

Chapter - VII

Bibliography

7. BIBLIOGRAPHY

- Aherkar, S.K.;Thakare, H.S. and Narkhede, S.S.(1991). Behaviour of multivoltine pure mysore , bivoltine NB18 and its cross in Vidarbha climatic conditions. *PVK Res J.*, **15 (2)** : 108-110.
- Ahmed , M.I.(1986). Effect of nitrogen fertilizer (urea) on *Morus alba* leaf yield. *Pak. J. Forestry*, **36(1)** : 19-21
- Anantha Raman, K.V.; Benchamin, K.V.; Magadum, S.B.;, Ramadevi , O.K.; Dutta, R.K. (1992). Studies on nutritional efficiency of the hybrid , PM x NB4 D2 ,silkworm , *Bombyx mori* L. *National Conference on Mulberry Sericulture Research* , December 10-11.
- Aruga ,H.; (1983) . Introduction of Virus infections. *Insect Pathology* , 1: 499-530 (Steinhana , W.A., Academic Press, New York).
- Askarov, K.A.;Srapenyants , R.A.; Rashidova , S.; Rish,M.A. and Brichkova , T.P.(1985). Amino acid composition of mulberry leaves and Chinese silkworm excretions . *Dokl Vses Ordena Lenina Ordena Trud Krasnogo Znamení Akad S -kh Nauk IMVI Lenina* , **0 (8)** : 26-28
- Babu , M.H.; Bhattacharya ,A.K. and Rothore ,Y.S. (1979). Rate of intake growth and digestability of three lepidopterus insects on soybean and green gram . *Z. Aug. Ent.* .**87(3)** : 322-327.
- Baig, M. and Sengupta, K. (1988) . The outbreak of white muscardine and its preventive measures. *Indian Silk* , **26(10)** : 31-34.
- Bailey ,C.C. (1976). A quantitative study of consumption and utilization of various diet in the Bertharmy Worm , *Memestra congigurata* (Lep:Noct.). *Can . Ent.*, **108**:1319-1326.
- Barman , A.C. (1990) . Outbreak of silkworm , *Bombyx mori* L . diseases under

the influence of different commercial seasons of Bangladesh. *Bull. Sericult. Res.*, **1** : 41-46 .

- Bhat, D.V.; Noamani, M.K.R.; Pillai, S.V.; Nagraj, C.S. and Rao, Ramamohan (1989) . Preliminary assessment of four popular bivoltine breeds of silkworm *Bombyx mori* L. *Indian J.Seric.* , **28(2)** :261-262
- Bheemanna, C.(1988). Performance of bivoltine breeds of silkworm *Bombyx mori* L. on different varieties of mulberry. Thesis accepted for the award of P.G. Degree in the University of Agricultural Sciences, Bangalore.
- Bheemanna,C.; Govindan,R.; Ashoka, J. and Narayanaswamy ,T.K.(1989). Larval traits of bivoltine silkworm breeds as influenced by mulberry varieties. *Mysore J. Agril. Sci.*, **23(4)** : 520-525.
- Bhuyian, N.I. (1981). Improvement of silkworm multiplication and silk production under Bangladesh condition. Bangladesh Agricultural Univ., Mymensingh , 60-61.
- Biren, R.; Prasad, B.; Nigam, M.P.(1987). Consumption and utilization of food by oak-tasar silkworm , *Antheraea proylei* Jolly (Lepidoptera :Saturniidas). *Sericologia* , **27(1)** : 11-19.
- Chaluvachari & Bongale, U.D. (1995) . Evaluation of leaf quality of some germplasm genotypes of mulberry through chemical analysis and bioassay with silk worm *Bombyx mori* L. *Indian J. Seric.* , **34(2)** : 127-132.
- Chaluvachari and Bongale , U.D. (1996). Bioassay moulting response of silkworm *Bombyx mori* L. in relation to leaf nutritive constituents in mulberry (*Morus* spp .) genotypes. *Indian J. Seric.* , **35(2)** : 160-162.
- Cherno, N.K.; Dubkin , M.S. and Shkantova , N.G. (1982) . Chemical composition of the leaves of *Morus alba* . *Khimiya-Drevesiny* , **1**: 101-102.

- Dandin, S.B. (1989). Roll of mulberry varieties in sericultural Industry. Work shop on Sericultural Extension and Management, Central Sericultural Research and Training Institute, Mysore , 30-31 August.
- Das, P.K.; Choudhary, P.C.; Gupta, Y.K.;, Ghosh, A. and Dutta, R.K. (1993) . Effect of different levels of nitrogen phosphorus spacings on the growth yield and nutritional quality of mulberry under rainfed condition . *Indian J.Seric.*, **32(2)** : 11-19.
- Das, S. ; Ghosh, M.K. ; Shamsuddin , M.; Saha , P.K. and Sen , S.K. (1993). Impact of rearing space , leaf quality , diet rationing and sanitation measures on bivoltine silkworm rearing in plains of West Bengal , India. *Uttar Pradesh J.Zool.*, **13(1)** : 70-80.
- Das, B.K.; Sarkar, J.; Das, C.; Das, N.K. and Sen, S.K. (1995) . Seasonal effects on the relative performance of five bivoltine breeds of silkworm *Bombyx mori* L. in Malda. *Uttar Pradesh J.Zool.* **15(2)** : 91-96.
- Das ,C.; Chattopadhaya, S.; Shivanath ; Setua, M.; Sengupta, T.; Ghosh, J.K. and Sen, S.K., (1995) . Evaluation of mulberry varieties through silkworm rearing under tropical condition. *Uttar Pradesh J.Zool.*, **15(2)** : 97-99.
- Datta ,R.K. (1996) . *The Hindu Survey of Indian Agriculture.* p. 127-132.
- Ding, N. ; Zhang , X.M.; Jiang , M-q ; Xu, X-h ; Wang , Z-e and Xu, M-k. (1991). Studies on the dietary efficiency of the silkworm , *Bombyx mori* L.. on the physiological factors of the leaf - silk ratio. *Canye Kexue* , **17(4)** : 193-199.
- Dorcus ,D. and Vivekanandan, M . (1991) . Screening of mulberry varieties for rainfed conditions . *Sericologia*,**31 (1)** : 233-241.
- Fotedar, R.K. ; Dhar , K.L. and Ahsan , M.M. (1986) . Effect of different levels of Nitrogen on the leaf yield of mulberry . National Seminar on Prospects and Problems of Sericulture in India. March 27-30.

- Garbriel ,B.P. and Rapusas, H.R. (1976) . The growth and development of *Bombyx mori* L at different leaf maturity and variety of mulberry . *The Philippine Agriculturist* , **60** (3&4) : 130-145.
- Ghosh , J. (1998) .Performance of different bivoltine breeds of *Bombyx mori* L. due to different cultural practices under the terai ecological conditions of West Bengal . Thesis submitted to Visva-bharati for the degree of Ph.D.
- Ghosh, P.K. ; Sen, A.K. ; Choudhury, A.K.; Sahakundu, A.K. and Subba Rao, G. (1992) . Introduction of high yielding mulberry variety (*Morus* spp) at farmers field of Mothabari area of Malda district of West Bengal. National Conference of Sericulture Research , Dec 11-12, p 144.
- Ghosh, A.; Ambika , P.K. and Choudhury , P.C. (1995) . Effect of spacings and fertilizers on yield potential of elite mulberry varieties under irrigated condition. *Curr. Technol . Sem. Mulb.and Silkworm Breed and Genet . Mol. Biol. & Agric. , Sept. 20-22, p 37.*
- Giridhar, K. and Shivarami Reddy, N. (1991) . Performance of parental bivoltine silkworm (*Bombyx mori* L) breeds on new mulberry (*Morus* sp) varieties . *Indian J. Seric ., 30* (1) : 23-29.
- Govindan, R.; Magadum, S.B.; Bheemanna, C. and Narayanaswamy, T.K. (1987) . Influence of mulberry varieties on cocoon weight , ovariole length , ovariole egg number and fecundity in silkworm *Bombyx mori* L. *Sericologia*, **27** (1) : 25-30.
- Griyaghey ,V.P. and Sengupta, K. (1989) . Studies on the effect of some stress conditions on the incidence of disease in tasar silkworm , *Antherea mylitta*,. *Sericologia* , **29** (3) : 401-404.
- Hamano, K. and Tsuchida, K. (1989) . Effect of dietary levels of protein and pyridoxine on growth of fifth instar larvae of the silkworm *Bombyx mori*. *J.Seric. Sci. Jpn. , 58*(5) : 380-386.

- Hanif ,M.A. and Islam ,B.N. (1987) . Nutrient contents of mulberry leaves and their effect on silk production by *Bombyx mori* L. *Bangladesh J. Zool.*, **15(2)** : 131-136.
- Haque,T.; Haque, K.T. and Rahman ,S.M. (1990). Performance of some silkworm races feeding on different mulberry cultivars of Bangladesh . *Bull. Seric. Res.*, **1** : 25-40.
- Horie, Y. and Watanabe, K. (1983a) . Daily utilization and consumption of dry matter in food by the silkworm , *Bombyx mori* (Lepidoptera : Bombycidae). *Appl. Ent. Zool.* , **18** : 70-80.
- Horie, Y. and Watanabe, K. (1983b). Effect of various kinds of dietary protein supplementation with limiting amino acids on growth , haemolymph components and uric acid excretion in the silkworm *Bombyx mori* *J. Insect Physiol.* , **29** (2) : 187-199.
- Horie,Y. and Watanabe, K. (1985) Daily utilization and consumption of dry matter in food by the silkworm , *Bombyx mori* . (Lepidoptera) : Bombycidae) . *Appl. Ent. Zool.* , **20** : 62-72.
- Horie, Y. and Watanabe ,K. (1986) . Daily utilization of nitrogen in food bysilkworm *Bombyx mori* (Lepidoptera : Bombycidae).*Appl.Ent.Zool.*,**21(2)** : 289-298.
- Ito,T. (1960). Nutritive value of carbohydrates for the silkworm *Bombyx mori* L. *Nature*, **187**: 527-531.
- Ito, T. and Arai, N. (1965). Nutrition of the silkworm *Bombyx mori* . III . Amino acid requirements and nutritive effects of various proteins . *Bull . Seric. Exp. Sta.*, **19** : 370 -372.
- Joshi ,K.L. (1984) . Sex-specific consumption and utilization of food by silkworm,

Philosamia ricini Hutt. (Lep.: Saturniidae). *Sericologia*, **24(1)**: 21-27.

Kabir, N.E. (1987). Package of Practices for mulberry cultivation in West Bengal .
Indian Silk, **26 (7)** .

Karimullah ,Q.J.; Ahmed, M.I.; Hafiz, I.N.; Ashid, M.N. and Shah, F. (1989).
Effect of some varieties of mulberry on the development of *Bombyx mori*
L. and cocoon qualities. *Sarhad J. Agric .*, **5(5)** : 489-492.

Kasiviswanathan,K. and Sitaram Iyengar , M.N. (1965) . Preliminary observations
on the varietal - cum - irrigational response to different 'N' levels on the
seasonal and total yield of mulberry. *Indian J.Seric.*, **4** : 22-23.

Kasiviswanathan ,K . ; Sitaram Iyengar, M.N. and Venkataramu, C.V. (1977).
Studies on dry farming of mulberry in Mysore . *Indian J. Seric .* **14** :34-42.

Kajuto , S. and Hidejiro , T. (1987) . Seasonal changes of carbohydrate
constituents in grown-up mulberry tree. *J. Seric. Sci. Jpn. ,* **56(2)** : 99-
105.

Kitano , M. ; Fujihara , H. and Kohno, K. (1988). Effect of phosphorus applied
as fertilizers to the mulberry plants *J.Seric. Sci.Jpn. ,* **57(1)** : 1-7.

Krishnaswami, S.;Asan, M. and Sriharan, T.P. (1970). Studies on the quality of
mulberry leaves and silkworm cocoon crop production Part II . Quality
differences due to leaf maturity. *Indian . J. Seric.*, **9(1)**.

Krishnaswami, S.; Noamani, K.R. and Asan, M. (1970). Studies on the quality of
mulberry leaves and silkworm cocoon crop production. Part I. Quality
differences due to varieties. *Indian .J.Seric.*, **9(1)**.

Krishnaswami, S.; Sriharan, T.P. and Ashan, M. (1972). Ecological studies on
silkworm rearing to prevent crop losses in adverse seasons in West
Bengal. *Indian J. Seric.*, **11(2)** : 72-78.

- Kuberappa, G.C. and Jayaramaiah ,M. (1987). Influence of temperature and humidity on the growth and development of the fungus , *Beauveria bassiana* (Bals)Vuill ., a strain on the silkworm , *Bombyx mori* L. Mysore *J.Agric. Sci. , 21* : 184-188.
- Kuribayashi, S.; Suda, Y. and Koosaka , T. (1990) . Studies on the food utilization efficiency in the silkworm , *Bombyx mori* L . reared on mulberry leaves. *Bull . Natt. Inst. Seric. Entomol. Sci. , 0(1)* : 81-102.
- Li, R. and Sano, R. (1984) . The relationship between quality of mulberry leaves and some economic characters during the later larval stages . *Science of Sericulture (Canye kexue) , 10(4)* : 197-201 .
- Lowry O.H. , Rosenfrough N.J. , Farr A.L. ,and Randal Jr (1951) . Protein measurement with Folin-phenol reagent . *J.biol Chem* 193,265-275.
- Machii, H. and Katagiri, K (1990) .Varietal differences in food value of mulberry leaves with special reference to production efficiency of cocoon shell .*J. Seric. Sci .Jpn .,59(1)* : 34-42.
- Magadum, S.B.; Remadevi, O.K.; Shivashankar and Datta ,R.K .(1996). Nutritional indices in some bivoltine breeds of silkworm , *Bombyx mori* L. *Indian.J.Seric .,35(2)* :95-98 .
- Magadum, S.B. ;Remadevi ,O.K.; Shivashankar, N .;Dutta, R.K.(1992).Studies on nutritional indices : Breed differences in the food utilization efficiencies of silkworm , *Bombyx mori* .L during fifth instar .National Conference on Mulberry Sericulture Research , Dec.,10-11.
- Masao, N. and Jun. K. (1990). Effects of nutrition on storage protein concentrations in the larval hemolymph of the silkworm, *Bombyx mori* . *J.Seric. Sci.Jpn., 59(6)* : 469-474.
- Masae Yamada : Kerong , H.E. and Katuko Inamatu (1992). Amino acid contents

in the leaves of mulberry plants grown in fields with different soil under different condition of fertilizer management . *J. Seric. Sci. Jpn.* , 61(6) : 469-479.

Minoru Kitano ; Haruo Fujihara and Kiyoshi Kohno (1988). Effect of phosphorus applied as fertilizer to the mulberry plants. *J.Seric.Sci. Jpn.*, **57(1)** : 1-7.

Mishra, A.B. and V.B. Upadhya (1992). Nutritional efficiency of bivoltine silkworm , *Bombyx mori* Linn., larvae at the higher regimes of relative humidity . *J.Adv. Zool.*, **13(1 & 2)** : 16-18.

Muslin, M.M. (1986) . Trials on multiple silk worm rearing in Spring -post spring seasons in Pakistan. *Pak.J.For.*, **36(1)** : 5-8.

Narayan, E.S.; Kashiviswanathan, K.; Sitaram Iyengar, M.N. (1966). Effects of varietal feeding irrigation levels and nitrogen fertilization on the larval development and cocoon characters of *Bombyx mori* L. *Indian. J.Seric.*, **1**.

Narayanaprakash, R.; Periasamy, K. and Radhakrishnan, S. (1985) . Effect of dietary water content of food utilization and silk production in *Bombyx mori* L. (Lepido ptera : Bombycidae). *Indian. J. Seric.*,**24(1)** : 12-27.

Pain ,A.K. (1965). Effect of NPK fertilizers and their combinations on the yield and nutritive value of mulberry . *Indian. J.Seric.*, **4**:1-8.

Pant,R.: Ramana , D.and Sarkar , A. (1986). Consumption and utilization of feed in *Philosamia ricini* larva during development. *Sericologia* , **26**:49-54.

Paul ,D.C.; Subba Rao, G. and Deb, D.C. (1992). Impact of dietary moisture on nutritional indices and growth of *Bombyx mori* and concomitant larval duration.*J.Insect Physiol.*, **38 (3)** : 229 -235.

Periasamy, K. and Radhakrishnan , S. (1985) . A quantitative study of food utilization and silk production in *Bombyx mori* L. evaluation of superior varieties of mulberry. *Sericologia*, **25(4)**: 492-500 .

- Petkov , N. and Mircheva , D. (1979). Study on the consumption and digestability of nutrients in leaves of different mulberry varieties in silkworm trials. I - Spring silkworm feeding. *Animal Science*, **16(3)** : 123-128.
- Plummer, D.T. (1979) . An introduction practical Biochemistry 2 nd edition , TATA Mccoraw hill, New Delhi , **183**.
- Prabhakara ,M.K.; Reddy, D.N.R and Narayanaswamy, K.C. (1995) Quantitative characters in three races of silkworm *Bombyx mori* L as influenced by different mulberry varieties . *Geobios.*, **22(1)** : 25-29.
- Quader , M.A. ; Sarkar, A.A. and Ahmed , S. U. (1989) . Nutritional quantity of mulberry leaves raised under different forms of cultivation. *Bangladesh J.Agric .*, **14(1)** :45-50.
- Quader, M.A. (1991) . Varietal differences and correlation studies in the nutritional composition of a mulberry. *Sericologia*, **31(3)** : 449-453.
- Quader , M.A. ; Quiyyum , M.A. ; Sarkar and Rab, M.A. (1990) . Effect of NPK fertilizers in combination with foliar spray of urea on leaf yield and nutritional composition of mulberry. *Bull. Seric. Res.* , **1** : 1-5.
- Quader, M.A. ;Sarkar ,A.A. and Ahmed, S.U. (1991). Comparative study on a nutritive value of bush , lowcut and tree mulberry leaves at different maturity stages. *Sericologia* , **31(3)** :429-435.
- Quader , M.A. ; Haque , R. and Absar , N. (1992) . Nutritive effect of different types of mulberry leaves on larval growth and cocoon characters of *Bombyx mori* L. *Pak.J.Zool. Seric. Res.*, **2** : 82-86.
- Qaiyyum, M.A. ;Quadar,M.A. ; Ali ,R. and Bari,M.A. (1991) . Studies on leaf yield and nutritive value in different cultivation forms of BSRM -5 variety of mulberry . *Bull Seric. Res.*, **2**: 82-86.

- Radha, N.V. ; Lethchoumanane , S.; Rajeswari and Obliswami , G. (1978). Effect of feeding with the leaves of different mulberry varieties on the races of silkworm. All India Symposium on Seric. Sci. UAS. , Bangalore (Abstract) : p52 .
- Rahman, S.M. and Ahmed, S.U. (1988) . Stability analysis for silk yield in some promising genotypes of silkworm *Bombyx mori* L . International Congress on Tropical Sericulture Practices ,(Bangalore), Feb . **18-23** .
- Rajanna, L. and Dandin, S.B. (1992). Effect of different methods and time of nitrogen application at different levels of yield of mulberry. National Conference on Mulberry Sericulture Research . Dec., 10-11.
- Rajanna, L. ; Roy Chowdhuri, S.; Subba Rao ,G. and Kalappa, H.K. (1992) . Studies on the production of bivoltine hybrids as influenced by seasons at Nilgiri hills ,Tamilnadu. National Conference on Mulberry Sericulture Research.. Dec. ,**10-11** .
- Ramesh Babu, N. ; Bhargava, S.K. ; Jhiagarajan, V. and Nagraj, B. (1992) . Performance of silkworm cocoon crops under the Nilgiri Hill conditions . National Conference on Mulberry Sericulture Research. Dec., **10-11**.
- Ravi, S.R. (1967) Field performance and variation in cocoon parameters of commercial hybrids of silkworm *Bombyx mori* L in Karnataka . Thesis accepted for the award of P.G. Degree in a University of Agricultural Science , Bangalore.
- Ray, N. ; Bhattacharya , A. ; Senapati , S.K. and Deb , D.C. (1998) . Selection of mulberry varieties (*Morus* sp.) based on yield , nutritional elements and its bearing upon bivoltine silkworm (*Bombyx mori* L.) for larval traits . *Environ. & Ecol.* , **16(1)** : 91-94.
- Remadevi, O.K. ; Magadum , S.B. ; Shivashankar , N. and Benchamin , K.V. (1992). Evaluation of the food utilization efficiency of some polyvoltine breeds of silkworm , *Bombyx mori* L.. *Sericologia* , **32(1)** : 61-66.

- Riba , G. ; Katagiri , K.and Kawakami , K. (1982). Preliminary studies on the susceptibility of bivoltine silkworm *Bombyx mori* L . to some entomogenous hyphomycetes. *Appl. Ent. Zool.*, **17(2)** : 238-243.
- Roy Chowdhuri, S.; Rajanna, L.; Subba Rao, G. and Mani, A. (1992). Impact of climatic factors on the rearing performance of bivoltine at Yelagiri hills Tamilnadu . National Conference on Mulberry Sericulture Research , Dec 10-11.
- Saha , S.K. (1998). Effect of pruning and fertilizers on quality as well as yield of mulberry leaf under terai region of West Bengal. Thesis submitted to Visva-bharati for the degree of Ph.D.
- Sarkar , A.A. ; Quader , M.A. ; Rab, M.A. and Ahmed , S.U. (1992). Studies on the nutrient composition of some indigenous and exotic mulberry varieties. *Bull. Seric. Res.*, **3** : 8-13.
- Satish , G. (1987) Ecological and Pathological studies on a nuclear polyhedrosis disease of a silk worm *Bombyx mori* L. Thesis accepted for a award of P.G. Degree in the University of Agricultural Science , Bangalore.
- Satyanarayan Raju , C. ; Chandrashekaraiah and Venugopla Pillai , S. (1990). Performance of bivoltine breeds of silkworm *Bombyx mori* L . as influenced by mulberry varieties in high altitude. *Indian J. Seric.*, **29(2)** : 162-167.
- Scriber , J. M. (1978). The effects of larval feeding specialization and plant growth form on the consumption and utilization of plant biomass and nitrogen : an ecological consideration. *Entomol. Exp. Appl.* , **24** : 694-710.
- Senapati, S.K. (1989) . Consumption and utilization of gram grain by a larvae of *Heliothis armigera* Hubner (Noctuidae . Lepidoptera) . *Ann. Entomol.*, **7 (1)** : 17-19.

- Riba , G. ; Katagiri , K.and Kawakami , K. (1982). Preliminary studies on the susceptibility of bivoltine silkworm *Bombyx mori* L . to some entomogenous hyphomycetes. *Appl. Ent. Zool.*, **17(2)** : 238-243.
- Roy Chowdhuri, S.; Rajanna, L.; Subba Rao, G. and Mani, A. (1992). Impact of climatic factors on the rearing performance of bivoltine at Yelagiri hills Tamilnadu . National Conference on Mulberry Sericulture Research , Dec 10-11.
- Saha , S.K. (1998). Effect of pruning and fertilizers on quality as well as yield of mulberry leaf under terai region of West Bengal. Thesis submitted to Visva-bharati for the degree of Ph.D.
- Sarkar , A.A. ; Quader , M.A. ; Rab, M.A. and Ahmed , S.U. (1992). Studies on the nutrient composition of some indigenous and exotic mulberry varieties. *Bull. Seric. Res.*, **3** : 8-13.
- Satish , G. (1987) Ecological and Pathological studies on a nuclear polyhedrosis disease of a silk worm *Bombyx mori* L. Thesis accepted for a award of P.G. Degree in the University of Agricultural Science , Bangalore.
- Satyanarayan Raju , C. ; Chandrashekaraiiah and Venugopla Pillai , S. (1990). Performance of bivoltine breeds of silkworm *Bombyx mori* L . as influenced by mulberry varieties in high altitude. *Indian J. Seric.*, **29(2)** : 162-167.
- Scriber , J. M. (1978). The effects of larval feeding specialization and plant growth form on the consumption and utilization of plant biomass and nitrogen : an ecological consideration. *Entomol. Exp. Appl.* , **24** : 694-710.
- Senapati,S.K. (1989) . Consumption and utilization of gram grain by a larvae of *Heliothis armigera* Hubner (Noctuidac . Lepidoptera) . *Ann. Entomol.*, **7 (1)** : 17-19.

- Senapati, S.K. (1989) . Consumption and utilization of Jute (*Corchorus capsularis* Linn. & *C. olitorius*) by Indigo Caterpillar *Spodoptera exigua* (Hubner) (Notuidas : Lepidoptera) . Environ. & Ecol., **7 (1)** : 109-112.
- Sengupta, K. ; Ray D. ; Singh, B.D. and Krishnaswami (1972) . Studies on the effect of high dose nitrogen fertilization of soil on the yield , chemical composition and nutritive value of mulberry leaf , as evaluated from rearing results. *Indian. J.Seric .* , **11 (1)**.
- Sengupta, K. ; Mukherjee ,S.K. ;Sikdar, A.K. ; Mustafi ,J.C. and Sengupta, D. (1973). A Co-ordinated study on the effect of variety , spacing in cultivation and levels of nitrogen fertilization of mulberry on the cocoon yield and cocoon characters of multivoltine silkworm , *Bombyx mori* L.. *Indian. J. Seric.*, **12** :39-45.
- Sengupta ,K.;, Rama Mohanna Rao, P.; Vijaya raghavan, K.; Viswanath Kannantha ; Premalatha, on the multilocational trials of promising multivoltine races. Workshop on Sericulture Extension and Management, Central Sericultural Research & Training Institute, Mysore, 30-31 August . **1989**.
- Singh, H .and Mavi, G.S. (1986) . Rearing of mulberry silkworm (*Bombyx mori* L) during autumn and spring season under a Punjab (India) conditions . *J. Entomol Res.* , **10 (1)** : 79-84.
- Singh ,B.D.; Baig ,M.; Balavenkatasubbaiah ,M.; Sharma, S.D.; Sengupta, K. and Shivarami Reddy, N. (1990) . Studies on a relative susceptibility of different breeds of silkworm (*Bombyx mori* L) to disease under natural conditions . *Indian J. Seric .* , **29(1)** : 142-144.
- Sinha, U.S.P. ; Sinha, A.K. ;Sraastava,P .and Brahmachari ,B.N. (1993) . Variation of chemical constituents in relations to maturity of leaves in mulberry varieties S1 and K1 under the agro -climatic condition of Ranchii District . *Indian. J. Seric .* , **32(2)** : 196-200.

- Sivaprakasam , N.and Rabindar , R.J. (1995). Incidence of grasserie in silkworm , *Bombyx mori* L . in selected districts of Tamil Nadu . *Indian J.Seric.* , **34** (2) : 100-104.
- Slansky,F. Jr. and Scriber, J.M. (1985) . Food consumption and utilization . In Comparative Insect Physiology , Biochemistry and Pharmacology . Ed.G.A. Kerkut and L.I. Gilbert , Pergamon press ,p 87-163.
- Soo Hoo, C.F. and Fraenkel, G. (1966). A selection of food plants in a polyphagous insect , *Prodenia eridania* (Gamer) . *J. Insect Physiol.* , **12** : 693-709.
- Sreedharan ,V.M. ;, Santakumari, M. and Boraiah, G. (1988) . Preliminary studies on the changes in the levels of protein, sugar, chlorophyll and moisture content in the developed leaves of mulberry *Morus indica*. Int. Cong. Of Tropical Sericult Proc., Bangalore, Feb., **18-23**.
- Subba Rao, G.; Chakravorty, N.G.; Nath, S.; Nath, T.N.;; Shamusuddin, M. and Sen, S.K. (1987). Scope of Bivoltine rearing in a district of Jalpaiguri (W.B.). Seminar on prospects of mulberry sericulture in the Eastern Region of India, Berhampore , 5-6 May.
- Subba Rao, G.; Chandra, A.K. and Bhattacharya , J. (1991) . Incidence of crop loss from adopted rearer's level in West Bengal due to Silkworm diseases . *Indian J. Seric.*, **30(2)** : 167.
- Sudo, M.; Sho, Y. and Okajima, T. (1979) . A relation between a leaf quality at different leaf order and silkworm growth and cocoon quality. *J. Seric. Sci. Jpn.* **46 (6)** : 439-443.
- Sudo , M. ; Sho , Y. and Okajima , T. (1981) . The relation between the leaf quality at different leaf order and silkworm growth on cocoon quality. *J.Seric . Sci. Jpn.* , **50(4)** : 306-310.

- Swamy ,M.T. and Nagraj, M. (1992). Survey of disease occurrence in mulberry silkworm rearings around Chandragiri , Chittor Andra Pradesh . National Sericulture Research , December 10-11.
- Tayade, D.S.; Unchegonkar, P.K. and Jawale, M.D. (1988) . Effect of different mulberry varieties on a economic traits of silkworm *Bombyx mori* L . under Marathwada conditions . International Congress Tropical Sericulture Practice, Bangalore , Feb 18-23.
- Tayade ,D.S. (1987) . Performance of different races of silkworm *Bombyx mori* L under Marathwada conditions. *Sericologia*, **27 (3)** : 381 -389 .
- Tayade, D.S. and Jawale, M.D. (1984) . Studies on a comparative performance of silkworm races against different varieties of mulberry under Marathwada conditions . *Sericologia*, **24 (3)** : 361 - 364.
- Theoder Agastian Simiyon, P. and Vivekanandan, M. (1992). Screening of mulberry variety for salinity tolerance. National Conference on Mulberry Sericulture Research , Dec. 10-11.
- Ueda, S.and Suzuki, K. (1967). Studies on a silkworm *Bombyx mori* L. Chronological changes of a amount of food ingested body weight and water content of a body and their mutual relationship . *Bull. Seric. Exp. Sta.*,. **22**:65-67.
- Ullal ,S.R. and Narasimhanna, M.N. (1987). Handbook of practical Sericulture Ed. (J. Sampatu). Central silk Board , Bangalore ,. India.
- Venugopala Pillai ,S. and Jolly, M.S. (1985). An evaluation on a quality of mulberry varieties under hill conditions and a crop results of *Bombyx mori* . *Indian. J. Seric.* **24** : 48-52.
- Venugopala Pillai , S. ; Krishnaswami , S. and Kasiviswanathan , K. (1987). Growth studies in silkworm , *Bombyx mori* L . under Tropical conditions II. .

Influence of agronomical methods of mulberry on the growth , cocoon crop and fecundity of silk worm. *Indian J.Seric.* , 26(1) : 32-45.

Visweswara Gowda, B.L. ; Ravi ,S.R. and Narayanaswamy, T.K. (1988a) . Field performance of some of a commercial hybrids (PM x NB4D2 ; PM x NB18; PM x C.nichi) in Karnataka. International Congress on Tropical Sericulture Practices Bangalore, Feb. 18-23.

Waldbauer, G.P. (1968). Consumption and Utilization of food by insect Adv. Insect Physiol., **5** : 229 -288.

Watanabe , K. and Horie , Y. (1979) . Effect of varying contents of amino acids in the diet on larval growth , hemolymph components and uric acid excretion in the silkworm . *Bombyx mori. J.Seric. Sci. Jpn.* , **48(1)** : 1-7.

Yamada Masae ; Kerong , H.E. and Katuko , I. (1992). Amino acid contents in leaves on mulberry plants grown in fields with different soils under different conditions of fertilizer management . *J.Seric. Sci. Jpn.*, **61 (6)** : 469-479.

Yamamoto, T. and Fujimata, T. (1960) . Interstrain differences in food efficiency of a silkworm . *Bombyx mori* , reared on artificial diet . *J. Seric. Sci. Jpn.*, **51 (4)** : 312-315.

Yamamoto , T. and Gamo, T. (1976). Studies on the breeding in relation to the improvement of the food utilisation in the silkworm *Bombyx mori* L . : Mutual relation among the amount of food ingested , the amount of food digested and several quantitative characters in the silkworm reared on the artificial diet. *J.Seric. Sci. Jpn.*, **45 (1)** : 81-86.

Yamamoto, T. and Fujimaki , T. (1982). Interstrain differences in food efficiency of the silkworm *Bombyx mori* L . reared on artificial diet . *J.Seric. Sci. Jpn.*, **51 (4)** : 312-315.

Yokoyama ,T. (1962). Synthesised science of sericulture (Translated & published by Central silk Board) . Chapter 14 : silkworm, rearing, p246 -321.

Zhang, C-X., Xu, J-L. and Wu , X-F . (1991) . Effect of dietary protein level on the growth , development and reproduction of the silkworm , *Bombyx mori* L . *Canye Kexue* , **17 (4)** : 217 -222.