

**PROCEEDINGS OF THE 70TH RESEARCH COUNCIL MEETING OF CSGRC
HELD ON MARCH 9TH, 2023**

The 70th Research Council meeting of CSGRC, CSB, Hosur was convened on 9th March, 2023 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 and the progress of research projects from December, 2022 to February, 2023 was reviewed. List of participants is appended at Annexure I.

ITEM NO. I: CONFIRMATION OF THE MINUTES OF THE 69TH RC MEETING HELD ON 28TH DECEMBER, 2022

The minutes of the 69th RC meeting was confirmed since no comments were received.

ITEM NO. II: REVIEW OF FOLLOW-UP ACTION ON THE DECISIONS OF 69TH RC MEETING

Action taken on the decisions of the 69th RC meeting held on 28th December, 2022 was reviewed and following decisions were arrived at:

1. Each scientist may contribute towards publication as first author immediately so as to award grading in APAR appropriately.

[Action: All Scientists]

2. The scientist may contact Prof. Krishnamurthy, Fodder Research, TNAU, Mettupalayam for collaboration with CSGRC.

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

ITEM NO. III: REVIEW OF FOLLOW-UP ACTION ON THE DECISIONS OF 43RD RAC MEETING

1. RCS Section, CO, may be contacted for obtaining approval of the revised mandate of CSGRC.

[Action: Head, PMCE Division]

2. Correspondence may be made with Central Office requesting for posting of one more scientist to CSGRC, Hosur.

[Action: AD (Comp) & PMCE Division]

3. The meeting for revising/relooking into the silkworm germplasm collection is to be convened at the earliest.

[Action: Head, Silkworm Division]

4. The concept note on Whole genome sequencing of *M. laevigata* may be revised and submitted to RCS immediately.

[Action: All scientists, Mulberry Division]

5. The detailed procedure involved in registration of trait-specific mulberry germplasm may be presented in the upcoming RAC.

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

ITEM NO. IV: PROGRESS OF ONGOING RESEARCH PROJECTS (SEP-NOV, 2022)

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

The PI presented the progress of the project. PI was suggested to include justification for low budget utilization in the final report.

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

2) 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. The house took note of the same.

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

3) AIT-06006 MI: 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 house took note of the same.

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

4) AIG-06007 MI: Molecular characterization and assessment of genetic diversity in silkworm *Bombyx mori* L (Collaboration with SBRL, Kodathi)

The PI presented the progress of the project. The Committee recommended to include Shri. Raju Mondal, Scientist-C as Co-Investigator w.e.f 01.03.2023 in the project in place of Dr. G. Ravikumar, Scientist-D who retired from CSB services.

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

5) PIE-06008SI: Exploration, Collection, Characterization, Evaluation, Re-establishment, Conservation and Supply of mulberry genetic resources (X phase)

The PI presented the progress of the project. The house took note of the same.

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

6) AIE-06009 SI: Collection, Characterization, Evaluation, Conservation and Utilization of Silkworm Genetic Resources (X-phase)

The PI presented the progress of the project. The Committee suggested that a PI may be included for the digitization sub-project and the details of the sub-project to be clearly mentioned in the MIS document.

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

5) ITEM NO. V: OUTCOME OF THE CONCLUDED RESEARCH PROJECTS

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

The PI presented the outcome of the project and informed that the final report of the project was submitted to C.O. The Committee suggested the PI to present the final report of the project in the upcoming RAC.

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

2) 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 to present analysed data in the upcoming RAC and to include justification for low budget utilization in the final report.

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

ITEM NO.VI: NEW RESEARCH CONCEPTS

1) Studies on cytological status of mulberry genetic resources- Phase-II

The PI presented the concept note. The committee suggested the PI to modify the title as "Cytological studies to identify ploidy-associated traits in mulberry genetic resources". A CI may be included from the institute. One microtome may be proposed for the work. The concept note was approved with modifications and the PI was suggested to submit the same to RCS for preliminary clearance.

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

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

1. Revenue generation may be updated on a quarterly basis and included in the upcoming RAC presentations.

[Action: Shri. S. Sekar, AD (Comp)]

2. Processing for procurement of FYM may be expedited.

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

3. Official correspondence may be made with CPWD giving feedback and to review the toilet renovation work.

[Action: Shri. S. Sekar, AD (Comp) & Shri Narendra B, Lib & Info Asst.]

4. A reminder may be sent to CPWD for obtaining estimate for sanitary pipeline works.

[Action: Shri. S. Sekar, AD (Comp) & Shri Narendra B, Lib & Info Asst.]

5. The scientist may contact CSR&TI, Mysore to obtain information on appropriate fungicides and pesticides for application at CSGRC.

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

6. Dr. M.C. Thriveni, Sc-C was suggested to prepare and present a relevant concept note in the upcoming RAC meeting.

[Action: Dr. M.C. Thriveni, Scientist-C]

The meeting ended with thanks to the Chair.


DIRECTOR

**LIST OF PARTICIPANTS FOR THE 70TH RESEARCH COUNCIL MEETING OF CSGRC
CONVENED ON 09/03/2023**

1. Dr. B.T.Sreenivasa, Director & Chairman, Research Council, CSGRC, Hosur
2. Dr. M. Maheswari, Scientist -D & Head, Silkworm Division
3. Smt. G. Punithavathy, Scientist-D & Head, Mulberry Division
4. Dr. G. Lokesh, Scientist-D
5. Dr. Ritwika Sur Chaudhuri, Scientist-C
6. Dr. G. Thanavendan, Scientist - C
7. Dr. M.C. Thriveni, Scientist-C
8. Shri. Raju Mondal, Scientist - C
9. Shri. S. Sekar, AD (Comp)
10. Shri. B. Narendrakumar Mohrilal, Lib. & Info Asst.