

**PROCEEDINGS OF THE 74TH RESEARCH COUNCIL MEETING OF CSGRC
HELD ON MARCH 23, 2024**

The 74th Research Council meeting of CSGRC, CSB, Hosur was convened on 23rd March, 2024 chaired by Dr. V. Nishitha Naik, Director, CSGRC, Hosur. The meeting was initiated by welcoming all participants and advised all scientists to work as per the milestones of their projects. With this, item-wise discussion was taken up and the progress of research projects from January, 2024 to March, 2024 was reviewed. List of participants is appended at Annexure 1.

ITEM NO. I: CONFIRMATION OF THE MINUTES OF THE 73RD RC MEETING HELD ON 19TH DECEMBER, 2023

The minutes of the 73rd RC meeting was confirmed since no comments received.

ITEM NO. II: REVIEW OF FOLLOW-UP ACTION ON THE DECISIONS OF 73RD RC MEETING

Action taken on the decisions of the 73rd RC meeting held on 19th December, 2023 was reviewed and following decisions were arrived at:

1. The task of auditorium Upgradation is to be expedited. The items to be purchased may be listed out by the Committee and to ascertain the inclusion of such items in the Annual Action Plan 2024-25. The proposal may be sent to CO for administrative approval at the earliest.

[Action: Auditorium Committee]

2. Equipments/articles costing below Rs 1 lakh, where obtaining unserviceable certificate is not possible by third party, a Scientific Committee including JE is to be constituted for declaring the items as unserviceable with suitable justifications.

[Action: Divisional Heads & Committee members]

3. Each scientist has to publish minimum 2 research articles in a year- one in National / International peer-reviewed journals and one popular article.

[Action: All scientists]

4. Each scientist has to attend atleast one conference in the year 2024-25.

[Action: All scientists]

5. Termite/Stemborer incidence can be recorded in summer season as well and the seasonal incidence data may be compiled.

[Action: Head, Mulberry Division]

6. Scientists presenting papers in Seminars/conference have to submit a copy of the published abstract to PMCE before proceeding for the event.

[Action: All scientists]

7. Scientists only attending seminars/conference/workshops should provide the details of the conference to PMCE without fail.

[Action: All scientists]

8. An action plan may be prepared for making short video documentary.

[Action: All scientists & Shri. S. Sekar, Ad (Comp)]

9. The guest lecture series may be organized by inviting experts on the following topics:

- a. Biostatistics
- b. Bioinformatics
- c. By-product utilization
- d. Tree breeding research
- e. Mechanization in sericulture
- f. Non-textile applications of silk

[Action: All scientists & Concerned Committees]

10. Monthly progress reports to be submitted on 23rd of every month and quarterly progress reports by 26th of June, September, December & March.

[Action: All scientists]

ITEM NO. III: STATUS OF NEW PROJECT CONCEPTS/PROPOSALS

Concept Note 1: Studying the effect of organic formulations on growth, yield and biotic stress tolerance in mulberry

The committee suggested all scientists and Divisional Head of mulberry division to finalize the selection of accessions and designing of the experiments within a week's time. Title of the proposal needs to be modified. With these suggestions, the concept note was approved with modifications and advised the scientist to submit the same to CO for preliminary clearance.

[Action: Dr. M. Nandan & all other scientists & Head of Mulberry Division]

Research Project 1: Characterization, evaluation and phytochemical investigations of promising mulberry fruit yielding accessions

The PI informed the house that project approval is awaited from CO. The same was noted.

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

ITEM NO. IV: REVIEW OF PROGRESS OF ONGOING RESEARCH PROJECTS (JANUARY-MARCH, 2024)

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

The Committee suggested the PI to obtain approval for including Dr. Nandan M. as co-investigator of the project. Budget utilization % needs to be mentioned in the presentation.

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

2) PIG-06010SIC: Studies of cytological status of mulberry genetic resources to identify ploidy-associated traits

The committee advised the PI to observe the variations in ploidy-associated traits under irrigated and drought conditions.

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

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

The House suggested the PI to complete the proposed work within the project period. A review meeting can be arranged by inviting Bionivid personnel to assess the progress of the sequencing.

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

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

The committee advised Smt. Punithavathy, Sc-D to properly evaluate the new silkworm genetic stocks and compare the traits with the existing germplasm before adding the stocks to germplasm. She may finalize the number of images to be captured for digitization in consultation with all scientists of Silkworm Division, prepare a report and submit the same to the undersigned by first week of April, 2024. As per milestone, images of 150 silkworm accessions to be completed by end of 2nd year. Background and lighting conditions to be kept uniform while capturing images.

[Action: Smt. G. Punithavathy, Sci-D & all scientists, Silkworm Division]

5) MTL-01025MI: Life cycle assessment of mulberry silk: A national assessment

The house suggested improving the budget utilization under the project.

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

ITEM NO. V: REVIEW OF CONCLUDED RESEARCH PROJECTS (JANUARY-MARCH, 2024)

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

The PI presented the final report of the project. The Committee suggested the PI to prepare a new proposal on pre-breeding evaluation from the findings of this study.

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

ITEM NO. VI: DISCUSSION ON GENERAL OBSERVATIONS/RC SUGGESTIONS

1) A demonstration session on operation of DSLR camera may be organized for the purpose of digitization of silkworm database.

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

ITEM NO. VII: ANTY OTHER POINTS WITH THE PERMISSION OF THE CHAIR

1) Content for Annual report of CSGRC 2023-24 may be submitted to PMCE on or before 30th April, 2024. Divisional heads to ensure strict adherence to deadlines and verify the report thoroughly before forwarding the same to PMCE.

[Action: All scientists]

2) The action taken reports should be brief, suitably justified and quantified. Follow-up action for general points to be provided.

[Action: All scientists]

The meeting ended with thanks to the Chair.


30/3/24
DIRECTOR

**LIST OF PARTICIPANTS FOR THE 74TH RESEARCH COUNCIL MEETING OF CSGRC
CONVENED ON 23/03/2024**

1. Dr. V. Nishitha Naik, Director & Chairman, Research Council, CSGRC, Hosur
2. Dr. M. Maheswari, Scientist -D & Head, Silkworm Division
3. Dr. N. Sakthivel, Scientist-D & Head, Mulberry Division
4. Smt. G. Punithavathy, Scientist-D
5. Dr. G. Lokesh, Scientist-D
6. Dr. Ritwika Sur Chaudhuri, Scientist-C
7. Dr. G. Thanavendan, Scientist - C
8. Dr. M.C. Thriveni, Scientist-C
9. Shri. Raju Mondal, Scientist - C
10. Dr. M. Nandan, Scientist-B
11. Shri. S. Sekar, AD (Comp)