

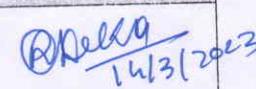
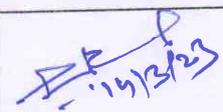
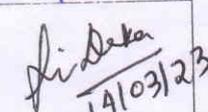
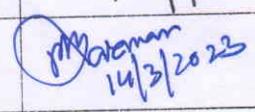
MINUTES OF MEETING OF INSTITUTIONAL BIOSAFETY COMITTE (IBSC)
Cotton University (CU), Panbazar, Guwahati-01

Meeting Date and Time: 6th March 2023 at 2.00 PM
Venue: Conference Hall, MCB Building, CU.

Meeting Agenda:

1. To update about renewal of IBSC, CU
2. Examination & clearances of received proposals to carry out research & development in the University
3. Formation of Proposal Screening Committee for screening of research proposal received for approval
4. To discuss modification of PhD provisional registration form by incorporating a column indicating status of IBSC approval for the proposed work.
5. To discuss the issue of disposal of Biohazardous waste material generated in the university
6. To take inputs/suggestion for conducting training for Scientific Assistant and faculties on biosafety.

The following members wee present in the meeting:

Name	Affiliation	Members type	Signature
Prof. R C Deka	Vice Chancellor, Cotton University, Guwahati	Chairman	 14/3/2023
Prof. Probodh Borah	Department of Animal Biotechnology, College of Veterinary Science, Khanapara	DBT nominee	 14/3/23
Dr. Raju Bharalee	Dept. of MBBT, Cotton University	Secretary	 14/3/23
Dr. Sumi Deka	Asst. Professor, Dept. of Biochemistry, Nalbari Medical College and Hospital, Assam.	Biosafety Officer	 14/03/23
Dr. Pranjal Barman	Department of Biotechnology, Gauhati University	Outside expert	 14/3/2023
Dr. Akalesh Kumar Verma	Dept. of Zoology, Cotton University	Member	
Dr. N. Sushindrajit Singh	Dept. of Zoology, Cotton University	Member	
Dr. Purabi Deka Bose	Dept. of MBBT, Cotton University	Member	

Dr N. Nirjanta Devi	Dept. of MBBT, Cotton University	Member	<i>Nirjanta</i> 13/3/23
Dr. Leena Borah	Department of EBWS, Cotton University	Member	<i>Borah</i> 13/3/23

The following resolutions are adopted in the meeting

1. The IBSC secretary gave a brief presentation on the functioning of IBSC and also informed the house that application for renewal of IBSC of Cotton University has been submitted to DBT and it is under review. This was followed by an address from the Chairman IBSC and VC, Cotton University
2. The IBSC reviewed and approved 25 proposals subject to submission of certain documents for some of the proposals as indicated in the **Annexure-I** below.
3. The house members agreed to constitute a proposal pre-screening committee, consisting of internal IBSC members, to screen the submitted proposals before presenting them in the meeting. It was also suggested to segregate the submitted proposals into categories like UG, PG, PhD and funded research proposal for smooth screening. The Internal members should give their comments for the assessment in a separate column. The PI may be called for presentation to justify his/her proposal if required.
4. The house suggested to propose the concerned authority to ensure IBSC approval for research work (dissertation/ PhD research/Project) that are carried out in the university. This may be done by compulsory incorporation of a clearance certificate from IBSC in the final dissertation report submitted by the student. In case of PhD research, a column indicating the status of IBSC approval for the proposed work may be added in the PhD provisional registration form.
5. The issues related to disposal of Biohazardous waste material generated in the university was discussed. The member secretary informed the house that Cotton University is in the process of signing MoU with private firm for disposal of biohazardous liquid and solid wastes generated in the University. This information was verbally received from Dr Rinu Prabha Deka, Assistant professor, Dept of Chemistry, CU.
6. **Inputs/suggestion from Members**
 - The DBT nominee have strongly suggested the necessity of use of Biosafety Cabinet (Class II) while handling/manipulating microorganisms isolated from different sources like soil, water, insects etc for the safety of the users. Laboratories handling microorganisms from such sources should have biosafety cabinet.
 - The application for IBSC approval should be submitted by the student (for dissertation and PhD work), PI (for project work) through Head of the Department.
 - The house emphasized the importance of conducting trainings on Biosafety issues for SA and Faculties by organizing seminar/ awareness program.

Nirjanta
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Borah
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Borah
13/3/23

Rinu Prabha Deka
13/3/23

Arpita

Sanj

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14/3/23

ANNEXURE-I

SL No	Appln No	Title of the project/Research work	Applicant	Approval (Yes/No)	Remarks
1	IBSC/Apln/2023/01	Identification and study of certain heavy metal tolerant fungi	Dr N Nirjanta Devi (Farnaz Nasrin Rahman, UG 6 th sem)	Yes	
2	IBSC/Apln/2023/02	Isolation and Identification of heavy metal tolerant bacterial strains from soil	Dr N Nirjanta Devi (Serlin Phukan, UG 6 th Sem)	Yes	Recommended to use Biosafety Cabinet Class II Type A1
3	IBSC/Apln/2023/03	Mycoremediation of heavy metal contaminated dumping site through metallotolerant fungal isolates	Dr N Nirjanta Devi (Nikita Devi, PG 4 th em)	Yes	
4	IBSC/Apln/2023/04	Extraction of bioactive compound and medicinal properties of wild edible mushrooms and production of spawn and mushroom cultivation technology	Dr N Nirjanta Devi (Ashok Kumar Sharma, PG 4 th sem)	Yes	
5	IBSC/Apln/2023/05	A study on the diversity of wild mushroom species of Assam	Dr N Nirjanta Devi (Ruby Bhagawati, PG 4 th Sem)	Yes	
6	IBSC/Apln/2023/06	Isolation and phytochemical screening of endophytes isolated from <i>Curcuma amada</i>	Dr N Nirjanta Devi (Pooja Baruah, PH 4 th Sem)	Yes	
7	IBSC/Apln/2023/07	Screening of bioactive compounds and endophytic actinobacteria from the pharmacologically potent cultivars of ginger grown in Assam, North-East, India	Dr N Nirjanta Devi (Zeenat Anar Hussain, PhD Work)	Yes	
8	IBSC/Apln/2023/08	Study on the functional diversity of gut microbial communities of earthworm under heavy metal stress	Dr N Nirjanta Devi (Pinky Borah, PhD Work)	Yes	Recommended to use Biosafety Cabinet Class II Type A1
9	IBSC/Apln/2023/09	A study on Vascular Endothelial Growth Factor-A (VEGF-A) gene polymorphism in patients with Acute Myeloid Leukemia of Assam, India	Dr Purabi Deka Bose (Shivkanya dutta, UG 6 th Sem)	Yes	Subject to submission of clearance from Institutional Ethics Committee
10	IBSC/Apln/2023/10	A study on Programmed cell death protein-1 (PD-1) gene polymorphism in patients with Acute Myeloid Leukemia of Assam, India	Dr Purabi Deka Bose (Surya Nath, UG 6 th Sem)	Yes	Subject to submission of clearance from Institutional Ethics Committee
11	IBSC/Apln/2023/11	A study on Hypoxia-inducible factor 1- α (<i>HIF-1α</i>) gene polymorphism in patients with Acute Myeloid Leukemia of Assam, India	Dr Purabi Deka Bose (Garima Chetry, UG 6 th Sem)	Yes	Subject to submission of clearance from Institutional Ethics Committee
12	IBSC/Apln/2023/12	Role of Tim-3 gene expression studies in the pathogenesis of Acute Myeloid Leukemia (AML) patients in the population of Assam	Dr Purabi Deka Bose (Pallabi Basumatary, PG 4 th Sem)	Yes	Subject to submission of clearance from Institutional Ethics Committee
13	IBSC/Apln/2023/13	Role of Hypoxia-inducible factor 1 α (<i>HIF-1α</i>) gene expression in the pathogenesis of Acute Myeloid Leukemia (AML) in the population of Assam	Dr Purabi Deka Bose (Swaparna Malakar, PG 4 th Sem)	Yes	Subject to submission of clearance from Institutional Ethics Committee
14	IBSC/	Role of FOXO1 gene polymorphism	Dr Purabi Deka	Yes	Subject to

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	Apln/2023/14	and expression studies in the pathogenesis of Non-alcoholic Fatty liver disease (NAFLD) in the population of Assam	Bose (Pranami Hazarika, Pg 4 th Sem)		submission of clearance from Institutional Ethics Committee
15	IBSC/Apln/2023/15	A study on the Role of T- cell immunoglobulin and mucin domain 3 (Tim- 3) and Associated Immune Checkpoints in the Pathogenesis of Acute Myeloid Leukemia	Dr Purabi Deka Bose (Shantipriya kakati, PhD work)	Yes	Subject to submission of clearance from Institutional Ethics Committee
16	IBSC/Apln/2023/16	Evaluation of Potent Immunological and Genetic Mechanisms in the Pathogenesis of Non-Alcoholic Fatty Liver Disease in the population of Assam	Dr Purabi Deka Bose (Snigdha Jyoti Das, PhD work)	Yes	Subject to submission of clearance from Institutional Ethics Committee
17	IBSC/Apln/2023/17	Associative study of chromosomal abnormalities and molecular genetic factors in hypoxic and angiogenic pathways in the pathogenesis of Acute Myeloid Leukemia: A study from Assam, India	Dr Purabi Deka Bose (Mayuri Goswami, PhD work)	Yes	Subject to submission of clearance from Institutional Ethics Committee
18	IBSC/Apln/2023/18	Evaluation of Vitamin C content of citrus fruits of North East India	Dr Raju Bharalee (Sukanya Sudarshini, Pg 4 th em)	Yes	
19	IBSC/Apln/2023/19	Comparative analysis of total protein content of locally available lablab beans	Dr Raju Bharalee (Hiyashree Das, PG 4 th Sem)	Yes	
20	IBSC/Apln/2023/20	A study to detect adulterant in raw and commercial milk samples from Guwahati	Dr Raju Bharalee (Ramkrishna Dey, PG 4 th Sem)	Yes	
21	IBSC/Apln/2023/21	Evaluating the combined efficacy of fungal formulations: <i>Beauveria bassiana</i> and <i>Verticillium lecanii</i> in mosquito population control in Guwahati, Assam	Dr Anjana Singha Naorem (Aditya Kataki, PG 4 th Sem)	Yes	
22	IBSC/Apln/2023/22	Study of antitumor activity and toxicity of fungal extracts in murine tumor model and isolation of bioactive principle thereof.	Dr Akalesh Kumar Verma (Diksha Dutta, PhD work)	Yes	Recommended to use Biosafety Cabinet Class II Type A1
23	IBSC/Apln/2023/23	Study of anti-tumor activity and toxicity of Melinjo (<i>Gnetum gnemon</i> L.) in Dalton's lymphoma ascites bearing mice	Dr Namram Sushindrajit Singh (Munmi Gogoi, PhD Work)	Yes	Subject to submission of clearance from Institutional Animal Ethics Committee
24	IBSC/2023/24	Assessment of antitumor efficacy of <i>Garcinia pedunculata</i> Roxb. Fruit extract in tumor bearing mice model	Dr Namram Sushindrajit Singh (Kasturi Dutta, PhD work)	Yes	Subject to submission of clearance from Institutional Animal Ethics Committee
25	IBSC/2023/25	Evaluation of the anticancer efficacy of certain traditionally used medicinal plants of Northeast India	Dr Namram Sushindrajit Singh (Mary Devi)	Yes	Subject to submission of clearance from Institutional Animal Ethics Committee