

Minutes of 61st meeting of Research Council held on 05.07.2022 at CSR&TI Berhampore, West Bengal

The 61st Research Council (RC) meeting of CSR&TI-Berhampore was held on 5th July, 2022 under the Chairmanship of Dr. Kishor Kumar CM, Director, CSR&TI-Berhampore.

At the outset, Dr. Dipesh Pandit, Scientist-D, PMCE Division welcomed chairperson Research Council (RC), all Scientists and other participants and requested for brief & crispy presentation and healthy interaction for improvement of the presentation. Later, agenda-wise items were discussed at length. List of the participants is appended in Annexure-I.

General:

- ✓ It was decided to organize guest lecture at-least once per quarter by inviting subject expert at the Institute for which the name of the experts/resource person should submitted to PMCE by each division/section of the institute.
- ✓ It was advised to initiate recruitment of JRF/PA, as applicable, in all newly approved projects at the earliest.
- ✓ Work and activities related to AICEM-IV must be carried out sincerely in order to resolve the issues related to the programme
- ✓ The expenditure against budget in each on-going research project/ OSTs/OFTs/Routine activities to be updated critically and to be verified by the Director, CSR&TI, Berhampore. All the Scientists/PIs are advised to bring the same before Director without fail

[Action: All R*D Sections]

Concluded projects:

- ✓ No concluded project was presented before the house.

New proposal:

Identification of superior polycross hybrids of mulberry for leaf yield and quality traits.
Duration: 4 years; Budget: Rs. 24.30 lakhs

PI was suggested to have a thorough discussion about molecular marker analysis with Biotechnology Division and modify objectives accordingly. It was also suggested to include one JRF/SRF and one PA for the project. However, the proposal was approved with modifications.

[Action: Dr. Yallappa Harijan, Sci-C, MBG]

Ongoing research project/ OSTs/OFTs/Routine activities:

PIE 02002SI: Evaluation of performance of mulberry genotypes C-9 under red and laterite soils

Progress of the project was as per milestones. However, PI was suggested to include and correlate the weather data with yield performance for presenting in forthcoming RAC meeting.

PIB 02010SI: Final yield trial of promising high yielding mulberry genotypes for Eastern and North-Eastern India

The project was just initiated and progress found was as per milestones.

PIE 13001MI: All India Coordinated Trial for Mulberry Varieties (AICEM) Phase IV

PI was advised to include the photographs of genotypes for reference. Crop schedule to be rescheduled with commercial crops, an intimation may be sent to the Central Office, Bangalore in this regard.

MOE02015MI (Component-II): Evaluation of High Yielding and Low temperature stress tolerant varieties C-01 & C-11

Progress found was as per the milestones

MOE 02014 SI (Component-I): Popularization of newly authorized mulberry variety (C-2038, Tr-23/BC₂59 & C2028)

Progress found was as per the milestones. However, PI was advised to send letters to the concerned units for sending the data as per the prescribed format.

[Action: Dr. K. Suresh, Sci-C, MBG]

PIB 02007 SI: Improvement of mulberry leaf longevity in E & NE states of India

The progress of the project was as per milestones. However, PI was suggested to include nutrient enrichment in the formulation for better plant growth and development. Advised to include graphical representation of data. PI was suggested to contact Bose Institute, Kolkata for outsourcing of sample analysis.

MOE02015MI (C-II): Evaluation of high yielding & bacterial leaf spot resistant mulberry variety C7

The progress of the project was as per milestones; however, the PI was suggested to recheck the data provided by other centers,

[Action: Dr. Deepika Kumar Umesh, Sci-C, MBG]

PPA 02005SI: Optimization of spacing and nutrient dose for the newly developed highyielding mulberry variety (C2038) under irrigated condition

The progress of the project was as per milestones. PI was suggested to rectify data and graphical representation for better interpretation. It was also suggested to revise budget immediately.

PIE 02013 SI: Final Yield Trial (FYT) of newly identified mulberry genotypes for leaf productivity and quality

Progress of the project was as per milestones.

MOE02015MI: (C-III): Low-cost drip fertigation for mulberry

PI should mention the conditions that contribute to yield advantage over the control during presentation.

[Action: Dr. Yallappa Harijan, Sci-C, MBG]

MOE02014SI (Component-II): Popularization of Bio-Control Agents (BCA) for the management of mulberry Pests

Progress of the programme was found as per milestones. However, the PI was suggested to check the data, include the photographs of BCA and mention movement register of BCA

AIB02009MI: Authorization trials silkworm hybrid, 12Y x BFC1 in E & NE India [Coll. Project with NSSO& CSTRI-Bengaluru

Progress was found as per milestones. It is also advised to complete the analyses of data and submit the concluded report in time as scheduled.

AIB01009MI: Evaluation of New Bv Double Hybrid, TT21 X TT56 at Farmers Level for Authorization for Commercial Exploitation (Coll. with CSRTI, Mysore)

Progress was found as per milestones

AIE02018SI: Identification of superior bivoltine foundation cross as a male component to improve cross breed productivity in E & NE India

The project obtained code and just initiated and PI was advised to present it as new project along with Referees comment and reply of PIs in upcoming RAC meeting for ratification.

OFT: Evaluation of double hybrid. BHP-DH (3.2 x 8.9) in East & NE region

The progress was found as per milestones. Also advised to submit the authorization trial of the same in project mode.

[Action: Dr. N. Chandrakantha, Sci-C, SBG]

AIB02006MI: Improvement of Nistari lines for survival and silk productivity

The progress was found as per milestones, however, PI was suggested to include the cocoon reeling parameters

[Action: Dr. Th. Ranjita Devi, Sci-C, SBG]

AIT08005MI: Development and evaluation of Bidsenovirus resistant silkwormhybrids developed from marker assisted breeding lines-Phase-II (Coll. of SBRL,Kodathi)
Progress was as per milestones

MOE02015MI (Component-IV): Validation of Eco-friendly Silkworm Rearing bed disinfectant (SERIWIN)
PI was suggested to include single cocoon assessment data for SERIWIN treatment and control batches to be represented

MOE02014SI (Component-III): Popularization of eco-friendly disinfectant NIRMOOL & Popularization of Sampoorna (Component-V)
Progress for both components was found as per milestones; however, PI was suggested to include single cocoon assessment data.

Routine programme: Silkworm disease monitoring of seed and commercial crop rearing of Eastern & North Eastern states
The program was found as per milestones.

[Action: Dr. M. Rabha, Sci-C,SWP]

Extraction of pharmaceutical grade sodium copper chlorophyllin from silkworm feculae
The PI was advised to present the updates and reports in the forthcoming RAC meeting

[Action: Dr. M. Rabha, Sci-C,SWP]

AIC02004CN: Molecular characterization and assessment of the efficacy of low molecular weight peptides isolated from mulberry leaf against flacherie disease of silkworm (in coll. with UNB Siliguri)
Progress was as per milestones

AIT 02012CI: Characterization of mulberry silkworm, *Bombyx mori*L. mutants for tolerance to flacherie syndrome through genome editing tools (DST-JSPS project)
The project was found as per milestones

[Action: Dr. Pooja Makwana, Sci-C, Biotech]

AIT02008SI: Identification of high humidity tolerant silkworm breeds/hybrids for Eastern & North-Eastern India
The progress was found as per milestones.

AIB02019MI: Development of bivoltine double hybrids suitable for different regions of India
The project has already obtained code and advised to initiate. Accordingly, it was just initiated and progress was found as per milestones. PI was advised to submit complete proposal for sending to Referees for obtaining comments and placing before RAC for ratification. Also advised to show CSR&TI, Berhampore budget separately.

[Action: Dr. Raviraj V.S., Sci-C, Biotech]

MOE02011EF (NABARD funded): Development of Seri-Entrepreneurship in Chawki rearing (MDB-WB)

The progress of the project was found satisfactory and as per milestones

MOE02014SI (Component-IV): Popularization of chawki rearing & shoot feeding (shelf rearing) with Collapsible Plastic Mountages

Progress of both the programs as per milestones

BV CPP Progress

The progress was found as per milestones

[Action: Dr. Shafi Afroz, Sci-C, SEEM]

MOT02016EF (DBT funded project): Seri-Entrepreneurship development in aspirational districts of NE India.

The project was found as per milestone however, PI was advised to include planning and goal session in the five days training program schedule.

[Action: Dr. P. Naik., Sci-C, Training division]

Follow up action of RSRS Koraput, RSRS Jorhat and RSRS Kalimpong

The progresses of different routine and R&D activities at RSRSs were discussed during EOM meet held on 29th and 30th June, 2022 and found satisfactory.



Dr. Kishor Kumar, C.M.
Director & Chairperson of RC
CSR&TI, Berhampore
20th July 2022

**LIST OF SCIENTISTS/PARTICIPANTS IN THE 61ST MEETING OF RESEARCH COUNCIL
(RC) HELD ON 05.07.2022 AT CSRTI-BERHAMPURE, WEST BENGAL**

#	Name	Designation
CSRTI-Berhampore(WB)		
1.	Dr. Kishor Kumar C.M.	Director
2.	Dr. G. Srinivasa	Scientist-D, SEEM
3.	Dr. A.R. Pradeep	Scientist-D, Biotechnology
4.	Dr. Dipesh Pandit	Scientist-D, PMCE
5.	Dr. Satadal Chakrabarty	Scientist-D, Farm Management
6.	Dr. K. Suresh	Scientist-C, MBG
7.	Dr. Pooja Makwana	Scientist-C, Biotechnology
8.	Dr. N. Chandrakanth	Scientist-C, SBG
9.	Dr. ShafiAfroz	Scientist-C, SEEM
10.	Mr. KhasruAlam	Scientist-C, Mulberry Protection
11.	Mr. Yallappa Harijan	Scientist-C, MBG
12.	Dr. Deepika Kumar Umesh	Scientist-C, MBG
13.	Dr. Raviraj V.S.	Scientist-C, Biotechnology
14.	Dr. ThangjamRanjita Devi	Scientist-C, SBG
15.	Dr. Mihir Rabha	Scientist-B, Silkworm Protection
16.	Dr. Parameswara Naik J.	Scientist-B, Training
17.	Ms. Susmita Dev	Project Assistant, Training
18.	Ms. Suravi Ghosh	SRF, Biotechnology
19.	Ms. NilufarEasmin	JRF, Biotechnology
Nested RSRSs:		
20.	Dr. Zakir Hossain (Online mode)	Scientist-D, RSRS-Kalimpong
21.	Dr. K. Neog(Online mode)	Scientist-D, RSRS-Jorhat
22.	Dr. Dip Kr. Gogoi (Online mode)	Scientist-D, RSRS-Koraput
23.	Dr. S. Harish Babu (Online mode)	Scientist-B, RSRS-Kalimpong