

MINUTES OF MEETING OF INSTITUTIONAL BIOSAFETY COMMITTEE (IBSC)
Cotton University (CU), Panbazar, Guwahati-01

Meeting Date and Time:
Venue:

18th December 2024 at 2.00 PM
Conference Hall, MCB Building, CU.

Meeting Agenda:

1. Discussion & approval of received proposals to carry out research & development in the University.
2. Laboratory visit by the IBSC members for inspection of containment facility.
3. Any other business

The following members were present in the meeting:

1. Prof. Manabjyoti Bordoloi (VC's nominee as Chairman), Department of Chemistry, Cotton University
2. Prof. Probodh Borah, DBT Nominee, Director of Research (Veterinary), College of Veterinary Science, Khanapara, AAU, Jorhat.
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 Namram Sushindrajit Singh, Dept. of Zoology, CU
9. Dr A K Verma, Dept of Zoology, CU
10. Dr Leena Borah, Dept of EBWS, CU
11. Dr Hrishikesh Upadhyaya, Department of Botany, CU

The following points were discussed in the meeting

1. The IBSC secretary gave the welcome address and briefed the house about the functioning of IBSC at Cotton University. This was followed by an address by Prof. Manabjyoti Bordoloi. The IBSC members reviewed the following 3 proposals in the meeting.

Manabjyoti Bordoloi
01/01/2025

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SL No	Appl. No	Title of the project/Research work	Applicant	Approved (Yes/No)	Remarks, if any
1	IBSC/Apply/2024/36	Isolation and biochemical characterization of endophytic bacteria from roots of <i>Houttuynia cordata</i> Thunb.	Mr Doniel Deka, Dept of MBBT, Enrol No. MBB2362003	Yes	Recommended to use BSL-1 facility
2	IBSC/Apply/2024/37	Screening of RS1065852 polymorphism of CYP2D6 gene in a healthy population of Guwahati-A pilot study	Ms Jinti Das, Dept of MBBT, Enrol No. MBB2362010	No	Applicant was advised get ethical clearance from IEC of GMCH and submit a fresh application.
3	IBSC/Apply/2024/38	Assessment of Alkali-Activated coconut husk for biosorption of cationic dyes.	Ms Jurismita Bhuyan, Dept of MBBT, Enrol No. MBB2362002	Yes	Recommended to use BSL-1 facility

2. Laboratory visit by the IBSC members for inspection of containment facilities:

All members conducted visits to the laboratories in the departments of MBBT, Zoology, and Botany from 2:30 PM to 3:30 PM to inspect the containment facilities. However, the DBT nominee was unable to attend the visit to the Department of Botany due to an urgent meeting. The members subsequently provided the following recommendations.

2.1 Recommendations for Department of MBBT:

2.1.1 Members strongly recommended to use Biosafety Cabinet II for doing manipulations of microorganisms that comes under Risk Group II. They opined that Biosafety Cabinet II is a basic necessity for research work in Biotechnology to ensure the safety of users and the environment.

3.1.2 Additionally, they recommended to place the autoclaves in a designated area that is well-ventilated and isolated..

2.2 Recommendations for Department of Zoology:

The members conducted a visit to the containment facilities within the department. They also carried out an inspection of the Biosafety Cabinet II facility. They strongly advised that

Manjyoti Bordoloi
01/01/2025

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01/01/2025

the Biosafety Cabinet be housed in a separate room/cabin to ensure the safety of laboratory personnel and the surrounding environment.

2.3 Recommendations for Department of Botany:

The members have inspected the containment facility in the department and suggested the following

2.3.1 Isolation of soil microorganisms and their manipulation carrying out in the department must be done in Biosafety Cabinet II or above.

2.3.2 They strongly recommended to procure a Biosafety Cabinet II in the department for routine manipulation of microorganisms under Risk Group II.

3. Inputs/suggestions from Members:

- The members of the house have expressed their serious concerns regarding the receipt of only three applications for IBSC approval. Given the extensive research activities occurring at the university, the number of applications submitted for IBSC approval is alarmingly low, suggesting that many research projects/work are being conducted without the necessary IBSC approval. They believe this situation arises from a lack of awareness among faculty and students regarding the requirements for IBSC approval for various research endeavors. Consequently, the house members strongly advocated for conducting Biosafety awareness programmes designed to educate faculty and PG students about the importance of biosafety in research and development. These programs may be organized in collaboration with the Dean of Research and Development of Cotton University. An internal monitoring mechanism for the safety in biological experiments may be evolved at Cotton University.
- The house members have suggested to upload the list of approved projects in every meeting in the IBSC webpage of Cotton University.

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

Manabjyoti Bordoloi
01/01/2025

Date:
Prof. Manabjyoti
Bordoloi (VC's nominee
as Chairman, IBSC)
Department of
Chemistry,
Cotton University
Panbazar, Guwahati

Dr Manobjyoti Bordoloi
Professor, Department of Chemistry
Cotton University, Guwahati-781001
Assam, INDIA

Dr. P. Borah
01.01.25

Date:
Prof. Probohd Borah
(DBT Nominee, IBSC, CU)
Department of Animal
Biotechnology, College of
Veterinary Science, Assam
Agricultural University,
Khanapara

DBT Nominee
IBSC, Cotton University
Guwahati - 781001 Assam

Raju Bharalee
01/01/2025

Date:
Dr Raju Bharalee
(Secretary, IBSC, CU)
Assistant Professor,
Dept. of MBBT, Cotton
University
Member Secretary
IBSC, Cotton University,
Guwahati - 781001, Assam

**INSTITUTIONAL BIOSAFETY COMMITTEE
Cotton University (CU), Panbazar, Guwahati**

Attendance Sheet of members present in the IBSC Meeting

Venue: Conference Room, MCB building, CU
Meeting Date: 18th December 2024
Time: 2pm

Member type	Name	Affiliation	Signature with Date
Chairman	Prof. Manabjyoti Bordoloi (VC's nominee)	Department of Chemistry, Cotton University	<i>Manabjyoti Bordoloi</i> 18/12/2024
DBT Nominee	Prof. Probodh Borah	College of Veterinary Science, Assam Agricultural University,	<i>P. Borah</i> 18.12.24
Member Secretary	Dr Raju Bharalee	Cotton University, Department of Molecular Biology and Biotechnology	<i>R. Bharalee</i> 18/12/2024
Biosafety Officer	Dr Girindra Kumar Bora	Biosafety officer, CARI, Guwahati	<i>G. Bora</i> 18/12/24.
Outside Expert	Dr Pranjan Barman	Gauhati University, Department of Biotchnology.	
	Dr Debabrat Baishya	Gauhati University, Dept. of Bioengineering and Technology	<i>D. Baishya</i> 18/12/2024
Internal Members	Dr Nameirakpam Nirjanta Devi	Cotton University, Dept. of MBBT	<i>N. Nirjanta</i> 18/12/24
	Dr Namram Sushindrajit Singh	Cotton University, Dept. of Zoology	<i>N. Sushindrajit Singh</i> 18/12/24
	Dr Akalesh Kumar Verma	Cotton University, Dept. of Zoology	<i>A. Verma</i> 18.12.24
	Dr Hrishikesh Upadhyaya	Cotton University, Dept. of Botany	<i>H. Upadhyaya</i> 18.12.24
	Dr Mausumi Ganguly	Cotton University, Dept. of Chemistry	<i>M. Ganguly</i> 18/12
	Dr Purabi Deka Bose	Cotton University, Department of Molecular Biology and Biotechnology	
	Dr Leena Borah	Cotton University, Department of EBWS	<i>L. Borah</i> 18/12/24

Manabjyoti Bordoloi
18/12/2024

Prof. Manabjyoti Bordoloi
(VC's nominee as
Chairman)
Department of Chemistry
Cotton University
Panbazar, Guwahati

P. Borah
18.12.24

Prof. Probodh Borah
(**DBT Nominee, IBSC, CU**)
Department of Animal Biotechnology,
College of Veterinary Science, Assam
Agricultural University, Khanapara

R. Bharalee
18/12/2024

Dr Raju Bharalee
(**Secretary, IBSC, CU**)
Assistant Professor,
Dept. of MBBT, Cotton
University

INSTITUTIONAL BIOSAFETY COMMITTEE (IBSC) MEETING
Cotton University (CU), Panbazar, Guwahati, Assam

Venue: Conference Room, Ground Floor, MCB Building, CU
Time: 2 PM

Date: 18.12.2024

AGENDA OF THE MEETING

1. Discussion & clearance of received proposals to carry out research & development in the University.
2. Department/laboratory visit for inspection of containment facilities in Department of MBBT, Zoology and Botany)

PROGRAMME

2:00 PM	Welcome address by Member Secretary, IBSC, CU
2:05 PM	Address by Chairman
2:10 PM	To review projects/proposals received for IBSC approval
2:30 PM	Department/laboratory visit

Muljoti Bordoloi
18/12/24
Prof. Manabjyoti Bordoloi
(VC's nominee as
Chairman)
Department of Chemistry,
Cotton University
Panbazar, Guwahati

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18.12.24
Prof. Probodh Borah
(DBT Nominee, IBSC, CU)
Department of Animal
Biotechnology, College of
Veterinary Science, Assam
Agricultural University, Khanapara

Rharalee
18/12/2024
Dr Raju Bharalee
(Secretary, IBSC,
CU)
Assistant Professor,
Dept. of MBBT,
Cotton University