

**Minutes of 59<sup>th</sup> Meeting of Research Council  
(18<sup>th</sup> and 19<sup>th</sup> January 2022 at CSRTI-Berhampore, West Bengal)**

59<sup>th</sup> Research Council meeting of CSRTI-Berhampore was held on 18<sup>th</sup> and 19<sup>th</sup> January, 2022 under the Chairmanship of Dr. C. M. Kishor Kumar, Director, CSRTI-Berhampore.

At the outset, Dr. Dipesh Pandit, Scientist-D, PMCE welcomed Chairperson-RC, Scientists and other participants. Later, agenda-wise items were discussed. List of participants is appended in Annexure - I.

**Improvement of seed crop productivity in West Bengal:**

PI was advised to obtain consent from NSSO and DoS, WB for the prepared collaborative project on “Improvement of seed crop productivity in West Bengal” as early as possible and send the project proposal to C.O., Bangalore after incorporating the same.

**[Action: Dr. Satadal Chackrabarty, Sci-D, Farm Management]**

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

The progress of the project was as per milestones; however, purchasing of the equipment with regard to the project may be hastened. Further, with reference to the senescence, PI is advised to use some photographs as reference in her future presentation.

**OST: Evaluation of high yielding & bacterial leaf spot resistant genotype C7 with C-2038 as check variety**

With regard to the implementation of the above in Mamring, Sikkim, PI is advised to send letters to the respective centre in-charge through Director for smooth functioning of the trial. Further, during the trial, utmost care to be taken during recording of PDI of diseases.

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

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

PI is advised to check the data with respect to the percent increase in leaf yield especially in first year with 2' x 2' spacing. Further, allocated budget and its utilization should be presented in future presentation. PI should also have a look over the most important leaf yield attributes and pin point the same in future presentation.

**OST: Low-cost drip fertigation for mulberry**

PI is advised to complete installation of the drip system in Mothabari and Khosbag test centre at the earliest. Further, data on the leaf yield to be presented in terms of yield/acre or yield/hectare in future as the outcome of the trial has to go for field popularization in future. With respect to the number of crops/years to be taken in Kalimpong test centre, the incharge of RSRS, Kalimpong may send photographs of the plantation in fortnightly interval and judging the same decision will be made to go for number of crops data/year

**PIE 02013 SI: Final Yield Trial of newly identified mulberry genotypes:**

The trial is already established and the same is running as per milestones

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

**PIE 02010 SI: Final Yield Trial of promising high yielding mulberry genotypes for Eastern & North-Eastern India:**

The progress of the trial was as per milestones

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

Status of the plantation of Boswa is not up to the mark. PI is advised to make an intimation to the Commissioner, Govt of West Bengal through Director for proper maintenance of the plantation by the DoS. Further, PI was also advised to make a Whats app group of the AICEM facilitators for better coordination and smooth running of the trial in future.

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

Progress of the project was as per milestones. To substantiate the poor data received from Bhandra, PI should have a check over the rainfall data of the particular crop as rainfall was reported to be very high during the period

**OST: Evaluation of high yielding and low temperature stress tolerant genotypes (C-1& C-11)**

Progress of the project was found as per milestones

**PRP08002MI: Identification of candidate genes based powdery mildew resistance for utilization in disease resistance breeding in mulberry [Coli. of SBRL, Kodathi]**

Progress found was as per the milestones.

**OFT: Popularization of newly authorized mulberry variety C-2038 and others**

Progress found was as per the milestones

**Development of Mulberry crop schedule for optimal silk productivity in WB**

PI is advised to submit the concluded report. Further, he is advised to propose a new project in consultation with all the stake holders (DoS & farmers) while considering the schedule of seed crop rearings and variation in incidence of diseases and pests if any.

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

**OFT: Popularization of Bio-Control Agents (BCA) for the management of mulberry Pests**

PI should try to achieve the target in time since pest incidence is season bound.

[Action: Mr. Khasru Alam, Sci-B, Mulberry Crop Protection]

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

Progress was found as per milestones.

**AIE 06002MI: Evaluation of Bivoltine Silkworm Genetic Resources for Tolerance to Abiotic Stress in Selected Hotspots (CSGRC-Hosur)**

Progress was found as per milestones

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

**AIB02006MI: Improvement of Nistari lines for survival and silk productivity**

The progress was as per milestones. However, PI was advised to have a comparative data from field along with the improved lines over different seasons.

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

**OFT: Evaluation of double hybrid. BHP-DH (3.2x8.9) in E&NE Region**

The progress was found as per milestones. The PI was suggested to represent the state wise data in graphical mode.

[Action: Dr. V. Lakshmanan, sci-D, SBG]

**AIT0800SMI: Development and evaluation of Bidsenovirus resistant silkworm hybrids developed from marker assisted breeding lines-Phase-II (Coil. of SBRL, Kodathi)**

Progress was as per milestones

**OST: Validation of new eco-friendly bed disinfectant (SERIWIN)**

The programme has been initiated and was running as per milestones

**OFT: Demonstration of SAMPOORNA for improved cocoon quality**

The progress was found as per milestones; however, PI should also consider yield/100dfis while presenting the data in future

**Silkworm disease monitoring of seed and commercial crop rearing of Eastern & North**

**Eastern states**

The progress was found as per milestones. PI should be in close contact with nested units for obtaining regular data.

With regard to the pilot programme extraction of pharmaceutical grade sodium copper chlorophyllin from silkworm feculae the PI was advised to look into the budget of the project if it can be revised and also to present the same in the RAC with referee comments

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

**AIC02004CN: Molecular characterization and assessment of the efficacy of low molecular weight peptides isolated from mulberry leaf against flacherie disease of silkworm (in coli. with UNB Siliguri)**

The project was found as per milestones

**AIT 02012CI: Characterization of mulberry silkworm, *Bombyx mod L.* mutants for tolerance to flacherie syndrome through genome editing tools (DST-)SPS project)**

The project has to present in the RAC for ratification

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

**AIT02008 SI: Identification of high humidity tolerant silkworm breeds/hybrids for Eastern & North-Eastern India**

The progress was found as per milestones.

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

The routine *activities* of R&S section was as per milestone.

[Action: Dr. Lakshmanan, Sci-D, SBG]

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

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

**OFT: Popularization of chawki rearing**

Progress was as per milestones however achieving the target in time with by the nested unit may be followed up

**OFT: Popularization of Collapsible Plastic Mountages & shoot feeding (shelf rearing)**

Progress was as per milestones however achieving the target in time with by the nested unit may be followed up

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

**Training Division**

Progress of the *activities* of Training Division was presented and was found as per milestones.

[Action: Dr. S. Sarkar., Sci-D,Trg.]

**Follow up action of RSRS, Kalimpong**

**Development of Integrated Farming System Model for Livelihood Security of Farmers in the hilly regions of Kalimpong District**

The project needs to be presented in the forthcoming RAC and along with referee comments

[Action: Dr. Harish Babu., Sci-B,]

A detailed report to be submitted to Director for taking up Muga culture under RSRS

[Action: Zakir Hossain., Sci-D,]

**Follow up action of RSRS, Koraput**

The progress of the center was found satisfactory but it was advised to complete the ECPs in time

[Action: Dr. Dip Gogoi., Sci-D]

## Follow up action of RSRS, Jorhat

**New concept: Improvement of BV seed cocoon productivity in NE region.**

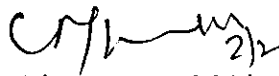
The PI should have a data on commercial seeds demands in all the NE states for matching estimation of seed cocoon production improvement. Further, consultation with NSSO should also be made regarding consumption of the Dfls out of the project, if the popular hybrids are produced as per the mandate of NSSO.

Targets with regard to the popularization of Plastic collapsible mountages and shoot rearing needs to be completed in time

[Action: Dr. P. Kumaresan, Sci-D]

The meeting ended with the vote of thanks.

Date: 18<sup>th</sup> & 19<sup>th</sup> January, 2022

  
(Dr. Kishor Kumar C.M.)  
Director & Chairperson  
Research Council  
CSRTI-Berhampore

## ANNEXURE-I

### LIST OF SCIENTISTS/PARTICIPANTS IN THE 59<sup>TH</sup> MEETING OF RESEARCH COUNCIL (RC) HELD ON 18.01.2022 & 19.1.2022 AT CSRTI-BERHAMPORE, WEST BENGAL

#	Name	Designation
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. Sukabrata Sarkar	Scientist-D, Training
6.	Dr. Satadal Chakrabarty	Scientist-D, Farm Management
7.	Dr. Thangjam Ranjita Devi	Scientist-B, SBG
8.	Dr. Deepika Kumar Umesh	Scientist-B, MBG
9.	Dr. K. Suresh	Scientist-C, MBG
10.	Dr. N. Chandrakanth	Scientist-C, SBG
11.	Dr. Shafi Afroz	Scientist-C, SEEM
12.	Dr. Pooja Makwana	Scientist-C, Biotechnology
13.	Mr. Yallappa Harijan	Scientist-B, MBG
14.	Dr. Parameswara Naik J.	Scientist-B, Training
15.	Mr. Khasru Alam	Scientist-B, Mulberry Protection
16.	Dr. Raviraj V.S.	Scientist-B, Biotechnology
17.	Dr. Mihir Rabha	Scientist-B, Silkworm Protection
18.	Dr. S. Harish Babu (Online mode)	Scientist-B, RSRS-Kalimpong
19.	Dr. Zakir Hossain (Online mode)	Scientist-D, RSRS-Kalimpong
20.	Dr. P Kumaresan (Online mode)	Scientist-D, RSRS-Jorhat
21.	Dr. Dip Kr. Gogoi (Online mode)	Scientist-D, RSRS-Koraput
22.	Ms. Suravi Ghosh	JRF, Biotechnology