



INSTITUTIONAL BIOSAFETY COMMITTEE

Cotton University

Panbazar, Guwahati- 781001, Assam, India
Website: www.cottonuniversity.ac.in

MINUTES OF IBSC MEETING

Meeting Date and Time:
Venue:

27th May 2025 at 3:00 PM
Conference Hall, Administrative Building, CU.

Meeting Agenda:

1. Discussion & approval of received proposals to carry out research & development in the University.
2. Any other Business

The following members were present in the meeting:

1. Prof. Manobjyoti Bordoloi, Dean in charge of PCM Sciences (VC's nominee as Chairman), Department of Chemistry, Cotton University
2. Prof. Probodh Borah, DBT Nominee, Director of Research (Veterinary), Assam Agricultural University, Khanapara campus, Guwahati-22.
3. Prof. Mausumi Ganguly, Dept. of Chemistry, CU
4. Dr Raju Bharalee, Dept. of MBBT, CU
5. Dr Girindra Kumar Bora, Biosafety officer, CARI, Guwahati
6. Dr Debabrat Baishya, Outside Expert, Dept. of Bioengineering and Technology, GU
7. Dr Nameirakpam Nirjanta Devi, Dept. of MBBT, CU
8. Dr A K Verma, Dept of Zoology, CU
9. Dr Leena Borah, Dept of EBWS, CU
10. Dr Purabi Deka Bose, Dept. of MBBT, CU
11. Dr Hrishikesh Upadhyaya, Department of Botany, CU

The following points were discussed in the meeting

1. The IBSC Member Secretary presented the welcome address and briefed the house on the updates from the last meeting. This was followed by an address by Prof. Manobjyoti Bordoloi.
2. Eleven (11) Research proposals were discussed thoroughly in the meeting, and the following decisions were adopted.

Sl. No.	Appln No.	Name (PG/UG/PhD)	Title of the research Problem	Remarks, if any
1	IBSC/Apln/2025/39	Dhritiporna Sutradhar (PG)	Bacterial diversity and its probiotic efficiency in fermented rice water.	• Approved with a recommendation to change the title to "Isolation of <i>Lactobacillus</i> sp. From fermented rice and evaluation of the probiotic efficacy" and resubmit the

Manobjyoti Bordoloi
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				application. • Recommended to use a BSL-2 facility
2	IBSC/Apln/2 025/40	Dipta saha(PG)	Study of the effect of biofertilizer (VAM), Vermicompost and Organic fertilizer on the growth of Tomato Plant	• Approved
3	IBSC/Apln/2 025/41	V Kimi Kilong (UG)	Survey and study of some common fungi present in spoiled vegetables collected from market area	• Approved with a recommendation to use a BSL-2 facility
4	IBSC/Apln/2 025/42	Kashmita Ojah (PhD)	Green synthesis of silver nanoparticles from different parts of Citrus jambhiri Lush, for its antimicrobial activity against common plant pathogens of Citrus fruits	• Approved with a recommendation to use a BSL-2 facility during the antimicrobial activity assay against plant pathogens
5	IBSC/Apln/2 025/43	Prerana Doley (PhD)	Diversity, Molecular characterization and Management of Phytophthora <i>sp.</i> associated with Phytophthora Root Rot Disease of Khasi Mandarin in Tinsukia district of Assam.	• Approved with a recommendation to use a BSL-2 facility and include a comprehensive plan for handling and disposal of biohazard waste.
6	IBSC/Apln/2 025/44	Rini Deori (PG)	Comparison between Rhizospheric microflora of Millets and Paddy field soil	• Approved with a recommendation to use a BSL-2 facility
7	IBSC/Apln/2 025/45	Nikita Gogoi (PG)	Comparative analysis of paddy soil microbial diversity in Kamrup and Dibrugarh district of Assam: Evaluation of acid production and pesticide degradation potential.	• Approved with a recommendation to use a BSL-2 facility
8	IBSC/Apln/2 025/46	Ditikanya Hazarika (UG)	Study of Rhizospheric soil microbes of grasses of Botany Department of Cotton University	• Approved with a recommendation to use BSL-2 facility
9	IBSC/Apln/2	Bhumismit	Study of the microflora	• Approved and with

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	025/47	a Nath (UG)	of garden soil of Botany Department, Cotton University	a recommendation to use BSL-2 facility
10	IBSC/Apln/2 025/48	Dr. Moitrayee Banerjee Chakraborty, (PHD)	Exploration of microbial diversity of paddy-fields using metagenomic approach and culture dependent methods.	• Approved with a recommendation to use BSL-2 facility
11	IBSC/Apln/2 025/49	Ms. Nikita Devi (PhD)	Synergistic integration of efficient microbial consortia isolated from earthworm gut for heavy metal remediation using bio-based nano delivery vehicles	• Approved with a recommendation to use BSL-2 facility

3. The DBT nominee emphasized the necessity for using a biosafety cabinet to ensure safety for the users. **A strong recommendation was given to install BSL 2 cabinets in each life science department.** This should be insisted to the concerned authority along with proposal for the procurement of BSL-2 for each of the life science departments with supporting quotations (if required).
4. The house also suggested to include budget for procurement of Biosafety Cabinets while submitting new research proposals to funding agencies by different life sciences departments of the University. This may be intimated to concerned HoDs for effective implementation.
5. The DBT nominee suggested pre-screening of the applications by a small subgroup among the existing members committee and not by a committee formally constituted with members who are not members of the RCGM-recognised IBSC of the university. Accordingly, the meeting decided to form the subgroup with the following members:
 - i. Dr. Raju Bharalee, Dept. of MBBT
 - ii. Dr. Akalesh K Verma, Dept. of Zoology
 - iii. Dr. Leena Borah, Dept. of EBWS
 - iv. Dr. N. Nirjanta Devi, Dept. of MBBT

The members of the subgroup will review all the proposals submitted for IBSC approval as per the guidelines of RCGM before placing them in the IBSC meeting. The house suggested that the Member Secretary should take

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27/05/2025

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up the matter with the concerned authority to dissolve the proposal pre-screening committee constituted earlier.

6. The DBT nominee suggested keeping a hard copy of the **updated Risk group list** as notified by RCGM during every IBSC meeting for the convenience of referring to it as and when needed.
7. The DBT nominee suggested the inclusion of a separate column in the IBSC application form asking for the detailed methodology to be used for the disposal of biological and hazardous wastes to be generated during the research work.
8. The house advised pursuing with the competent authority to have an appropriate system for the disposal of biological wastes and the hazardous laboratory waste at the institutional level.
9. The house strongly recommended conducting a seminar/awareness program to make postgraduate students, researchers and faculty members aware of the importance of biosafety in research and the biosafety regulations.

The meeting concluded at 4.30 pm with a vote of thanks by Dr. Raju Bharalee, Member Secretary, IBSC, CU.

Manobjyoti Borah
27/05/2025

Date:

Prof. Manobjyoti
Bordoloi (VC's nominee
as Chairman, IBSC, CU)

P. Borah
27.05.25

Date:

Prof. Probodh Borah
(DBT Nominee, IBSC, CU)

DBT Nominee
IBSC, Cotton University
Guwahati-781001 Assam

R. Bharalee
27/5/25

Date:

Dr Raju Bharalee
(Secretary, IBSC, CU)

Member Secretary
IBSC, Cotton University
Guwahati, 781001, Assam