Dr. N. Chandrakanth, Ph.D

Scientist C

Silkworm Breeding & Genetics

Contact: 9734149294

Email: chandra.nalavadi@gmail.com

Academic Qualification

Ph. D. thesis: Studies on molecular and genetical aspects of thermotolerance in silkworm *Bombyx mori*

Degree	Subject	University	Year of passing
Ph.D.	Biotechnology	University of Mysore, Mysore, India	2018
M.Sc.	Biotechnology	Punjab Technical University, Jalandhar, India	2009
B.Sc.	Biotechnology	Gulbarga University, Gulbarga, India	2007

Research Experience

Institution	Position	Period
Central Sericultural Research and Training Institute (CSRTI)-Berhampore [West Bengal] Central Silk Board, Ministry of Textiles, GoI	Scientist C	July 2019 – Till date
	Scientist B	Dec 2015 – June 2019
CSRTI-Mysore (Karnataka) Central Silk Board, Ministry of Textiles, GoI	Senior Research Fellow (SRF)	Feb 2014 – Feb 2015
	Junior Research Fellow (JRF)	Feb – Dec 2015
		Feb 2011 – Jan 2014

Awards/Fellowships

- Received Biotech Industrial Training Program (BITP) 2009-10 fellowship, sponsored jointly by DBT and BCIL (Biotech Consortium India Limited).

Publications

Best 5 Research articles

1. **Chandrakanth N**, Moorthy SM, Ponnuvel KM and Sivaprasad V (2015) Identification of microsatellite markers linked to thermotolerance in silkworm by bulk segregant analysis and *in silico* mapping. *Genetika* 47(3): 1063-1078.
2. **Chandrakanth N**, Ponnuvel KM, Moorthy SM, Sasibhushan S and Sivaprasad V (2015) Transcript analysis of heat shock protein genes in Silkworm, *Bombyx mori* in response to heat shock. *Eur. J. Entol.* 112(4): 676–687.
3. **Chandrakanth N**, Moorthy SM, Kariyappa, Ponnuvel KM and Sivaprasad V (2015) Reeling performances of F_2 and backcross populations under high temperature condition. *Journal of Entomology and Zoology Studies* 3(6): 219-222.
4. **Chandrakanth N,** Moorthy SM, Rekha M and Sivaprasad V (2016) Stability and path analysis for yield and related traits in silkworm, (*Bombyx mori* L.) reared under stress conditions- Genetika, Vol. 48, No. 1, pp. 271-284.
5. Moorthy SM, **Chandrakanth N** and Krishnan N (2016) Inheritance of heat stable esterase in near isogenic lines and functional classification of esterase in silkworm *Bombyx mori*- Invertebrate Survival Journal, Vol. 13, pp. 1-10.

Research publications & Trainings

Research Papers:	**:18**	Book Chapters	**:01**
Conferences/Seminars /Symposiums	**:08**	Trainings/Workshops	**:04**
Technical pamphlets	**:05**		

NCBI-Sequence Submission

Accession numbers	Particulars	Organism
MT221438	Pyrexia gene	*Bombyx mori*
MT221439	Pyrexia gene	*Bombyx mori*