Dr. L. Somen Singh, M.Sc., Ph.D.
Scientist – D
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Educational Qualification: M.Sc. with specialization in Entomology from Manipur University (1989).
Ph.D. in Insect Ecology from Manipur University (1994).

Area of research interest:

- Insect Ecology

Professional Experiences:

- **Scientist-D in Regional Sericultural Research Station,** Central Silk Board, Govt. of India, Imphal, Manipur w.e.f. November, 2018 to till date.
- **Scientist-D in Research Extension Centre,** Central Silk Board, Agartala, Tripura w.e.f. August, 2018 to October, 2018.
- **Scientist-D in Research Extension Centre,** Central Silk Board, Imphal, Manipur w.e.f. January, 2016 to July, 2018.
- **Scientist-C in Research Extension Centre,** Central Silk Board, Imphal, Manipur w.e.f. June, 2012 to December, 2015.
- **Scientist-C in Regional Tasar Research Station**, Central Silk Board, Imphal, Manipur w.e.f. January, 2010 to May, 2012.
- **Senior Research Officer in Regional Tasar Research Station,** Central Silk Board, Imphal w.e.f. August, 2005 to December, 2009.
- **Senior Research Assistant in Regional Tasar Research Station,** Central Silk Board, Imphal, Manipur w.e.f. July, 1999 to July, 2005.
- **Senior Research Assistant in Central Eri Research and Training Institute,** Central Silk Board, Mendipather, Meghalaya w.e.f. July, 1995 to June 1999.

Major/ongoing projects:

i. Standardization of rearing and grainage technology of *Antheraea frithi* Moor (As PI; funded by Central Silk Board, Bangalore).

ii. Evaluation of eri silkworm races suitable for different agro-climatic conditions of Manipur (As CI; funded by Central Silk Board, Bangalore).

iii. Evaluation of performance of mulberry genotype C9 under red and laterite soils. (As CI; Collaborative with CSR&TI, Berhampore; funded by Central Silk Board, Bangalore).

Ongoing/regular programme (mulberry):

i. Supervision of activities of **Ukhrul** and **Churachandpur** Cluster of Manipur under Bivoltile Cluster Promotion Programme.
ii. On-Station trial of Seri-win, an eco-friendly bed disinfectant for sericulture.
iii. On-farm trial of Sampoorna, a phyto-ecdysteriod hormone for uniform maturation of silkworms.
iv. OFT – Evaluation of bivoltine double hybrid, BHP DH.
v. Survey and surveillance of mulberry pests and disease.
vi. Survey and surveillance silkworm diseases in seed and commercial crops.
vii. Time to time Field Visit/supervision of activities of ISDP (HILL & VALLEY) under NERTPS in Manipur.

Concluded projects:

1. Breeding for improvement of Eri Silkworm (As PI; funded by Central Silk Board, Bangalore; Duration 3 years)
2. Improvement of Oak Tasar Silkworm through hybridization and selection (As CI; funded by Central Silk Board, Bangalore; Duration 4 years).
3. Survey, collection, conservation and characterization of oak fed *Antheraea* species in North-eastern India. (As CI; funded by Central Silk Board, Bangalore; Duration 3years)
4. Development of races superior to existing races of oak tasar silkworm through interspecific hybridization (As PI; funded by Central Silk Board, Bangalore; Duration 5 years).
5. All India Co-ordinated experiments on Mulberry (Phase-III). (As CI; funded by Central Silk Board, Bangalore; Duration 5years).
6. Soil health card preparation for mulberry growing soils in Eastern and North-Eastern India. (As CI; funded by Central Silk Board, Bangalore; Duration 3years).

Important/recent publications :

01. **L. Somen Singh;** Y. Debaraj; N. I. Singh; B. C. Ray & Ravindra Singh (2012)Studies on the combining ability analysis of six inbreed lines of Eri Silkworm, *Samia ricini* Donovan. *Indian J. Seri*., 51(2): 167-172.

02. K**.** Ibsorani Devi; K.M. Ponnuvel; **L. Somen Singh**; K. C. Singh & Karabi Dutta (2011): Genetic diversity among Indian Oak Tasar Silkworm, *Antheraea proylei J. revealed by ISSR Markers. Int. J. Indust. Entomol. 24(1): 57-61.*

03. Y. Debaraj; N.I. Singh; **L. Somen Singh** & Ravindra Singh (2011): Studies on hybrid vigour in different crosses of eri silkworm, Samia ricini Donovan and identification of superior hybrids. *Sericologia* 51 (2): 237-244.

04. N.I Singh; **L. Somen Singh** & K. C. Singh (2011): Characterization and Evaluation of Oak Tasar Silkworm Genetic resources in India. *Sericologia* 51 (1): 1-12.

05. K. Ibsorani Devi; **L. Somen Singh**; N. I. Singh; Karabi Dutta & K.C. Singh (2011): Biodiversity of sericigenous insects and their food plants in Manipur. *The Ecoscan* 5(1 &2): 65-68.

06. N. I Singh, Y. Debaraj**, L. Somen Singh** and K. C. Singh (2011): Bio-ecological studies of an oak Tasar Silkmoth, *Antheraea frithi* Moore in North East India. *Uttar Pradesh J. Zool*. 31(1):75-78

07. N.I. Singh**; L. Somen Singh** and KC Singh (2010): Estimation of general and specific combining ability and heterosis to identify suitable parents in oak tasar silkworm breeds. *Journal of Non-Timber Forest Products* 17(3): 283-290.

08. K.C Singh; N.M.Singh; **L. Somen Singh** and N.I.Singh (2010): The art of curious eri silk lap sheet en route to quilting. *Sericologia* 50(4): 533-541.

09. **L. Somen Singh;** N. I.Singh & K. C. Singh (2009): Identification of high yielding oak tasar silkworm hybrids. *Journal of Non-Timber Forest Products* 16(4): 281-284

10. N. I. Singh, **L. Somen Singh** and N. Ibohal Singh (2008). Evolution of superior breed of Oak Tasar silkworm-blue. *Sericologia* 48(3) :289-295.