

SCOPE OF BLISES 2025

The seminar will cover a wide range of topics related to biotechnology, emphasizing their significant roles in addressing global challenges. The Focus Areas of the BLISES 2025 include:

Omics & Next Generation Sequencing:

The integration of omics with NGS technologies has opened new frontiers in biological research. By enabling comprehensive analyses at unprecedented scales, these technologies facilitate deeper insights into genetic variations and their implications for health and disease. As both fields continue to evolve, they promise to enhance our understanding of complex biological and improve clinical outcomes through precision medicine. systems

Microbiology and Anti Microbial Resistance :

One of the key focus areas of this seminar will be on Antimicrobial resistance which occurs when microorganisms evolve mechanisms that protect them from the effects of antimicrobial agents, such as antibiotics. The World Health Organization (WHO) identifies AMR as one of the top global public health threats, responsible for an estimated 1.27 million deaths directly attributed to bacterial resistance in 2019 alone.

Advances in Cancer Therapy & Diagnosis:

This seminar will explore recent advancements in cancer therapy and diagnosis that have significantly transformed the landscape of cancer care, enhancing early detection, treatment efficacy, and patient outcomes.

Networking Opportunities:

Student attendees will have the chance to connect with subject matter experts , fostering collaborations that could lead to future research initiatives.

OBJECTIVES OF THE SEMINAR

The primary objectives of BLISES 2025 include:

Knowledge Exchange: Providing a platform for participants to share insights, experiences, and research findings in biotechnology and bioengineering.

Research Advancement: Encouraging robust discussions that could lead to advancements in research methodologies and applications within the field.

Innovation Promotion: Highlighting cutting-edge technologies that can address pressing societal issues such as health care, food security, and environmental sustainability.

Educational Opportunities: Offering sessions that educate attendees on new techniques and practices within biotechnology and bioengineering.

CONTACT DETAILS

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Anusandhan National Research Foundation



(ANRF)

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BIOTECHNOLOGY LED INNOVATIONS FOR SOCIETY, ENVIRONMENT & SUSTAINABILITY



(BLISES 2025)

*National Seminar Focusing on Emerging Technological Advancement
Addressing Key Challenges of Human Health Care Management*

4 – 5 March, 2025

Venue: S. N. Bose Auditorium, Haldia Institute of Technology



Organized by

Department of Biotechnology

(Tier 1 NBA Accredited)

Haldia Institute of Technology

(NAAC Accredited Grade 'A' Institute)

[An Autonomous Institute of ICARE]

HIT Campus, ICARE Complex, Haldia, Purba Medinipur - 721657, WB, India

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Prof. [Dr.] Subrata Trivedi, Professor, BT, HIT, Haldia

HALDIA INSTITUTE OF TECHNOLOGY

Haldia Institute of Technology, betterly known as HIT Haldia is an autonomous self-financed, first private engineering institute in West Bengal, India, approved by All India Council for Technical Education (AICTE), New Delhi and affiliated to Maulana Abul Kalam Azad University of Technology (MAKAUT). It is an institution maintained and financed by ICARE, Haldia.

NAAC Accredited Technical Institute with "A" Grade [CGPA-3.31 out of 4], B.Tech. Programs [AEIE, BT, CE, CHE, CSE, ECE, EE, FT, IT and ME] Accredited by National Board of Accreditation (NBA).

Evolved from a nut shell of three Departments with a diminutive ninety students in the year 1996, it has thrived to offer fourteen undergraduate and nine post graduate programme. Along with the infrastructural growth, the quality education, the team work and cultivation in the field of research and development has made the institute epitome of technical education.

Haldia Institute of Technology is dedicated to the objectives of creating highly trained professional manpower in various disciplines of Engineering, Technology and Social Science. The Institute is also dedicated to the contribution of higher scientific research in Technology as well as in Applied Science and Social Science.

OVERVIEW OF THE DEPARTMENT

The Biotechnology [UG, PG] program of Haldia Institute of Technology [HIT] is a AICTE affiliated **NAAC & Tier-1 NBA Accredited** Program - targeting both Higher Research and Biotech Industry focus with highly qualified and committed teaching faculty, young and enthusiastic staff and a pursuit for higher learning. The Faculties cover all the major disciplines of Biotechnology such as Animal and Microbial cell culture & Downstream Processes / Bioinformatics / Microbial & Immuno Technology / Medical Microbiology / Plant Tissue Culture / Environmental Biotechnology / Biomaterials / Gene Barcoding / Biopharmaceuticals Development & Manufacturing. All faculties are with Masters [M.Sc / M.Tech] & PhD degree, Several with International [USA / Japan / Germany / Israel] research experiences. The department faculties are currently pursuing research in several areas of Biotechnology with significance in Human Healthcare, Agri Biotechnology and Environmental Biotechnology.

The long term goal of the department is to become a Centre for Excellence [COE] for Advanced Research and Consultancy addressing the challenges of Biotech Industry with the support from Govt. & non Govt. agencies as well as serve as a startup incubator for young entrepreneurs. The Department can be a resource capital for agricultural bio economy of villages providing technology and training for mushroom cultivation and plant tissue culture based disease free crop production.

Our long term plan also includes more recruitment of our graduates to the core biotech sectors such as Industries operating in Human Healthcare [Biotherapeutics / Vaccines and Molecular Diagnostics], Biomedical operations [Tertiary Healthcare Facilities and R&D Organizations], Contract Research Organizations [CROs] operating in preclinical and clinical drug / vaccine development, Industrial Biotechnology [Biofuels, industrial enzymes], Biomaterials including Nano Biotechnology.

Finally, networking of the department, at various levels, for mutual benefit, with other Institutes and / or Industries based on sharing of resources, undertaking major projects of multidisciplinary nature.

From 2001 the Department offers a **4 years B.Tech** degree in Biotechnology comprising of 8 semesters & from 2007 we have introduced **2 years M.Tech** program with the goal to further advance in this field. Students are motivated and trained up for GATE / NET / GRE / IELTS / TOEFL / CAT by our faculty members.

DEPARTMENTAL VISION & MISSION

To evolve as a pioneer to combat biological challenges and to develop students with sound concepts in Biotechnology who can excel as Leaders in the field of Research, Entrepreneurship, Industry and Management.

M1: Implementation of outcome based teaching-learning methodology to fulfill current emerging challenges in various areas of Biotechnology.

M2: To fill up the gap between theory and practical in tune with the challenging demands of Biotechnology based industry and academia.

M3: To emphasize on certain areas such as soft skills, ethics, team spirit, environmental and societal issues for overall development.

ADVISORY COMMITTEE – BLISES 2025

Prof. Sankar K. Ghosh, PhD, FNASc

Distinguished Professor – Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), Kolkata, India

Professor, Department of Biotechnology, Assam University, Silchar, India

Former Vice-Chancellor, University of Kalyani, Nadia, India

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Mr. Architkamal Mitra

Manager, EY Kolkata, India

Dr. Suman Kalyan Paine

Project Manager-Genome India,

National Institute of Biomedical Genomics, Kalyani, West Bengal, India

Dr. Suvankar Ghorai

Asst Professor, Department of Microbiology, Raiganj University, WB, India

Visiting Professor - Florida international University, Miami, Florida, USA

IMPORTANT DATES

Abstract submission (Max 250 words)	15th February, 2025
Notification of acceptance by Email	20th February, 2025
Manuscript Submission Deadline	10th March, 2025
Registration Deadline	20th February, 2025

Abstracts should be sent to blises25@hithaldia.ac.in

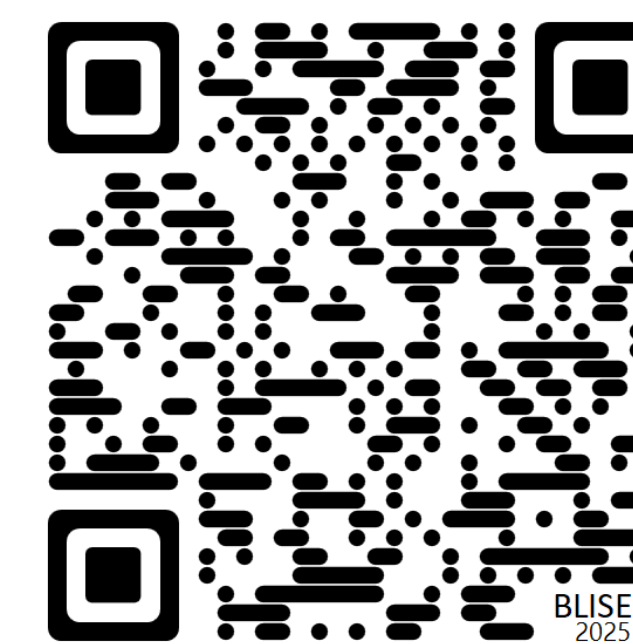
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Registration Fee (Rs)

Industry Participants	3000
Scientist / Faculty Members	1500
Research Scholars / PG Students	1000
UG Students	700

Scan & Register for the Seminar



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Accommodation:

Accommodation for the delegates can be arranged on request in hotels, guest houses, and hostels subject to availability. Registration Fee does not include accommodation.

Souvenir Advertisements (Rs)

Multi Color Back Page	20000
Multi Color Front Inside Gatefold	15000
Multi Color Back Inside Gatefold	15000
Multi Color Full Page	10000
Black and White Full Page	7000

PROGRAM SCHEDULE

Tuesday, 04 MARCH, 2025

Registration & Inauguration

9.00 - 9.30	Registration, Venue: S N Bose Auditorium
9.30 - 10.30	Breakfast
10.30 - 11.45	Inauguration: D. Litt. (Dr.) Laksman Chandra Seth, Founder & Chairman, ICARE & HIT, Haldia Guest of Honor: Prof. Sankar Ghosh, Distinguished Professor at RKMVERI, Kolkata & Assam University, Silchar
11.00 - 11.45	Key Note Lecture by: Prof. Sankar Ghosh

Plenary Lecture: Venue: S N Bose Auditorium

11.45 - 12.15	Plenary Lecture 1: Prof. Tarun Kanti Jana, Principal, Haldia Institute of Technology, WB, India
12.15 - 13.00	Plenary Lecture 2: Prof. Jaya Bandyopadhyay, Professor, Department of Biotechnology, [MAKAUT], West Bengal, India

13.00 - 14.00 LUNCH Break

Technical Sessions

Technical Sessions - I: Omics & Next Generation Sequencing

Venue: S N Bose Auditorium	
14.00- 15.30	Chair: Prof. Somnath Ghosh, Emeritus Professor, Department of Civil Engineering, HIT Haldia Co-Chair: Dr. Shatanab Giri, Associate Professor & HoD, School of Applied Sciences and Humanities, HIT Haldia
14.00- 14.30	Invited Lecture -1: Dr. Pradosh Mahadani, Assistant Professor College of Biotechnology, Birsa Agricultural University, Kanke, Ranchi
14.30 - 15.00	Invited Lecture -2: Dr. Anjan Hazra, Assistant Professor, Department of Botany, Victoria Institution (College), Kolkata
15.00 - 15.30	Invited Lecture -3: Dr. Suman Kalyan Paine, Project Manager, Genome India, National Institute of Biomedical Genomics, Kalyani
15.30- 15.45	TEA Break

Technical Sessions - II: Microbiology and Anti Microbial Resistance

Venue: S N Bose Auditorium	
15.45 - 18.00	Chair: Dr. Utpal Goswami, Professor & HOD Department of Pathology, ICARE Institute of Medical Science & Research, Haldia, India Co-Chair: Prof. Jaya Bandyopadhyay, Professor-Department of Biotechnology, [MAKAUT], West Bengal, India
15.45 - 16.15	Invited Lecture -4: Dr. Munmun Das [Sarkar], MBBS, MD, Professor- Dept. of Microbiology, School of Tropical Medicine, Kolkata
16.15 - 16.45	Invited Lecture -5: Dr. Dipankar Sarkar, MD, Consultant Internist & Intervist ICU Incharge, HoD - Critical Care Unit, Manipal Hospitals, Salt Lake, Kolkata
16.45- 17.15	Invited Lecture -6: Prof. Sujoy Chattopadhyay, Professor & Head, Centre for Health Science & Technology, JISIARS, Kolkata
17.15 - 18.00	Invited Lecture -7: Dr. Dipak Manna, Assistant Professor & Ramalinga Swamy Fellow, RKMVERI, Kolkata



BIOTECHNOLOGY LED INNOVATIONS FOR SOCIETY, ENVIRONMENT & SUSTAINABILITY (BLISES 2025)

National Seminar Focusing on Emerging Technological Advancement Addressing Key Challenges of Human Health Care Management

Wednesday, 05 MARCH, 2025

9.30 - 10.00 BREAK Fast

Technical Sessions

Technical Sessions - III: Advances on Cancer Therapy & Diagnostics

Venue: S N Bose Auditorium	
10.00 - 12.00	Chair: Prof. Sukumar Maiti, MBBS, MS, DNB, MCh, Professor of Surgery, ICARE - IMSR, Haldia Co-Chair: Dr. Gourisankar Roymahapatra, Associate Professor, School of Applied Science and Humanities, HIT Haldia
10.00 - 10.30	Invited Lecture -8: Dr. Utpal Goswami, MBBS, MD, Professor & HOD, Department of Pathology, ICARE - IMSR, Haldia
10.30- 11.00	Invited Lecture -9: Dr. Suvankar Ghorai, Assistant Professor, Department of Microbiology, Raiganj University, Raiganj
11.00 - 11.30	Invited Lecture -10: Dr. Shilpak Chatterjee, Principal Scientist & Assistant Professor, AcSIR, DBT- Welcome Trust Int Fellow, IICB, Kolkata
11.30- 12.00	Invited Lecture -11: Dr. Kausik Maji, MBBS, MD, Professor and HOD, General Medicine, ICARE - IMSR, Haldia

Poster Presentation

12.00 - 13.00	Venue: Central Courtyard, HIT Campus
13.00 - 14.00	LUNCH Break
14.00 - 15.00	Poster Presentation Continued

Biotech Industry Session

Venue: S N Bose Auditorium	
Chair: Dr. Susmit Maity, GM – Training & Placement, HIT, Haldia Co-Chair: Prof. Subrata Trivedi, Dept. of Biotechnology, HIT, Haldia	
15.00- 17.00 [Hybrid] [Time Slot 20 mins each]	Invited Lecture-12: Mr. Partha Sarathi Ghosh, Associate Director, Cognizant, Kolkata
	Invited Lecture-13: Mr. Abhijit Ghorai, Senior Project Manager, Cognizant, Kolkata
	Invited Lecture-14: Mr. Soham Biswas, Associate Vice President, EY-Parthenon, Kolkata
	Invited Lecture-15: Mr. Architkamal Mitra, Manager, EY, Kolkata
	Invited Lecture-16: Prof. Gausal Azam Khan, Professor, Department of Clinical Nutrition, King Faisal University, KSA
17.00 - 18.00	Valedictory Session with Vote of Thanks

Note: Updated as on 5th February, 2025

