MINUTES OF THE 52nd RESEARCH COUNCIL (RC) MEETING OF CSB-CSR&TI, PAMPORE HELD ON 08 April, 2023

The 52nd Research Council meeting of CSR&TI, Pampore, held on 08.04.2024 at CSB-CSR&TI, Pampore through hybrid mode under the Chairmanship of Dr. N. K. Bhatia, Director, of the Institute. At the outset, Dr. Irfan Illahi Sci-D & In-Charge PMCE, welcomed the Chairman, RC and all the scientists of CSR&TI, Pampore & nested units. Thereafter agenda-wise discussions were taken up. List of participants attended the meeting is appended in Annexure-I.

AGENDA NO. 1: Confirmation of 51st RC meeting minutes held on 09.10.2023

As no comments were received from any corner, the meeting minutes were confirmed.

AGENDA NO. 2: Follow up action on the decisions of 51st RC meeting minutes held on 09.10.2023

#	Decision / Suggestion	Follow up Action taken
1.	"Increasing cocoon production by developing low productive farmers of Kashmir, J&K" PI was advised to submit the concept note within 15 days after revision of title and objectives. (Action Dr. Irfan Illahi, Scientist- D, CSB-CSR&TI, Pampore).	Title was revised as per the suggestions of 51st RC as: "***Improvement of cocoon productivity through diffusion of technologies in temperate sericulture of Jammu & Kashmir***".

Agenda No. 3: New Concept notes of research projects for approval: 09

1. Decoding the landscape genomics of *Bombyx mori* adaptation under climatic pressures.
   Decision: - Approved:
   - Races should not be selected on theoretical basis. Most adapted races under seed production channel should be taken into consideration.
   - Title & Budget of the concept note should be revised.
   - Landscape variation in the sampling areas should be identified.
   - PI was advised to submit the revised concept note with the suggested modifications.

   (Action: Dr Shivam Bhardwaj, Scientist-B, CSB-CSR&TI, Pampore)
2. Impact of climatic variation on carbon sequestration and quality of mulberry leaves.
   Decision:- Approved:
   - Title of the concept note should be revised.
   - Biological carbon sequestration and total biomass should be taken into consideration.
   - PI was advised to submit the revised concept note.

   (Action: Dr Plabani Roy, Scientist-B, CSB-CSR&TI, Pampore)
3. Identification of zinc sulphur solubilising Bacteria: A soil reclamation approach for sustainable sericulture in Kashmir region.
   Decision:- Approved:
   - PI was advised to submit the concept note.

   (Action: Sh S. Syam, Scientist-B, CSB-CSR&TI, Pampore)
4. Microbial population dynamics of silkworm gut: A novel study in Kashmir valley.
   Decision:- Approved:
   - Methodology for identification of beneficial bacteria from silkworm gut may be clearly presented.
   - PI was advised to submit the revised concept note.

   (Action: Sh S. Syam, Scientist-B, CSB-CSR&TI, Pampore)

5. Profiling morpho-physiological traits in mulberry sexual variants across diverse climatic zones of Northwest India.

Decision:- Approved:

- Title of the concept note should be revised.
- Studies should be carried out in North-west India only.
- PI was advised to submit the revised concept note.

(Action: Dr Basanagouda Gonal, Scientist-B, CSB-CSR&TI, Pampore)

6. Screening of germplasm of the mulberry silkworm *Bombyx mori* L. for high temperature and high humidity tolerant under sub-tropical condition of North-West India.

Decision:- Not Approved:

(Action: Dr Sunil, Scientist-B, CSB-RSRS, Jammu)

7. Insect pest complex of mulberry *Morus alba* from Jammu region.

Decision:- Not Approved:

(Action: Dr Sunil, Scientist-B, CSB-RSRS, Jammu)

- Dr Sunil, Scientist-B was advised to submit a fresh concept note based on gaps from previous research projects.

8. Profiling of Transcriptome Variation in SH6×NB4D2 and FC1×FC2 silkworm hybrid in spring vs. Autumn rearing under subtropical condition.

Decision:- Approved:

- Scientist should justify selection of hybrids instead of parents/Pure lines.
- Pupation rate is the most indicating factor and should be taken into consideration instead of pupal weight.
- PI was advised to submit the revised concept note.

(Action: Dr Sakshi Vaishnav, Scientist-B, CSB-RSRS, Sahaspur)

9. Bioprospecting of antimicrobial activity of botanicals against disease of mulberry silkworm *Bombyx mori* L. for eco-friendly management in North-West India.

Decision:- Approved:

- PI was advised to submit the revised concept note as per advice.

(Action: Dr Arasakumar E., Scientist-B, CSB-RSRS, Sahaspur)

Agenda No. 4: Review on concluded projects: 04

#	Project code & Title	Suggestions/Descisions
1.	AIB03007SI: Development of autumn specific bivoltine silkworm Bombyx mori L. suitable for temperate region of Jammu & Kashmir. **(Action: Sh N. Bharath Kumar Scientist-C, CSB-CSR&TI, Pampore)**	• Project was presented before the house. • Progress was found satisfactory
2.	AIB03008SI: Development of nutrigentic hybrids of bivoltine silkworm, Bombyx mori L. under sub-tropical conditions of North West India. **(Action: Dr Kiran R.Scientist-C, CSB-CSR&TI, Pampore)**	• Project was presented before the house. • PI was advised to submit the concluded report.
3.	MOE03010SI: Evaluation of improved mulberry silkworm hybrids and technologies for North & North West India. **(Action: Dr Sardar Singh, Scientist-C, , CSB-RSRS, Sahaspur)**	• Project was presented before the house. • PI was advised to submit the concluded report.
4.	MOT03011MI: Popularization of Mulberry Sericulture in Kargil (Ladakh UT) **(Action: Dr P. Kumaresan Scientist-C, CSB-CSR&TI, Pampore)**	• Project was presented before the house. • PI was advised to submit the concluded report.

Agenda No. 5: Review of progress of ongoing projects:

Progress of ongoing projects (including the projects where institute is CI) were reviewed and the following suggestions were made.

1. **AIB03006CI: Indo-Uzbekistan Collaborative Research Project on Improvement of Mulberry and Silkworm Breeding in Temperate Regions of India and Uzbekistan.**

- House suggested that, sharing the genetic material may be speeded up as soon as exemption approval from NBA Chennai will be received.

(Action: Dr N. K. Bhatia PI & CI's of AIB03006CI)

2. **PIE03012SI: Evaluation of mulberry somatic hybrids.**

- House suggested ensuring the progress as per milestones.

(Action: Dr. Gulab Khan Rohela, Scientist-C, CSB-CSR&TI, Pampore)

3. **PIC03014SI: Evolving superior mulberry varieties for temperate region through in vitro mutagenesis.**

- Progress of the project found as per milestone

(Action: Dr. Gulab Khan Rohela, Scientist-C, CSB-CSR&TI, Pampore)

4. **PIE 030016 SIC: Primary Yield Trial (PYT) of newly evolved mulberry hybrids under temperate conditions of Kashmir Valley.**

- House suggested ensuring the progress as per set milestones.

(Action: Dr. Pawan Saini, Scientist-C, CSB-CSR&TI, Pampore)

5. **PIE03009SI: Evaluation of mulberry genotypes for improvement in productivity and quality under sub- tropical conditions of Jammu.**

- Progress as per project milestones.

(Action: Dr. Santoshkumar Magdum, Scientist-C, CSB-RSRS, Jammu)

6. **PIB03013SI: Development of high yielding quality mulberry (Morus spp.) genotypes under sub-tropical conditions of Northern India.**

- Progress of the project found as per milestone

(Action: Dr. Santoshkumar Magdum, Scientist-C, CSB-RSRS, Jammu)

7. **PIE 03015 SIC : Evaluation of drought tolerant mulberry genotypes through preliminary yield trial for rainfed sericulture in Jammu region.**

- House suggested ensuring the progress as per set milestones.

(Action: Dr. Santoshkumar Magdum, Scientist-C, CSB-RSRS, Jammu)

8. **PIE13001MI: All India Coordinated Experimental Trials for Mulberry (AICEM) Phase-IV.**

- Progress of the project found as per milestone.

(Action: All Co-PI/CIs of AICEM Phase IV)

9. **MTL01025MI: Life cycle assessment of Mulberry Silk-A National Assessment.**

- Co-PI was advised to ensure the progress as per project milestones

(Action: Dr. Kiran R, Scientist-C, CSB-CSR&TI, Pampore)

10. **ARE01029MI: Recommendation of novel fungicidal and insecticidal applications for mulberry**
    - Co-PI was advised to ensure the progress as per project milestones

(Action: Dr. Pawan Saini, Scientist-C CSB-CSR&TI, Pampore)

11. **AIB02019MI: Development of bivoltine hybrids with higher productivity and high temperature & humidity tolerance through Marker assisted selection.**
    - Co-PI was advised to ensure the progress as per project milestones

(Action: Dr. Kiran R Scientist-C, CSB-CSR&TI, Pamopre)

12. **MTS13002MI: Impact assessment of mulberry sericulture technologies in India.**
    - Co-PI was advised to ensure the progress as per project milestones and speeding up the collection of desired data as per the milestones and project documents.

(Action: Dr. Ashok Kumar Kasukurthi, Scientist-D, CSB-CSR&TI, Pampore)

13. **SIB01038MGC: Utilization of Japanese Silkworm genetic resources for the development of productive Bivoltine hybrids.**
    - House suggested ensuring the progress as per set milestones.
    - House suggested starting the process of recruitment of PA in time.

(Action: Sh P. Kumaresan, Scientist-D, CSBCSR&TI, Pampore)

14. **MOE02022MIC: Vulnerability of Sericulture to Climate Change in India.**
    - House suggested to ensure the progress as per set milestones.
    - House suggested to start the process of recruitment of PA.

(Action: Dr Plabani Roy,Scientist-B, CSB-CSR&TI, Pampore)

15. **MOE02015MI: Evaluation of Promising Mulberry Varieties, Bed Disinfectant and Low cost drip irrigation system for eastern and North-Eastern India [Component II: Evaluation of high yielding and low stress tolerant mulberry varieties C-01 & C-11].**
    - Monthly and quarterly progress of this project may be submitted regularly from RSRS Sahaspur & Jammu.

(Action: Dr. Santosh Magdum, CSB-RSRS, Jammu & Sh. Chattar Pal,CSB- RSRS, Sahaspur)

Agenda No. 6: Trial of Technologies (OSTs/ OFTs):

Agenda No. 7: Extension (ECP) And Other Programmes:

- Target for the year 2024-25 may be completed well in advance as per action plan

(Action: Dr. Ashok Kumar Kasukurthi, SEEM Division, CSRTI, Pampore)

Agenda No. 8: Training (CBT) and other programmes:

- Target for the year 2024-25 may be completed well in advance as per action plan

(Action: Dr. Shivam Bhardwaj, Training Division, CSRTI, Pampore)

AGENDA NO. 9: DISCUSSION ON GENERAL COMMENTS / SUGGESTIONS OF RC/RAC

- All PI/CIs were advised to update the project registers with regard to budget utilization & timely purchase of chemicals, approval letter, meetings attended, decision of the meetings and tour programme and project registers may got signed by In-charge of the station/institute and should also be compared with the accounts section.
- Every concluding project should publish a paper in Indian Silk (journal).

- All the research should be supported in terms of statistics.
- The budget should be kept for the projects in such a manner that the maximum budget should be utilized during the project work.
- Director CSR&TI, Pampore will have review meeting of the projects after every fortnight (on 5th and 20th of every month).
- Newly joined scientists were advised to conduct silkworm rearing of two dfls each right from incubation to harvesting to get well know how of the rearing process.
- Speeding-up the procurement process of scientific equipments, glassware, Chemical, computer, laptops etc. required under different Institute's Projects with the help of Dr. Pawan Saini, Sc-C and Assistant Director (Com).

(Action: All the scientists of CSB-CSRTI, Pampore, CSB-RSRS, Sahaspur &CSB- RSRS, Jammu and all the concerned)

The meeting was ended with a vote of thanks to the Chair.

Date: 15.04.2024

Dr N. K. Bhatia
Director & Chairman RC
CSB-CSR&TI, Pampore

Annexure-I

LIST OF PARTICIPANTS:

Physical Mode:

1. Dr. N.K.Bhatia, Director, CSB-CSR&TI, Pampore
2. Dr. Ashok Kumar Kasukurthi, Scientist-D, CSB-CSR&TI, Pampore
3. Dr. Irfan Illahi, Scientist-D, CSB-CSR&TI, Pampore
4. Sh. P. Kumaresan, Scientist-D, CSB-CSR&TI, Pampore
5. Dr Rajesh Kumar, Scientist-D, CSB-P4, BSF, Manasbal
6. Dr. Pawan Saini, Scientist-C, CSB-CSR&TI, Pampore
7. Dr. Gulab Khan Rohela, Scientist- C, CSB-CSR&TI, Pampore
8. Sh. Bharath Kumar, Scientist-C, CSB-CSR&TI, Pampore
9. Dr.Kiran R, Scientist-C, CSB-CSR&TI, Pampore
10. Dr. Plabani Roy, Scientist-B, CSB-CSR&TI, Pampore
11. Dr. Shivam, Bhardwaj, Scientist-B, CSB-CSR&TI, Pampore
12. Sh S.Syam, Scientist-B, CSB-CSR&TI, Pampore
13. Dr.Basanagouda, Gonal, Scientist-B, CSB-CSR&TI, Pampore
14. Dr. Sunil, Scientist-B, CSB-RSRS, Jammu
15. Sh Saadat Hamid Khan, Deputy. Dir. (Insp.) CSB-CSR&TI, Pampore
16. Sh. Ashok Kumar Saini, A.D. (Comp.), CSB-CSR&TI, Pampore
17. Smt. Jameela Akther, Field Assistant, CSB-CSR&TI, Pampore
18. Smt., Nida Mushtaq ,Field Assistant, CSB-CSR&TI, Pampore

Virtual mode:

1. Dr. Sardar Singh, Scientist-D, RSRS, Sahaspur.
2. Dr. Santosh Kumar Magdum, Scientist-D, RSRS, Jammu.
3. Sh Chattar Pal, Scientist-C, RSRS, Sahaspur.
4. Dr Sakshi Vaishnav, Scientist-B, RSRS, Sahaspur.
5. Dr Arsakumar E, Scientist-B, RSRS, Sahaspur.