO,
Bordoloi Biotech, US



Chaitra Harsha

CEO, Edufrontiers
Educational Institutions



Chris Pacheco

VP, Head of Venture
Partnerships
Ginkgo Bioworks, Inc., US



Gautam Das

Co-Founder & CEO,
miBiome Therapeutics



Hemanta Baruah

Founder & CEO,
Aakha Biologics, US



Jesse McCool

Chief Scientific Officer,
Bionova Scientific, US



Kathleen Otto-Rosenblum

CEO, BioNTX, US



Lipika Sahoo

CEO, Lifeintellect
Consultancy Pvt Ltd



Meenakshi Munshi

Former Adviser/Scientist
G, Head HRD & Societal
Program Division, DBT



Michael Torres

Founder & CEO,
CrossBridge Bio, US



Paramananda Saikia

Entrepreneurial Scientist,
MilliporeSigma, US



Rachit Ohri

CEO & Founder,
Enable Life Sciences LLC
& Onkologic Inc., US



Sanjiv Navangul

MD & CEO,
Bharat Serums &
Vaccines Ltd.



Shekhar Mande

Distinguished Professor,
Savitribai Phule Pune
University



Sujiet Puthenveetil

Director. AstraZeneca, US



Viswanadham Duppatla

Vice President,
IKP Knowledge Park

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GAUHATI UNIVERSITY, ASSAM

GENERAL PARTICIPATION



January,
10-11, 2025



Gauhati University

Gopinath Bordoloi Nagar,
Guwahati 781014, Assam, India

CATEGORIES

Bioenergy, Bioagriculture,
Biomanufacturing, Bioengineering,
Process Development, Sustainability,
Product Design and Digital
Innovation, Environmental Impact,
Financial Models in the Bioindustry,
Global Trade of Bioproducts, Supply
Chain Management, and Social
Impact of the Bioindustry



**SCAN TO
REGISTER
FOR
THE
SUMMIT**

PAYMENT DETAILS

NORTHEAST INDIA SCIENTIFIC & ENTREPRENEURIAL
DIASPORA (NEISED)

Bank Name: State Bank of India (SBI)
Account No: 43389905350
Branch Name: Gauhati University Branch (002060)
IFSC CODE: SBIN0002060
MIRC CODE: 781002015

PANEL DISCUSSIONS

POSTER PRESENTATIONS

STARTUP SHOWCASE

INDUSTRY EXHIBITS

INVESTORS INTERACTIVE SESSIONS

REGISTRATION FEE DETAILS

GENERAL PARTICIPATION (WITHOUT ABSTRACT SUBMISSION OR STALL BOOKING)	INR 150
STALL BOOKING	INR 15,000



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STALL**

Drop a mail at info@neised.com for
stall booking - related queries

**CONNECTING THE
WORLD THROUGH
BIOMANUFACTURING
BREAKTHROUGHS**

INTERNATIONAL BIOMANUFACTURING SUMMIT 2025

POSTER PRESENTATION



All interested academicians, researchers, and research scholars are requested to submit their abstract by abiding by the following guidelines.



- The abstract must be written concisely and should not exceed **300 words**.
- All text should be in **Times New Roman** font.
- The title must be formatted in **bold, size 14**, while the names of the authors and their affiliations should be in **italics, size 12**.
- The main content of the abstract should use **size 12 font**.
- Please include **3 to 6 relevant keywords**.
- Authors should be marked using **superscript numbers**.
- Ensure that a **plagiarism check report** is attached with the abstract, with a plagiarism level not exceeding **10%**.
- For any queries, mail us at **biosummit@neised.com**, with a cc to **info@neised.com**.



**SCAN TO
SUBMIT
YOUR
ABSTRACT**

PAYMENT DETAILS

NORTHEAST INDIA SCIENTIFIC & ENTREPRENEURIAL
DIASPORA (NEISED)

Bank Name: State Bank of India (SBI)
Account No: 43389905350
Branch Name: Gauhati University Branch (002060)
IFSC CODE: SBIN0002060
MIRC CODE: 781002015

**January,
10-11, 2025**



Gauhati University

Gopinath Bordoloi Nagar,
Guwahati 781014, Assam, India

IMPORTANT DEADLINES:

*Last Date for Abstract
Submission:*

3rd January, 2025



THE TOP 2 STANDOUT POSTERS WILL EACH EARN A PRIZE OF

₹5000/-

REGISTRATION FEE DETAILS

POST GRADUATE STUDENTS	INR 250
RESEARCH SCHOLARS	INR 250
FACULTY	INR 500
SCIENTISTS	INR 500

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BIOMANUFACTURING BREAKTHROUGHS**

INTERNATIONAL BIOMANUFACTURING SUMMIT 2025

ORGANISING COMMITTEE

CHIEF PATRON: Prof. Nani Gopal Mahanta (Vice Chancellor, Gauhati University)

PATRONS:

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- Prof. Dibakar Chandra Deka, (Vice Chancellor, Mizoram University)
- Prof. Bidyut Chandan Deka, (Vice Chancellor, Assam Agricultural University)
- Dr. Ravi Kota, (Chief Secretary, Govt. of Assam)
- Mr. Loken Das, (Chief General Manager, NABARD)
- Dr. Arun Kumar Sarma, (Director General, NECTAR)
- Prof. Ashis K. Mukherjee, (Director, IASST Guwahati)
- Dr. Arup Kumar Mishra, (Chairman, Pollution Control Board, Assam)
- Dr. Jaideep Baruah, (Director, ASTEC, Guwahati)
- Prof. Jogen Chandra Kalita, (Gauhati University)
- Prof. Bhaben Tanti, (Gauhati University)

CHAIRPERSON: Mr. S K Barua, (CEO, North East Gas Distribution Company Ltd)

CONVENOR: Prof. Narayan Ch. Talukdar, (Vice Chancellor, Assam Down Town University)

ADVISORS:

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- Prof. Sanjib Bhuyan, (Rutgers University)
- Prof. Bharat Baruah, (Kennesaw University)
- Dr. Paramananda Saikia, (MilliporeSigma, Boston)
- Dr. Hemanta Baruah, (Founder & CEO, Aakha Biologics, Texas)
- Dr. Sanjeev Hazarika, Director, (Exiger Technologies, Bangalore)
- Dr. Amrita Kashyap Chaliha, (Chroma Biotech Pvt. Ltd, Dibrugarh, Assam)
- Prof. Manab Deka, (Head, Department of Bioengineering & Technology, Gauhati University)
- Prof. Dandadhar Sarma, (Head, Department of Zoology, Gauhati University)
- Dr. Bula Choudhury, (Guwahati Biotech Park)
- Dr. Bhargab Jyoti Sahariah, (Nemcare Group of Institutions, Mirza)
- Prof. Kumananda Tayung, (Head, Department of Botany, Gauhati University)
- Dr. Sujoy Bose, (Head, Department of Biotechnology, Gauhati University)
- Dr. Thangjam Robert Singh, (Mizoram University)
- Dr. Dibyayan Deb, (Office of the Principal Scientific Adviser to Govt. of India)
- Prof. Jagat Chandra Borah, (NIPER, Guwahati)

CO-CONVENERS AND MEMBERS:

- Prof. Nirala Ramchiary, (JNU, Delhi)
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- Prof. Mojibur R. Khan, (IASST Guwahati)
- Dr. Sofia Banu, (Gauhati University)
- Dr. Pranjan Barman, (Gauhati University)
- Dr. Saurov Mahanta, (NIELIT, Guwahati)
- Dr. Pankaj Barah, (Tezpur University)
- Dr. Rajiv Chandra Dev Goswami, (Guwahati Biotech Park)
- Dr. Dipanjan Kashyap, (Assam Agricultural University, Jorhat)
- Dr. Sanjib Kumar Das, (Nemcare Group of Institutions, Mirza)
- Dr. Kongkana Goswami, (Assam Kaziranga University)
- Dr. Parmeeta Borthakur, (ASTEC, Guwahati)
- Mr. Mriganka Gogoi, (Assam Don Bosco University)
- Dr. Manas Das, (Gauhati University)
- Mrs. Rosy Doley Pegu, (State Bank of India)
- Mr. Rupam Buragohain, (Pragjyotishpur University, Guwahati)
- Dr. Manoj Kumar Deka, (NEMCARE Group of Institutions, Mirza)
- Ms. Vanilla Sharma, (NIELIT, Guwahati)
- Mr. Kuladip Sarma, (Gauhati University)
- Ms. Shradhanjali Sarma, (Corporate Lawyer, Your Virtual Legal Counsel & Regional Director, Women in Tech India)
- Ms. Priyadarshini Deka, (Founder, Study Hub Academy, Guwahati)



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INTERNATIONAL BIO MANUFACTURING SUMMIT

A REVOLUTION IN BIOECONOMY



10-11 JANUARY, 2025
GAUHATI UNIVERSITY

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