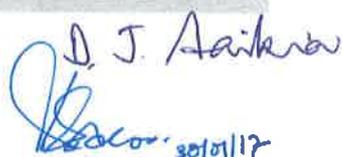


INSTITUTIONAL BIOSAFETY COMMITTEE
Cotton College State University (CCSU), Panbazar, Guwahati

Attendance Sheet of 1st IBSC meeting held on 30.01.2017 at 2.30 pm
Venue: MCB building, CCSU

Following members of IBSC, CCSU were present in the meeting:

| SI No | Name | members type | Sign |
|-------|------------------------------|------------------|---|
| 1 | Prof. D. J. Saikia | Chairperson |  |
| 2 | Prof. Lingaraj Sahoo | DBT nominee |  |
| 6 | Dr Raju Bharalee | Member Secretary |  |
| 7 | Dr Purabi Deka Bose | Member |  |
| 8 | Dr. A K Verma | Member |  |
| 9 | Dr Namram Sushindrajit Singh | Member |  |
| 10 | Dr Hrishikesh Upadhyaya | Member |  |
| 11 | Dr Nameirakpam Nirjanta Devi | Member |  |

The two external experts Dr P. Borah, Veterinary College, Khanapara and Dr M R Khan, IASST, Boragaon Guwahati have given prior intimation through mail about their inability to attend the meeting. The biosafety officer also expressed her inability to attend the meeting due to some preoccupied assignment.

COTTON COLLEGE STATE UNIVERSITY

PANBAZAR, GUWAHATI-781001, ASSAM, INDIA

MINUTES OF 1st MEETING OF INSTITUTIONAL BIOSAFETY COMMITTEE (IBSC)

Venue: MCB Building, Room No 305, Cotton College State University

Date: 30th January 2017

Time: 2.30 PM

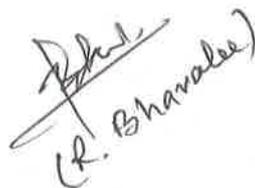
MEMBERS PRESENT:

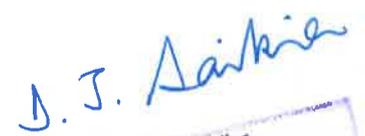
1. **Prof. D. J Saikia**, Vice Chancellor, CCSU, Guwahati, Assam (Chairperson, CCSU IBSC)
2. **Prof. Lingaraj Sahoo**, Department of Bioscience & Bioengineering , IIT Guwahati, Assam (DBT Nominee, IBSC, CCSU)
3. **Dr. (Mrs.) Purabi Deka Bose**, Asst. Professor and Head i/c, Dept. of Molecular Biology and Biotechnology, CCSU, Guwahati (Member, CCSU IBSC)
4. **Dr. N. Nirjanta Devi**, Asst. Professor, Dept. of Molecular Biology and Biotechnology, CCSU, Guwahati (Member, CCSU IBSC)
5. **Dr. Akalesh K. Verma**, Asst. Professor, Dept. of Zoology, CCSU, Guwahati (Member, CCSU IBSC)
6. **Dr. N Sushindrajit Singh**, Asst. Professor, Dept. of Zoology, CCSU, Guwahati (Member, CCSU IBSC)
7. **Dr. Hrishikesh Upadhyaya**, Asst. Professor, Department of Botany, CCSU, Guwahati (Member, CCSU IBSC)
8. **Dr. Raju Bharalee**, Asst. Professor, Dept. of Molecular Biology and Biotechnology, CCSU, Guwahati (Member Secretary, CCSU IBSC)

AGENDA OF THE MEETING:

1. Assessment of work elements and approval as per risk category of organisms involved for submitted and ongoing projects.
2. Evaluation of projects to be submitted for requirements of statutory approvals.
3. Inspection on availability of containment facilities, green house etc. (applicable for risk group II and any type of rDNA work)
4. To discuss about the procedure for approval requirements.
5. To sign a confidentiality agreement with IBSC members including DBT nominee.


L. Sahoo
(L. Sahoo)


(R. Bharalee)


D. J. Saikia
Vice Chancellor
Cotton College State University
Guwahati

RESOLUTION OF THE MEETING:**1. Assessment of work elements and approval as per risk category of organisms involved for ongoing projects**

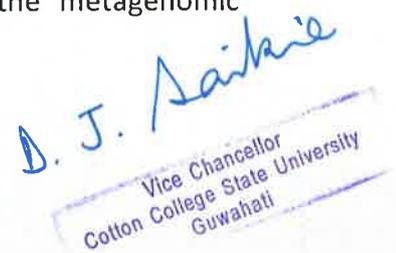
- (a) The PI, **Dr. P. D. Bose** has given an oral presentation on different work components of her two research projects (one ongoing and one approved recently) in the house. These two projects are "Screening of Genetic and Immunological Factors in Human Papilloma virus (HPV) Infection induced Cervical Cancer: a North East India based study" and "Delineation of the chromosomal and molecular endocrinological alterations leading to recurrent pregnancy loss in Northeast Indian population". The PI informed the house that none of these projects involve any rDNA work components or organisms that are pathogenic to human. However, she informed the house that under the first project the chromosomal DNA of cancer patient extracted in Gauhati University (Collaborating institute) would be brought to CCSU for detection of HPV DNA by PCR with specific primers. She categorically informed the house that the pathogenic HPV will not be used in CCSU. The second project involves only nonpathogenic human samples, i.e., blood and tissue from aseptic patients with pregnancy complications. The sample will be subjected to DNA extraction followed by PCR analysis as well as biochemical and histological analysis. There is no pathogenic organisms or rDNA components involved in the said project. Therefore, it was decided by the house that no statutory approval is required for these two ongoing projects as they don't involve any rDNA component and organisms pathogenic to human.
- (b) The PI, **Dr A K Verma** has given an oral presentation on different work components of his ongoing project entitled "Study on the anticancer potential of North East Indian propolis and isolation of possible active principle(s)". The PI informed the house that his project does not involve any rDNA work. However, the PI would be using some cancerous cell line for his studies for which the biosafety level II is required. He will be specifically using breast cancer cell lines like MCF-7, MCF-10A and MDA-MB-231 in his study. He also informed the house that his lab is having Biosafety level II facility and also given an undertaking for the same. Based on his presentation the house members were convinced and allowed him to carry out his experiments.
- (c) The PI, **Dr. N. Sushindrajit Singh** has given an oral presentation about his ongoing project entitled "Time is on your side: the importance of short day length in reproduction of birds". He has explained the different components of his projects in front of the house members and informed that his project does not involve any rDNA work or organisms under risk group II and above.

2. Evaluation of projects to be submitted for requirements of statutory approvals from IBSC

- (a) The PI, **Dr. Raju Bharalee** has given an oral presentation on his project proposal to be submitted to DST under ERA scheme. The title of the proposal is "Metagenomic profiling for Identification and source tracking of pathogenic bacterial communities for management of Flacherie disease in Muga silk worm (*Antheraea assamensis*) of Assam". The PI informed that the proposed proposal involves the metagenomic


L. SAHOO


(R. Bharalee)


D. J. Saikia
Vice Chancellor
Cotton College State University
Guwahati

profiling of bacterial communities associated with the Muga silk worm of Assam. Total DNA from Flacherie infected and healthy muga silk worm would be isolated using kits. The isolated DNA would be used for amplification of V3-V4 region of bacterial rRNA genes followed by next generation sequencing. There is no rDNA component or pathogenic organisms involved in the proposal and therefore does not require any statutory approval from the IBSC.

- (b) The PI, **Dr. N. Nirjanta Devi** has given an oral presentation on different work components involved in her project to be submitted to DST. The title of the proposal is "A study on biodiversity and bioactive compounds of endophytic fungi associated with Chakhao of Manipur". In the proposed work the PI would isolate the endophytic fungi from an aromatic black rice of Manipur followed by their molecular characterization for biodiversity study. PI informed the house that the proposed work does not involve any rDNA work or pathogenic microbes and therefore no statutory approval is required from IBSC.

3. Inspection on availability of containment facilities, green house etc. (applicable for risk group II and any type of rDNA work)

The members of the IBSC committee from different Life Sciences Department of Cotton College State University has informed the house that their department has basic containment facility for doing R & D activities in the proposed ongoing/projects. It was also informed that the University is building up green house and other infrastructure facilities to facilitate research in different areas of life sciences. The Chairperson of IBSC, CCSU has informed that presently the University is not having enough bio-containment facility (except Department of Zoology) for risk group II and above. However, these types of facilities are being created in order to carry out research in the near future.

4. To discuss about the procedure for approval requirements.

The house also discussed about the category of projects that needs statutory approval from IBSC. The DBT nominee has explained about the procedural requirement for taking statutory approval from IBSC for research projects to be submitted or ongoing. Different members present in the meeting have cleared their doubts regarding different risk group of organisms for which prior approval from IBSC is mandatory.

5. To sign a confidentiality agreement with IBSC members including DBT nominee.

The member secretary informed the house that this was the 1st meeting after the constitution of IBSC of CCSU. He requested all the members present in the meeting to sign in the confidentiality agreement to be submitted to RCGM. According the agreement was signed by all the members present in the meeting.

The meeting concluded at 3.45 PM with a vote of thanks by Member Secretary, IBSC


(L. Saha)


(A. Phomalia)


D. J. Santhia
Vice Chancellor
Cotton College State University
Guwahati