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## Silkworm Improvement & Production (Bivoltine)

### MANDATE:

- To undertake research project/ programme for silkworm improvement through conventional breeding, Genetics, Molecular biology, bioinformatics, physiological and modern approaches in collaboration with national & international Institutes.
- To develop robust bivoltine hybrids tolerant to high temperature using markers assisted selection.
- To develop productive NPV tolerant bivoltine breeds/ hybrids carrying BmNox marker assisted selection.
- To undertake the evaluation programmes of new or introduced silkworm hybrids for commercial exploitation.
- To undertake pre and post authorization of promising silkworm breeds/hybrids.
- To undertake the research on bye products and value addition of silkworms.
- To understand MSRAP trials and to act as the progenitor for evolved promising silkworm races.
- To maintain and supply breeders bivoltine stocks and P4 bivoltine stocks & to SSBS.
- To carryout research on reproductive potential of races/ hybrids newly developed.
- Bio Informatics support for R&D Activities.
- To up keep of the scientific equipments in the their respective labs.

### SCIENTISTS:

Name	Designation
<u>Dr. Manthira Moorthy</u> [2]	Scientist - D & Head
Dr. Meenal, R.	Scientist - D
<u>Dr. Madhusudhan, K.N.</u> [3]	Scientist - C
<u>Dr. Satish, L.</u> [4]	Scientist - C
<u>Dr. Yeruva Thirupathaiah</u> [5]	Scientist - C
<u>Dr. Bhuvaneshwari, E.</u> [6]	Scientist - C

<b>Name</b>	<b>Designation</b>
Dr. Ranjani, M.S.	Scientist - C
<u>Dr. Kusuma, L.</u> [7]	Scientist - C

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**Source URL:** <http://www.csrtimys.res.in/structure/silkworm-improvement>

**Links:**

- [1] <http://www.csrtimys.res.in/sites/default/files/profiles/bio-daya.pdf>
- [2] <http://www.csrtimys.res.in/sites/default/files/profiles/bio-moorthy.pdf>
- [3] <http://www.csrtimys.res.in/sites/default/files/profiles/bio-madhu.pdf>
- [4] <http://www.csrtimys.res.in/sites/default/files/profiles/bio-satish.pdf>
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- [6] <http://www.csrtimys.res.in/sites/default/files/profiles/bio-bhuvan.pdf>
- [7] <http://www.csrtimys.res.in/sites/default/files/profiles/bio-kusuma.pdf>