

SILKWORM SEED TECHNOLOGY LABORATORY, KODATHI, BENGALURU

PROCEEDINGS OF 54th MEETING OF RESEARCH COUNCIL

The 54th meeting of Research Council of Silkworm Seed Technology Laboratory (SSTL), Kodathi was held on 10.03.2023. At the outset, Dr. Chandrashekar R Hegde, Scientist D & Head, SSTL welcomed the Chairperson Dr. K. Shashindran Nair, Scientist-D & Incharge officer, NSSO, and other members (**Annex-1**). He briefed the house about the SSTL activities during the period under report and requested the Chairperson to conduct the meeting. Dr. K. Shashindran Nair in his opening remarks said to conduct RC and RAC meetings twice in a year, regularly and started the meeting as per the Agenda.

Item No. 1: Confirmation of the minutes of the 53rd RC meeting

Since no comments were received from any of the members, the minutes were confirmed.

Item No. 2: Follow-up action taken on the decisions/ suggestions of the last Research Council meeting

The follow- up actions of the comments / suggestions emanated from the last RC meeting was reviewed in the meeting. Point wise actions taken are as detailed here under.

1. Suggested to include link reports of previous RAC and RCC in follow up action related to the concern projects.
2. Advised to request NSSO, Head office scientists to be part of the projects as CI.
3. Decol and CRH firms need to be registered in GeM portal.
4. SSTL activities should be published in Indian Silk.
5. SSTL Cold storage unit need to repair immediately for project works.

Item No.3: Review of New Project Proposals recommended for approval

New Project Concept 1: Identification, Characterization and infectivity of different microsporidia in silkworm seed area" in collaboration with SBRL, Bangalore. Presented by Dr. R. Saravana Kumar.

The Committee suggested to modify the Project title and objectives and also said to decide and discuss with CI/ Collaborative institutes before submitting to the RCS for approval.

New Project Concept 2: Improvisation, Evaluation and Development of Eri Silkworm, *Samia ricini* (Donavan) egg handling techniques. Presented by Dr. Sailaja Bandam

The Committee suggested to find out exclusively the fecundity and hatching% of third day laid eggs and also advised to take first and second day laid composite eggs for preservation experiment. Committee advised to include collaborators from MESSO and its units before submitting to the RCS for approval.

Item No.4: Review of progress of on-going projects/programmes of the Institute

Project 1 MOE 09001MI: Evaluation of new technologies for seed production improvement.

Component-1: Test verification of technologies developed for seed /seed cocoon preservation and regulation of erratic moth emergence in Tasar silkworm (*Antheraea mylitta*, D).(In collaboration with BTSSO, Bilaspur and CTR&TI, Ranchi). Presented by Dr. Sailaja Bandam.

Committee suggested to procure all the trials data from the collaborative institutes.

Component-2: Test verification of synthetic blend (volatiles) developed for bivoltine silkworm seed production. (In collaboration with SSPC, K.R.Nagara and P2 BSF, Sheeshambara). Presented by Dr. Chandrashekar Hegde.

Committee advised to take up FC1 and FC2 parental breeds for the final experiments and suggested to write a letter to IIHR for procurement of volatile to conduct the experiments.

Committee suggested to conduct trials at SSPC, K.R.Nagara and P2 BSF, Sheeshambara and recommended for the extension of project duration upto December, 2023.

Project 2 APS 09002MI: Diapause induction in Muga Silkworm (*Antheraea assamensis* Helfer) in collaboration with SBRL Bangalore and MESSO Guwahati. Presented by Dr. R. Saravana Kumar.

Committee advised to include Dr. Himanshu Dubey, Scientist-C as one more CI from SBRL for Diapause gene homology identify in Muga genome.

Project 3 APS 09003MI: Evaluation of reproductive performance of Eri Silkworm, *Samia ricini* (Donovan) in collaboration with ESSPC, Hosur/ P2 BSF, Tapatoli. PI: Dr. Mala N

Committee advised to collect the two trials data conducted at P2 BSF Tapatoli and CSGRC, Hosur.

Collaborative Projects as CI

1. AIT06006 MI: Marker assisted screening to identify silkworm genetic resources tolerant to BmNPV and BmBDV. Collaborative project with CSGRC, Hosur.
Presented by Dr. R. Saravana Kumar.

Committee suggested to highlight only maximum % of Survival in disease tolerant Bioassay rearing data. Committee suggested to inform the PI to visit the SSTL during Bioassay studies.

2. AIB08008 MI: Development and evaluation of Eri silkworm (*Samia ricini* Donovan) breeds/ hybrids with improved productivity. Collaborative project of SBRL with SSTL. CI: Dr. Mala N

Stocks of six morphotypes of Eri silkworm are being maintained. Committee advised to collect the data.

Item No.5: Review of on- going programmes at the institute level.

The Committee reviewed the progress of on-going mandatory programmes of the institute and advised to continue the Training for human resource development, Joint Disease Monitoring Survey in Southern states, Extension and communication programmes, testing of disinfectants.

Committee appreciated the efforts of Scientists in conducting Silkworm Pebrine Disease Monitoring Surveys at Seed areas and also for conducting need based trainings to DoS, Karnataka.

The meeting was concluded with thanks to the Chair.

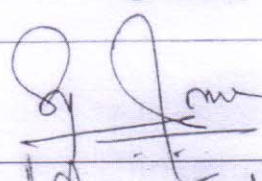
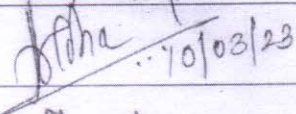
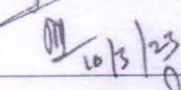
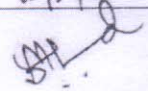
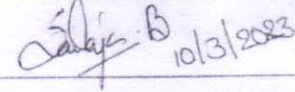
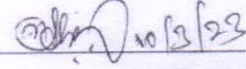


Chairperson
Research Council

Annexure-1

SILKWORM SEED TECHNOLOGY LABORATORY, KODATHI, BANGALORE

MEMBERS ATTENDED FOR 54th RC MEETING HELD ON 10.03.2023

#	Name & Designation	Signature
1	Dr. K. Sashindran Nair, Director Incharge & Chair Person NSSO, Central Silk Board, Bangalore	
2	Shri B. Mohan, Scientist D NSSO, Central Silk Board, Bangalore	
3	Dr. Chandrashekar R Hegde, Scientist D & Head SSTL, Kodathi, Central Silk Board, Bangalore	
4	Dr. Siddique Ali Ahmed, Scientist D Training Division, CO, Central Silk Board, Bangalore	
5	Dr. B. Sailaja, Scientist C SSTL, Kodathi, Central Silk Board, Bangalore	
6	Dr. R. Saravana Kumar, Scientist C SSTL, Kodathi, Central Silk Board, Bangalore	
7	Dr. N. Mala, Scientist B SSTL, Kodathi, Central Silk Board, Bangalore	
8	Dr. G.R. Manjunath, Scientist -C RCS, CO, CSB, Bangalore	
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