

केन्द्रीय रेशम जननद्रव्य संसाधन केन्द्र, केन्द्रीय रेशम बोर्ड, होसूर - 635 109  
Central Sericultural Germplasm Resources Centre  
Central Silk Board, Hosur – 635 109

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**PROCEEDINGS OF THE 61<sup>ST</sup> RESEARCH COUNCIL MEETING OF CSGRC HOSUR  
HELD ON 11<sup>th</sup> April 2019**

The 61<sup>st</sup> Research Council meeting of CSGRC, CSB Hosur was convened on 11<sup>th</sup> April 2018 chaired by Dr.R.K.Mishra, Director (Addl. Charge), CSGRC, Hosur. At the outset, the Director welcomed all participants and initiated the meeting with discussions on the arrangements for the forthcoming meeting scheduled to be held on 30<sup>th</sup> April 2019 to formulate strategies for efficient conservation of germplasm resources at CSGRC Hosur. List of participants is appended at Annexure I. It was decided to address a letter to Dr.H.B.Mahesh, Asst. Prof., GKVK UAS Bangalore inviting him to give a lecture on "Molecular marker and its utilization in germplasm maintenance". The Director advised all participants to initiate action on the arrangements to be made for the meeting including transportation and accommodation for outside invitees.

With the above remarks, the Director took up the meeting as per the agenda.

**Item No. 1: Confirmation of the minutes of the 60<sup>th</sup> RC meeting held on 26<sup>th</sup> July, 2018**

Since no comments were received, the minutes of the 60<sup>th</sup> RC were confirmed.

**Item No. 2: Review of follow-up action on the decisions of the 60<sup>th</sup> RC meeting meeting**

Agenda item-wise action taken on decisions of the 60<sup>th</sup> RC meeting held on 26<sup>th</sup> July 2018 presented by Dr. D.S. Somaprakash, Scientist-D was reviewed. Following decisions were arrived.

- A letter may be addressed to KSSRDI, Thalaghattapura regarding requirement of the silkworm accession KS-10 from the Institute and scientist may visit the centre to collect the said accession along with passport data for maintenance at this centre by May 2019.

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

- With regard to obtaining fruiting mulberry varieties grown in Thailand, the same may be discussed with Dr.S.B.Dandin, Director (Retd.), CSB in the forthcoming meeting scheduled on April 30<sup>th</sup> 2019 at this centre.

**[Action: Dr.S.Masilamani, Scientist-D]**

- The data on morphological characterization of leaf parameters obtained using “open software” and that collected manually to be compared and the inference report to be submitted by first week of June 2019.

**[Action: Dr.G.Thanavendan, Scientist-B]**

- Estimate to be obtained for repair of “Introduction Block” for revival of silkworm quarantine facilities and the budget to be included in the revised Action Plan for 2019-20 to be submitted to CO, CSB, Bangalore.

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

- Report on the performance of multivoltine silkworm accessions that reveal larval duration shorter than Nistari to be prepared and submitted by first week of June 2019 for sending to all institutes for information and further needful / utilization by them.

**[Action: Smt.G.Punithavati, Scientist-D]**

- The issue of DNA profiling of silkworm accessions to be discussed with Dr.H.B.Mahesh, GKVK Bangalore during the forthcoming meeting scheduled on April 30<sup>th</sup> 2019 at this centre.

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

- A proposal to be prepared regarding celebration of CSGRC foundation day after ascertaining the date of establishment for finalization.

**[Action: Dr.Geetha N. Murthy, Scientist-D, P MEC]**

### **Item No. 3: Review of follow-up action on the decisions of the 37<sup>th</sup> RAC and 62<sup>nd</sup> RCC meetings**

Follow-up actions on the decisions of the two meetings were reviewed.

### **Item No. 4: Formulation of new project concepts**

- Formulation of project on molecular characterization of silkworm accessions to be discussed with Dr.H.B.Mahesh, GKVK Bangalore during the forthcoming meeting scheduled on April 30<sup>th</sup> 2019 at this centre.

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

- Dr.M.C.Triveni, Scientist-B presented the new concept on molecular characterization of mulberry genetic resources. She was advised to check published research articles and also consult scientists of other institutes like IIHR, NBPGR, etc. who are working on the same lines to fine tune the project details. The work plan should be clear indicating parameters to be considered, methodology. The project concept was agreed in principle with a suggestion to finalize the components for preparation of full-fledged project after discussions on the same in the forthcoming meeting



scheduled on April 30<sup>th</sup> 2019 at this centre. Inclusion of one ice making machine was agreed to be included in the project proposal.

- Dr.Triveni also informed the digital herbarium prepared for 200 mulberry accessions which was appreciated with an advice to get the same printed in the form of a book and also upload in the website.

**[Action: Dr.M.C.Triveni, Scientist-B]**

- Shri Raju Mondal, Scientist-B presented the new concept on identification of ploidy status of mulberry genetic resources explaining the preliminary work carried out. It was suggested to standardize the time of sample collection and fixation as the same are very crucial for chromosome observations. He was also advised to take utmost care while handling chemicals for the study as they are known to be carcinogenic. The Committee approved the project concept and advised to formulate the full fledged project incorporating the suggestions for sending to referees.

**[Action: Shri Raju Mondal, Scientist-B]**

#### **Item No. 5: Status of new project proposals**

- Two new projects were approved and code allotted by CO, CSB. Progress of the same was presented by the respective PIs which were as per milestones.

#### **Item No. 6: Outcome of concluded project**

- One project on evaluation of core set of mulberry germplasm for physiological efficiency and leaf quality was concluded. Dr.G.Thanavendan, Scientist-B and PI presented the outcome of the project. The Director advised to prepare presentations indicating the outcome against objectives, constraints if any, and future utilization of the outcome. The final report should indicate the same and role of major parameters contributing to leaf yield with correlation of the parameters to leaf yield to be highlighted. The PI was advised to submit the final report to CO, CSB Bangalore after presenting to the RAC.

**[Action: Dr.G.Thanavendan, Scientist-B]**

#### **Item No. 7: Progress of ongoing research projects**

- The respective PIs presented progress of projects and the same are progressing as per milestone.
- The Committee approved concluding of the project on mulberry functional traits by May 2019 as data for one more crop is to be recorded.

**[Action: Dr.S.Masilamani, Head]**

- With regard to projects on evaluation of multivoltine and bivoltine germplasm to identify promising parental genetic resources under progress at various centres, the

PIs were advised to present cumulative result of all completed trials against check with clear conclusion.

**[Action: Dr.M.Maheswari & Smt. G.Punithavati, Scientists-D]**

- While reviewing the progress of the project on genetic enhancement of mulberry through genomic approaches, the PI was advised to be clear on the work component of CSGRC Hosur. Further, the Director advised to refrain from taking up collaborative projects of other institutes wherein the role of the centre is limited to only supply of accessions. In all collaborative projects, the roles of respective institutes should be clearly spelt in the projects.

**[Action: Dr.G.Thanavendan, Scientist-B; Dr.Geetha N. Murthy, Scientist-D]**

- The progress on conservation of silkworm accessions was presented and the Committee was apprised of the new accessions collected from CSR&TI Berhampore. Since no passport data were received from CSR&TI Berhampore, it was advised to once more write to the Institute for the same. In case no response is received, a letter may be written to CO, for its intervention.

**[Action: Dr.M.Maheswari, Scientist-D, Silkworm Division]**

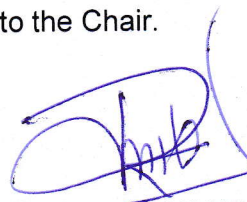
- With regard to formulating projects on post cocoon aspects, the Director advised to prepare project concepts on the same in collaboration with institutes depending on the requirement of the industry.

**[Action: Dr.Jameela Khatoon, Scientist-D, Post cocoon section]**

**Item No. 8: Any other points with permission of the Chair**

- Dr.Vijayan emphasized on submission of quarterly progress reports as per deadline.
- All scientists were advised to prepare project concepts so that each scientist has at least one project as PI, based upon the guidelines issued by the CO.

Concluding the deliberations, the meeting ended with thanks to the Chair.



**DIRECTOR & CHAIRMAN  
RESEARCH COUNCIL  
CSGRC HOSUR**

**Annexure**

**List of participants for the 61<sup>st</sup> Research Council Meeting of CSGRC, Hosur convened on 11/04/2019**

1. Dr. R.K. Mishra, Director (Addl. charge), CSGRC, Hosur
2. Dr.K.Vijayan, Scientist-D, Central Silk Board, Bengaluru
3. Dr.D.S.Somaprakash, Head, Silkworm Division, CSGRC, Hosur
4. Dr.S.Masilamani, Head, Mulberry Division, CSGRC, Hosur
5. Dr. Geetha N. Murthy, Scientist D, CSGRC, Hosur
6. Dr. M. Maheshwari, Scientist D, CSGRC, Hosur
7. Dr. Jameela Khatoon, Scientist D (R&S), CSGRC, Hosur
8. Ms.G.Punitavathi, Scientist D, CSGRC, Hosur
9. Dr. G. Lokesh Scientist C, CSGRC, Hosur
10. Dr. G. Thanavendan, Scientist B, CSGRC, Hosur
11. Shri S. Sekar A.D (Comp), CSGRC, Hosur
12. Dr.M.C.Triveni, Scientist B, CSGRC, Hosur
13. Shri Raju Mondal, Scientist B, CSGRC, Hosur