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Specialization: Silkworm Crop Improvement

Ph. D Thesis title: Studies on the performance and economic appraisal of new hybrids of the silkworm *Bombyx mori* L. through validation and demonstration.

Publications: 43

Top Ten publications:

1. **Dayananda,** V. Sivaprasad, V. Nishita Naik, S.M. Hukkeri and R.S. Teotia (2019). Impact of Systamatic maintenance of Bivoltine parental breeds on the expression of hybrid vigour. *Innovative Farming*, 4(2): 83-90.
2. **Dayananda,** V. Sivaprasad, S.B. Kulkarni, M. Balavenkatasubbaiah, and Kariyappa (2017) Development of productive polyvoltine breeds of *Bombyx mori* L. tolerant to high temperature and BmNPV. *Indian J. Seric.,* 56(1-2), 62-72.
3. **Dayananda**, V. Sivaprasad, S. B. Kulkarni, C. Parameswara and Kariyappa (2016) identification of improved crossbreeds of silkworm, *Bombyx mori* L. Suitable for southern India. *IJAAES*, 6**(1):** 109-113
4. V. Sivaprasad, **Dayananda,** N. Mal Reddy, M. Balavenkatasubbaiah, S.B. Kulkarni and Kariyappa (2016) Development of a new improved crossbreed **"Cauvery Gold"** (MV1 × S8) for south Indian Sericulture. *Indian J. Seric.,* 55(1-2), 1-7.
5. **Dayananda,** P. Rama Mohana Rao, V. Premalatha, C. Parameswara, K.P. Shivakumar, S. Nirmal Kumar and B.B. Bindroo (2013) New improved cross breeds of silkworm *Bombyx mori* suitable for southern India. Biospectra, 8(2): 9-14.
6. Chandrakanth, N; Moorthy, S.M; Anusha, P; **Dayananda**; Ashwath, S.K; Kumar, V; and Bindroo, B.B (2013). Evaluation of genetic diversity in silkworm (*Bombyx mori* L.) Strains using micro satellite markers, *International Journal of Biotechnology and Allied fields (IJBAF),* 2(3): 73-83.

	7. **Dayananda;** Premalatha, V; Balavenkatasubbaiah, M; Chandrashekaran, K; Nirmal Kumar, S and Bindroo, B.B (2013) New breeding Resource material for the development of polyvoltine breeds of silkworm *Bombyx mori* L. tolerant to high temperature. *IJAAES*, 3**(4):** 86-91 8. P. Rama Mohana Rao, S.M.H. Qadri, S. Niramal Kumar, V. Premalatha, **Dayananda,** P.G. Joge, Y.C. Radhalakshmi and K.P. Shivakumar (2012) Identification of polyvoltine x bivoltine hybrids of the silkworm *Bombyx mori* L with superior fiber quality: A breakthrough in silkworm breeding. *Indian J. Seric.*51 (2): 128-142 9. **Dayananda,** Satish Kulkarni, Pala Rama Mohana Rao, Obalaiah Gopinath, and Sundara Murthy Nirmal Kumar (2011) Evaluation and Identification of Promising Bivoltine Double Hybrids of The Silkworm Bombyx mori L. for Tropics Through Large Scale In-House Testing. .Int. J. Indust. Entomol, 23(2): 187-191 10. **Dayananda,** S.B. Kulkarni, P. Rama Mohana Rao, O.K. Gopinath and S. Nirmal Kumar (2011) Evaluation and selection of superior bivoltine hybrids of the silkworm *Bombyx mori* for tropics through large scale in-house testing. *IJPAES*, 1**(3)**: 16-22