

**PROCEEDINGS OF THE 65TH RESEARCH COUNCIL MEETING OF CSGRC
HELD ON AUGUST 18TH, 2021**

The 65th Research Council meeting of CSGRC, CSB, Hosur was convened on 18th August 2021, chaired by Dr.B.T.Sreenivasa, Director, CSGRC. He initiated the meeting by welcoming all participants and advised all scientists to work on the progress of their projects as per the milestones. With this, item-wise discussion was taken up. List of participants is appended at Annexure I.

ITEM NO. I: CONFIRMATION OF THE MINUTES OF THE 64TH RC MEETING HELD ON 30TH APRIL, 2021

The minutes of the 64th RC meeting was confirmed since no comments were received.

ITEM NO. II: REVIEW OF FOLLOW-UP ACTION ON THE DECISIONS OF THE 64TH RC MEETING

Action taken on the decisions of the 64th RC meeting held on 30th April, 2021 was reviewed and following decisions were arrived at:

1. Training may be obtained by Dr.Thanavendan, Scientist-C and Dr.Thriveni, Scientist-B at IIHR, Bengaluru, after obtaining approval from C.O, CSB.

[Action: Dr. G. Thanavendan, Sc-C & Dr. M.C.Thriveni, Sc-B]

2. Printing of compendium of catalogue data and SOP may be carried out at the earliest.

[Action: Dr. Ritwika, Sc-C, Dr. M.C.Thriveni, Sc-B & Shri.S.Sekar, AD (Comp)]

3. Plot boards/accession boards should be updated at the earliest.

[Action: All Scientists, Mulberry Division]

4. Division-wise instrumentation room should be made for effective maintenance of the scientific equipments. Condemnation of all unserviceable scientific equipments should be carried out at the earliest which is otherwise hindering the purchase of new equipments.

[Action: Divisional Heads]

ITEM NO. III: FORMULATION OF NEW PROJECT CONCEPTS

1. Digitalization of phenotypic and biological characteristics of silkworm genetic resources.

Smt. G. Punithavathy, Sc-D presented the concept note. It was suggested to prepare the full concept note with proper justification in MIS format and submit the same to C.O. for clearance at the earliest.

[Action: Smt. G. Punithavathy, Scientist-D]

2. Screening of fruit yielding mulberry germplasm and development of package and practices for fruit tree plantation

Dr. G. Thanavendan, Sc-C presented the concept note. The house approved the concept note and advised to submit the same in MIS format to C.O. for clearance at the earliest.

[Action: Dr. G. Thanavendan, Sc-C]

3. Standardization of protocol for cryopreservation of mulberry pollen and vegetative buds

Shri. Raju Mondal, Sc-B, presented the concept note. The house approved the concept note and advised to submit the same in MIS format to C.O. for clearance at the earliest.

[Action: Shri. Raju Mondal, Sc-B]

ITEM NO. IV: PROGRESS OF ONGOING RESEARCH PROJECTS (APR-JUN, 2021)

1) PIE-06001 SI: Collection, characterization, evaluation, conservation and supply of mulberry genetic resources - Phase IX (Nov.18 – Nov.21)

The PI presented the progress of the project. PI was advised to raise the nursery for indigenous accessions with proper labelling.

[Action: Dr. G. Thanavendan, Sc-C]

2) PIG-06004 SI: Studies on cytological status of mulberry genetic resources

The PI presented the progress of the project. PI was suggested to optimize the shoot tip with different physical treatments for chromosome plate preparation.

[Action: Shri. Raju Mondal, Sc-B]

3) PIG-06005 SI: Molecular characterization of mulberry genetic resources for the identification of duplicates and effective utilization

The PI presented the progress of the project. The committee suggested the PI to contact the investigators of the project PIC01003CN of CSRTI, Mysore to obtain the information on WGS of *M. indica*.

[Action: Dr. M.C. Thriveni, Sc-B]

4) PIB-3586: Development of superior mulberry varieties through controlled hybridization for North-West Indian states (Coll. project of CSRTI, Pampore with CSGRC, Hosur)

The Co-PI informed that there is no milestone was set during the period of review for CSGRC, Hosur under the project. The house took note of the same.

[Action: Dr. G. Thanavendan, Sc-C]

5) PIB-3629: Development of mulberry genotypes suitable for rainfed hill farming in North - West India (Coll. project of RSRS, Jammu with CSGRC, Hosur)

The Co-PI informed that there is no milestone was set during the period of review for CSGRC under the collaborative project. The house took note of the same.

[Action: Dr. G. Thanavendan, Sc-C]

6) PIC-01003CN: Genetic enhancement of mulberry by genomics approaches: A multi component network project: NW4b: Mimic alkaloids in mulberry and their role in modulating host plant – Insect interactions (Coll. project of CSR&TI, Mysore with UAS-GKVK, Bangalore, CSIR-NCL, Pune and CSGRC, Hosur)

The Co-PI informed that there is no milestone was set during the period of review for CSGRC under the collaborative project. The house took note of the same.

[Action: Dr. G. Thanavendan, Sc-C]

- 7) **PIT-08004: Study on epigenetic and autophagy modifiers on induction of haploid microspore embryogenesis in mulberry** (Coll. Project of SBRL, Kodathi with CSGRC, Hosur)

The CI presented the progress of the project. He was advised to optimize different phytohormones for development of anther somatic embryogenesis.

[Action: Shri. Raju Mondal, Sc-B]

- 8) **AIE-06002MI: Evaluation of bivoltine silkworm genetic resources for tolerance to abiotic stress in selected hotspots** (Collaboration with SBRL, Kodathi, CSR&TI, Mysuru, Berhampore & Pampore)

The PI presented the progress of the project. The Committee suggested to include the budget and expenditure of the collaborative institutes in the presentation.

[Action: Dr. M.Maheswari, Sc-D]

- 9) **AIE-06003-SI Evaluation of silkworm genetic resources of *Bombyx mori* L. with reference to inbreeding depression and their conservation**

The PI presented the progress of the project. It was suggested to consult Dr. Manjunatha Gowda, RAC member, GKV and statisticians at Central Office to discuss the method for analysis of inbreeding depression.

[Action: Dr. M.Maheswari, Sc-D]

- 10) **AIT-06006MI Marker-assisted screening to identify silkworm genetic resources tolerant to BmNPV and BmBDV** (Collaboration with SSTL, Kodathi)

The PI presented the progress of the project. The committee advised the PI to seek suggestions of the RAC regarding the use of appropriate markers for screening for BmNPV tolerance.

[Action: Dr. Ritwika Sur Chaudhuri, Sc-C]

- 11) **Molecular characterization and assessment of genetic diversity in silkworm *Bombyx mori* L** (Collaboration with SBRL, Kodathi)

The PI presented the progress of the project. It was suggested to prepare the tender document for Sequencing and budget expenditure has to be taken care as per the milestone.

[Action: Dr. G. Lokesh, Scientist-D]

ITEM NO. VIII: DISCUSSION ON GENERAL COMMENTS/ SUGGESTION OF RC

1. With regard to extension of the project PIE 06001SI, a letter containing all the points discussed during the meeting justifying the need for extension of the project and reply in line with the queries raised by the RCS, should be prepared and submitted to RCS, Central Office at the earliest.

[Action: Dr. G. Thanavendan, Sc-C & Head, Mulberry Division]

2. Indent for purchase of materials required for replacement of torn nets of the nethouse should be submitted at the earliest.

[Action: Dr. G. Thanavendan, Sc-C & Dr. M.C.Thriveni, Sc-B]

3. Atleast one popular article and one research article should be published each from Mulberry and Silkworm Division latest by 31.12.2021.

[Action: All scientists]


4. Feedback on germplasm material supplied in the last 3 years should be collected and further supply should not be effected to non-complying research institutes/individuals.

[Action: Smt. G. Punithavathy, Sc-D; Dr. G. Thanavendan, Sc-C]

5. Division-wise dead stock articles list should be prepared and submitted to the undersigned on or before 31.08.2021.

[Action: All scientists]

The meeting ended with thanks to the Chair.


Director & Chairman
Research Council

**LIST OF PARTICIPANTS FOR THE 65TH RESEARCH COUNCIL MEETING OF CSGRC
CONVENED ON 18/08/2021**

1. Dr. B.T.Sreenivasa, Director & Chairman, Research Council, CSGRC, Hosur
2. Dr. M. Maheswari, Scientist -D & Head, Silkworm Division
3. Dr. G. Ravikumar, Scientist-D & Head, Mulberry Division
4. Smt. G. Punithavathy, Scientist – D
5. Dr. Jameela Khatoon, Scientist – D
6. Dr. G. Lokesh, Scientist-D
7. Dr. Ritwika Sur Chaudhuri, Scientist - C
8. Dr. G. Thanavendan, Scientist - C
9. Shri. Raju Mondal, Scientist - B
10. Dr. M.C. Thriveni, Scientist-B
11. Smt. K. Gayathri, Asst Director (A & A)
12. Shri. S.Sekar, Asst. Director (Comp)
13. Ms. Sreya Antony, JRF
14. Ms. Madhurya, Project Assistant
15. Mr. S. Srinivasan, Project Assistant
16. Ms. Shabana Banu, Project Assistant
17. Mr. P. Narasimhan, Project Assistant