

Bio-data of Dr. N. Mal Reddy, Scientist-C,

Name: Dr. N. Mal Reddy

Designation: Scientist - C

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Educational Qualification: M.Sc. in Zoology in 1979. M.Phil (1981) & Ph.D. in Zoology in 1987.

Expertise area: Silkworm Breeding

Research Experience : 26 years

Past and present positions:

Joined Central Silk Board in 1987 as Senior Research Assistant and worked at Silkworm breeding laboratory (Bivoltine), Central Sericultural Research and Training Institute from 1987 to 2007 and at P4, Basic Seed Farm, Hassan from 2007 to 2010 and Silkworm breeding laboratory (Bivoltine) Central Sericultural Research and Training Institute from 2010 onwards till date.

Guidance for Ph.D degree: Two candidates obtained Ph.D degree in Sericulture

Membership of Academic bodies/organizations : Life member of the National Academy of Sericulture Sciences, India (NASSI)

Awards

1. Received the prestigious “ **Seth Beldeodas Shah**” award for the outstanding contribution towards the development of the productive bivoltine hybrids **CSR2 x CSR4 and CSR2 x CSR5** during 1999.
2. Received the prestigious **CSB National award** as member of the research for the outstanding contribution towards the development productive bivoltine double hybrid and cocoon colour bivoltine sex-limited breeds namely **CSR8 (SL) and CSR2 (SL)** during May 2004

3. Awarded as the **Best Scientist** of the year 2005 for sincere service rendered in the activities of the institute during the year
4. Received the best presentation award (Team) for the paper entitled “ **An Index for multiple trait selection for silk yield improvement in *Bombyx mori L*”** on the occasion of National Conference on Mulberry Sericulture Research held on 10th and 11th December, 1992 at CSRTI, Mysore.

Training Undergone:

1. Training in "Silkworm Breeding " Nation Institute of Sericulture and Entomological Science, Matsumoto, Japan 17-April, '94 to 22-December,'94.
2. Training in "Silkworm Breeding Techniques" imparted by Dr. Y. Mano, Silkworm Breeding Expert, JICA, Japan at CSR&TI, Mysore during 27th October- 23rd December 1992 and January- February, 1994.
3. Training on quarantine test on silkworm egg under mulberry sector from 22-04-2009 to 25- 04-2009 at Silkworm Seed Technology Laboratory, Central silk Board, Kodathi, Bangalore- 560 035.

No. of Publications : 98. (International : 15 National : 66 Popular: 12 Books/ manuals : 5)

Papers presented at symposia : 39 (Inyernational : 8 Nationa: 31)

Important research publications:

1. Datta, R.K ,Basavaraja,H.K , Mal Reddy, N, Nirmal Kumar,S, Ahsan,M.M ,Suresh Kumar, N and Ramesh Babu,M (2000) Evolution of new productive bivoltine hybrids, CSR2 x CSR4 and CSR2 x CSR5. *Sericologia* 40(1): 151-167
2. Datta, R.K ,Basavaraja,H.K , Mal Reddy, N, Nirmal Kumar,S, Ahsan,M.M Suresh Kumar, N and Ramesh Babu, M (2000) Evolution of new productive bivoltine hybrid, CSR3 x CSR6. *Sericologia* 40(3): 407-416
3. Mal Reddy, N. Basavaraja, H.K., Joge, P.G. Nanje Gowda, B., Kariappa, B.K.and Dandin S.B. (2002) Studies on the utilization of bivoltine breeds and their hybrids as male components with Pure Mysore race. *Indian J.Seric.*41 (2) 124-129.
4. Mal Reddy, N. Basavaraja, H.K., Kalpana, G.V, Joge, P.G., Suresh Kumar, N, Palit, A.K. and Datta, R.K. (2002) Breeding of viable sex-limited cocoon colour bivoltine silkworm breed (CSR8) of *Bombyx mori L*. in *Advances in Indian Sericulture Research* Ed by S,B,Dandin and V.P.Gupta pp 61-66.

5. Mal Reddy, N., Basavaraja, H.K., Dhar, A.K., Suresh Kumar, N , and Dandin, S.B (2003). Studies on sex-linked inheritance of quantitative characters in direct and reciprocal crosses of silkworm *Bombyx mori* L. *Int. J. Indust. Entomol.* 7(1): 15-20.
6. Mal Reddy, N.,Basavaraja,H.K, Suresh Kumar, N., Joge, P.G., Kalpana, G.V., Dandin, S.B. and Datta, R.K (2004) Breeding of productive bivoltine hybrid, CSR16 x CSR17 of silkworm *Bombyx mori* L.*Int.J.Indust. Entomol.* 8(2) :129-133.
7. Mal Reddy,N H.K.Basavaraja, N.Suresh Kumar, S.Nirmal Kumar and G.V.Kalpana (2005) Breeding of bivoltine double hybrid (CSR6xCSR26)x(CSR2xCSR27) of silkworm , *Bomby mori* L. for commercial exploitation, *Advances in Tropical Sericulture* (Eds.), S. B. Dandin *et al.*, pp 58-62
8. Mal Reddy,N, H.K.Basavaraja, P.G.Jodge, N.Suresh Kumar, G.V. Kalpana, B.Nanjegowda and S.B. Dandin (2007) Alterations in qualitative and quantitative traits in the bivoltine silkworm hybrids of *Bombyx mori* L. due to thermal stress. *Entomon.*, 32(4) : 269-272.
9. Mal Reddy, N. C.M. Kishor Kumar, K.B. Chandra Shekar, S. Joge, P.G, Nirmal Kumar and C. K. Kamble (2008) Sex- specific differences in bivoltine silkworm *Bombyx mori* L. with reference to cocoon characters. *Indian J. Seric.* 47(2) 95-98.
10. Mal Reddy,N H.K.Basavaraja, S. Nirmal Kumar and C.K. Kamble (2010) characterization of silkworm hybrids of *Bombyx mori* L. involving normal and sex-limited bivoltine parents with reference to quantitative traits. *Sericologia* .50(4) 435-444.
11. N. Mal Reddy,N, A. Naseema Begum, K. B. Chandra Shekar, S. Nirmal Kumar and S. M. H. Qadri, (2012) Expression of hybrid vigour in different crossing pattern involving the bivoltine silkworm (*Bombyx mori* l.) parents *Indian J.Seric.*, 51(1) 26-31.