

## BIBLIOGRAPHY

- Aftab Ahmed, C. A., Chandrakala, M. V., Shivakumar, C. and Raghuraman, R (1999) Food and water utilization patterns under restricted feeding durations in *Bombyx mori* of pure mysore race. *Journal of Experimental Zoology*. India, 129-134.
- Agarwal, S. C., Jolly, M. S. and Sinha, A. K. (1980) Foliar constituents of secondary food plants of tasar silkworm, *Antheraea mylitta* D. *Indian Forester*, 106: 846-581.
- Akai, H. (2000) A successful example of wild silk development from *Cricula trifenestrata* in Indonesia. *International Journal of Wild Silkworm and Silk*, 5:91-97.
- Alessio, H. M., Hagerman, A. E., Romanello, M. (2002) Consumption of green tea protects rats from exercise-induced oxidative stress in kidney and liver. *Nutrition Research*, 22, 1177-1188.
- Altman, G. H., Diaz, F., Jakuba, C., Calabro, T., Horan, R. L., Chen, J., Lu, H., Richmond, J. and Kaplan, D. L. (2003) *Silk-based Biomaterials*. *Biomaterials*, 24(3):401-416.
- Alugah, C. I. and Ibraheem, O. (2014) Whole plant screenings for flavonoids and tannins contents in Castor plant (*Ricinus communis* L.) and evaluation of their biological activities. *International Journal of Herbal Medicine*, 2(2): 68-76.
- Anantharaman, K.V., Mala, V. R, Magadam, S. B. and Datta, R. K. (1995) Effect of season and mulberry varieties on the feed conversion efficiencies of different silkworm hybrids of *Bombyx mori* L. *Uttar Pradesh Journal of Zoology*, 15: 157-161.

- Anautlia Raman, K. V., Benchamin, K. V., Magadum, S. B., Remadevi, O. K. and Datta R. K. (1993) Studies on the nutritional efficiency in silkworm, *Bombyx mori* L. *Indian Journal of Sericulture*, 32 : 43-49.
- Anjani, K. (2012) Castor genetic resources: A primary gene pool for exploitation. *Industrial Crop Production*, 35: 1-4.
- Anjani, K., Pallavi, M., Babu, S. N. S. (2010) Biochemical basis of resistance to leaf miner in castor (*Ricinus communis* L.). *Industrial Crop Production*, 31, 192–196.
- Anonymous (2014) Note on the performance of Indian silk industry, ([www.csb.gov.in/assets/Uploads/pdf-files/NOTE-ON-SERICULTURE.pdf](http://www.csb.gov.in/assets/Uploads/pdf-files/NOTE-ON-SERICULTURE.pdf)).
- AOAC (1970) Official Methods of Analysis, 10th ed. Association of official Analytical Chemist, Washington D.C.
- Arora, G. S. and Gupta, I. J. (1979) Taxonomic studies on some of the Indian non-mulberry silk moths (Lepidoptera: Saturniidae: Saturniinae). *Memoirs of the Zoological Survey of India*, Calcutta, 16:1-63.
- Aruga, H. (1994) Principles of Sericulture, Oxford and IBH Publishing Co. Pvt. Ltd. New Delhi, Bombay, Calcutta, pp.358-365.
- Aryee, F. N. A., Oduro I., Ellis, W. O. and Afuakwa, J. J. (2006) The physicochemical properties of flour samples from the roots of 31 varieties of cassava. *Food Control*, 17: 916–922.
- Ashok, P. K., Upadhyaya, K. (2012) Tannins are Astringent. *Journal of Pharmacology and Phytochemistry*, 1(3): 45-49.
- Assam Human Development Report 2003. Planning and Development Department, Government of Assam, Guwahati.

- Bajpai, A. K., Verma, M., Tewari, A., Kumar, D. and Behera, D. (2006) Ericulture: A ray hopes for under privileged in Uttar Pradesh, India. *Proceeding of Regional seminar on Prospects and problems of sericulture an economic enterprise in North West India. Held at Dehradun 11<sup>th</sup> -12<sup>th</sup> November.*
- Barthakur, S. (1986) Economics of Handloom Weaving of the Bodo People of Goalpara District, unpublished Ph.D. thesis. Guwahati, Assam: Gauhati University.
- Basaiah J. M. M., Reddy, D. N. R. and Krishnamurthy R. V. (1990) Consumption and utilization of food by eri silkworm, *Samia cynthia ricini* Boisduval. *Entomology*, 15: 95-96.
- Basaiah, J. M. M. (1988) Consumption and utilization of castor and tapioca by the eri silkworm. M.Sc. (Sericulture) Thesis, UAS, Bangalore, 119.
- Batish, S. and Naurial, P. (2003) An analysis of income generating activities by rural women. *Himachal Journal of Agricultural Research*, 29 (1 and 2): 89-95.
- Benchamin, K. V. and Jolly, M. S. (1984) Studies on ingestion, digestion and conversion efficiency in polyvoltine and bivoltine silkworm breeds (*B. mori* L.). *Proceedings of 3rd Oriental Entomological Symposium. Trivandrum, India*, pp. 195-206.
- Benchamin, K. V. and Jolly, M. S. (1986) Principles of silkworm rearing, *Proceedings of seminar on 'Prospects and problems of Sericulture'*. Edi. S. Mahalingam, Madras: 63-108.
- Benchamin, K. V. and Jolly, M. S. (1987) Employment and Income generation in the rural areas through sericulture. *Indian Silk*, 25 (2):12-13.
- Bergström, J., Wiklund, C., Kaitala, A. (2002) Natural variation in female mating frequency in a polyandrous butterfly: effects of size and age. *Animal Behaviour*, 64:49-54.

- Bergstrom, R. W., Pilewskie, P., Schmid, B. and Russell, P. B. (2003) Estimates of the spectral aerosol single scattering albedo and aerosol radioactive effects during SAFARI 2000. *Journal of Geophysical Research*, 108 (D13), SAF 10-1.
- Berman, P., Nizri, S. and Wiesman, Z. (2011) Castor oil biodiesel and its blends as alternative fuel. *Biomass and Bioenergy*, 35: 2861–2866.
- Bhatia, N. K. and Yousuf, M. (2014) Effect of rearing season, host plants and their interaction on economical traits of tropical tasar silkworm, *Antheraea mylitta* Druryan overview. *International Journal of Industrial Entomology*, 29(1): 93-119.
- Bhattacharya, A. K. and Pant, N. C. (1976) Studies on the insect host plant relationship. Consumption and utilization profile in insect. *Proceedings of the National Academy of Sciences. India*, 46 (8): 273-299.
- Bhattacharya, A., Bindroo, B. B. and Chakravorty, R. (2006) Additional uses of food plants of eri silkworms. *Leeds paper and abstract of National workshop on eri food plants. Held at Guwahati, 11<sup>th</sup>-12<sup>th</sup> October.*
- Bindroo, B. B., Singh, N. T., Sahu, A. K. and Chakravorty, R. (2007) Eri silkworm host plants. *Indian silk*, 5:13-16.
- Birchler, J. A., Auger, D. L. and Riddle, N. C. (2003) In search of the molecular basis of heterosis. *Plant Cell*, 15: 2236-2239.
- Biswas, N. and Das, P. K. (2001) Effect of food plants species on rearing performance of eri silkworm *Samia ricini* Donovan. *Bulletin of Indian Academy of Sericulture*, 5 (1), 36-39.
- Bongale, U. D. and Chaluvachari (1995) Evaluation of eight mulberry germplasm varieties by leaf biochemical and bio-assay moulting studies. *Sericologia*, 35: 83-94.
- Bongale, U. D. and Chaluvachari, (1993) Evaluation of four mulberry varieties by leaf biochemical analysis and bioassay with *Bombyx mori* L. *Journal of Indian Botanical Society*, 72: 59-62.

- Bongale, V. D. Chaluvachari, B. V. and Rao N, (1991) Mulberry leaf quality evaluation and its importance. *Indian Silk*, 39 (8), 51-53.
- Booth, J. E. (1996) Principles of textile testing: An introduction to physical methods of testing textile fibres, yarns and fabrics, Third Edition, CBS Publishers and distributors, 353-360.
- Bose, P. C., Majumdar, S. K. and Sengupta, K. (1991) A comparative biochemical study of six mulberry (*Morus alba* L.) varieties. *Indian Journal of Sericulture*, 30(1): 83-87.
- Bradbury, J. H. and Holloway, W. D. (1988) Cassava, *M. esculenta*. Chemistry of tropical root crops: significance for nutrition and agriculture in the Pacific. Australian Centre for International Agricultural Research, monograph nr 6, Canberra, Australia, p 76-104.
- Bradbury, J. H. and Holloway, W. D. (1988) Chemistry of tropical root crops. Canberra, Australian Centre of International Agriculture Research.
- Brahma, D. (2015) Effect of rearing seasons on the economic parameters of crossbreed silkworm between *Samia ricini* and *Samia canningi*. *International Journal of Pharma and Bio Sciences*, 6(4): (B) 875 – 881.
- Brahma, K. (1998) A Study in cultural heritage of the Bodos. Bina Library: Guwahati.
- Brahma, K. B. (1989) Aspects of social customs of the Bodos. Bina Library: Guwahati.
- Briskin, D. P. (2014) Medicinal Plants and Phytomedicines. Linking Plant Biochemistry and Physiology to Human Health. *American Society of Plant Biologists*, 124: 507-513.
- Brues, C. T. (1946) Insect dietary, Cambridge, Mass, pp 466.
- Buitrago, A. J. A. (1990) The use of cassava in animal feeding. Centro Internacional de Agricultura Tropical (CIAT), Cali (Colombia), p. 446.
- Census of India, (2001) New Delhi, Planning Commission.

- Chakravorty, R. and Neog, K. (2006) Food plants of eri silkworm, *Samia ricini* (Donovan), their rearing performance and prospects for exploitation. In: Plants, Chakravorty, R., Rahman, S. A. S., Neog, K. (Eds.), *Proceeding on National Workshop on Eri Food*. Central Muga Eri Research and Training Institute, Jorhat, India, pp. 1-7.
- Chaluvachari and Bongale, U. D. (1994) Leaf quality evaluation of selected mulberry genotypes by biochemical and bioassay studies. *Proceedings of the Fourth All India Conference on Cytology and Genetics held at Karnataka State Sericulture Research and Development Institute, Thalaghattapura, Bangalore, Karnataka, India*, pp.121-124.
- Chandra, M. (1999) Post-inflectional biochemical changes in the leaves of food plants of eri silkworms. Unpublished Ph.D. Thesis. Bangalore University, Bangalore, India.
- Chandrappa, D., Govindan, R. and Sannappa, B. (2005) Nutrient status of leaves of some castor genotypes in Eastern dry zone of Karnataka. *International Journal of Agriculture Sciences*, 2: 225-227.
- Chandrappa, D., Govindan, R. and Sannappa, B. (2005) Quality and biochemical constituents of leaves as influenced by some castor genotypes. *International Journal of Agriculture Science*, 177-179.
- Chandrashekhar, S., Sannappa, B., Manjunath, K. G. and Govindan, R. (2013) Nutritive value of leaves in different genotypes of castor (*Ricinus communis* L.). *Indian Journal of Plant Sciences*, 2(2): 22-27.
- Chaoba Singh, K. and Suryanarayana, N. (2003) Eri pupae A popular cuisine too. *Indian Silk*, 41(12): 57-58.
- Chari, T. V. R. (1983) Vistas employment for needy women and disabled. *Social Welfare*, 38(11): 14-16.

- Charles, A. L., Sriroth, K. and Huang, T. C. (2005) Proximate composition, mineral contents, hydrogen cyanide and phytic acid of 5 cassava genotypes. *Food Chemistry*, 92:615-620.
- Chinya, P. K., Gopal Nisha, Kumar Ashok, K., Kumar Aswani, C., Chowdhary, N. B. and Dutta, R. K. (2000) *Proceeding of the national conference on "Strategies for sericulture research and development"* Editors; S. B. Dandin and V. P. Gupta, 16-18 Nov. 2000, p 315-318.
- Choudhury, S. K. (2003) Eri pupae oil. *Indian silk*, 4, 55-56.
- Chowdhary, S. N. (2006) Host plants of eri silkworm (*Samia ricini* Boisduval). Their distribution, economic and prospects etc. *Proceeding Leeds paper of National workshop on Eri food plants, Held at Guwahati 11 th -12<sup>th</sup> October*, p. 28-37.
- Chowdhury, S. N. (1960) Recent studies in eri silkworm. *Indian Silk*, 1(1), 33-35.
- Chowdhury, S. N. (1981) Muga silk industry, Director of Sericulture and Weaving, Assam, Guwahati, 35, 36, 82.
- Chowdhury, S. N. (1982) Eri Silk Industry, Directorate of Sericulture and Weaving, Government of Assam, Guwahati, p.76, 77, 177.
- Chowdhury, S. N. (1984) 'Sericulture in Assam Past, Present and Future', paper presented in the seminar on 'Sericulture and Handloom Industries', organized by Directorate of Sericulture, Government of Assam.
- Chowdhury, S. N. (1984) Mulberry Silk Industry, Greham, Dibrugarh, Assam, India, p.270.
- Chowdhury, S. N. (1992) Silk and Sericulture. Published by Directorate of Sericulture, Assam.
- Chowdhury, S., Sontakke, P. P., Bhattacharjee, J., Bhattacharjee, D., Debnath, A., Kumar, A. and Datta, J. (2015) An overview of edible insects in Eastern Himalayas: Indigenous traditional food of tribals. *Ecology, Environment and Conservation Journal*, 21(4), 1941-1946.

- Clarke, A. (2003) Costs and consequences of evolutionary temperature adoption. *Trends in Ecological Evolution*, 18(11): 573-581.
- Craig, C. L. (1997) Evolution of arthropod silks. *Annual Review of Entomology*, 42:231-267.
- Craig, C. L. and Riekel, C. (2002) Comparative architecture of silks, fibrous proteins and their encoding genes in insects and spiders. *Comparative Biochemistry and Physiology*, 133:493-507.
- Crotch, W. J. B. (1956) A silk moth rearers' hand book. Amat. Ento. Soc. Buncle and Co., Arbroath, pp: 84-85.
- Das, D. C. (2002) A Study of Muga Culture with Reference to Income and Employment Generation; Unpublished Ph. D. thesis submitted at Gauhati University, P-42.
- Das, K. and Das. R (2003) Growth and development of muga silkworm feed on different food plants. *Indian Silk*. 11, pp 19-21.
- Das, M. (2006) Empowerment of Women through Ericulture: A Case Study in Sarukhetry Community Development Block, paper presented in the National Seminar on 'Rural Development Through Women's Empowerment with Special Reference to The North-East', sponsored by University Grant Commission and organized by B.H. College, Barpeta, 10-11 February.
- Das, P. K., Singh, B. K. and Bhatt, M. M. (2006) Effect of host plants on augmentation of eri silkworm seed, *Leeds paper and abstract of National workshop on eri food plants. Held at Guwahati 11<sup>th</sup>-12<sup>th</sup> October, 122-123.*
- Das, S., Chattopadhyay, R., Gulrajani M. L. and Sen, K. (2005) Study of property and structural variants of mulberry and tasar silk filaments. *AUTEX Research Journal*, 5(2):81-86.



- Dayashankar, K. N. (1982) Performance of eri silkworm *Samia cynthia ricini* Boisduval on different host plants and economics of rearing on castor under Dharwad conditions. M.Sc. Thesis, University of Agricultural Sciences, Bangalore, India.
- De, U. K. and Das, M. (2010) Scope of Ericulture in Assam: A Micro-Econometric Analysis. *Journal of Agricultural Extension and Rural Development*, 2(6), 106-115.
- Debaraj, Y., Datta, R. N., Das, P. K. and Benchamin, K. V. (2002) Eri silkworm crop improvement- A Review. *Indian Journal of Sericulture*, 41(2):100-105.
- Debaraj, Y., Singh, B. K., Das, P. K. and Suryanarayan, N. (2003) Payam: an evergreen host plant of eri silkworm. *Indian Silk*, 42(1), 5-6.
- Dederer, P. H. (1907) Spermatogenesis in *Philosamia cynthia*. *The Biological Bulletin*, 13:94-106.
- Dederer, P. H. (1915) Oogenesis in *Philosamia cynthia*. *Journal of Morphology*, 26(1):1-42.
- Defoliart, G. R. (1989) The human use of insects as food and feed. *Entomological Society of America*, 35, 22-35.
- Delvi, M. R., Radhakrishna, P. G. and Pasha, N. (1988) Effect of leaf ration on dietary water budget of the larvae of silkworm *Bombyx mori* L. and eri silkworm *Philosamia ricini*. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 97(3): 197-202.
- Deodikar, G. B. and Thakar, C. V. (1958) Cytogenetic studies in Indian silkworms. I. Preliminary observations on spermatogenesis in castor silkworm, *Attacus ricini*. *Current Science*, 27:457-458.
- Devaiah, M. C. and Dayashankar, K. N. (1982) Effect of different host plants on the economic traits of eri silkworm, *Samia cynthia ricini* Bois. (Lepidoptera: Saturniidae). *Abs. Nat. Sem.on Silk Res. and Dev., CSB, March, 10- 13, Bangalore*. p.152.

- Devaiah, M. C., Rajashekargouda, R. and Yelshetty, S. (1988) Effect of castor, tapioca and their combinations on the growth and development of the larvae and cocoon characters of *Samia cynthia ricini* Boisduval. *International Congress on Tropical Sericultural Practices, Bangalore February*, p. 33.
- Devaiah, M. C., Rajshekhargouda, R., Yelshetty S. and Govindan, R. (1985) Growth and silk production in *Samia Cynthia ricini* Boisduval feed on four different host plants. *Indian Journal of ericulture*. XXIV, pp 33-35.
- Devi, D., Talukdar, B., Dutta, S. and Baruah K. C. (2011) Sericin content of cocoons of *Antheraea assamensis* Helfer at different eco-climatic conditions, *Indian Journal of Sericulture*, 50(1):34-38.
- Doley, A. K. I. and Kalita, J. (2011) An investigation on edible insects and their role in Socio-economic development of rural communities: A case study on Edible insects of Dhemaji District of Assam (India). *Social Science Researcher*, 1.1:1-11.
- Dookia, B. R. (1980) Varied silk ratio in cocoons of eri silkworm (*Philosamia ricini* Hutt.) reared on different castor varieties in Rajasthan. *Indian Journal of Sericulture*, 19, 38-40.
- Dookia, B. R. (1984) Studies on Ericulture for exploitation as a Cottage Industry, Unpublished Ph. D thesis submitted at the University of Jodhpur, Jodhpur, Rajasthan.
- Dookia, B. R. (1986) Biological studies of the Eri silkworm, (*Philosamia ricini*) on four castor varieties in semi-arid climate of Rajasthan. *Sericologia*, 2(3), 33-34.
- Dutta, L. C. (2000) Effect of castor varieties on growth, nutrition and cocoon characters of eri silkworm, *Samia cynthia ricini* Boisduval, Ph.D. Thesis, AAU, Jorhat.
- Dutta, L. C. and Kalita, D. N. (1997) Food consumption and utilization by the larvae of Eri silk (*Philosamia ricini* Hutt.) in different food plants. *Journal of applied zoological researches*, 8(2): 143-144.

- Dutta, L. C., Kalita, M. N. and Sarkar, C. R. (1997) Foliar constituents of the food plants of muga silkworm *Antheraea assama* Westwood. *Indian Journal of Sericulture*, 36 (1): 85-86.
- Dutta, L. C., Saikia, M. K. and Dutta, S. K. (1996) Nutritional efficiency of two multivoltine breeds of *Bombyx mori* L. native to Assam. *Indian Journal Sericulture*, 35:32-34.
- Dutta, P. C. (1983) Economics of Silk Production in Assam, Agro-Economic Research Centre and Assam Agriculture University, Jorhat, Assam, P-13.
- Dutta, P. C. (1988) Problems and Prospects of Silk Production in Assam with Special Reference to Sibsagar district, Unpublished Ph. D. thesis submitted at Dibrugarh University, P-41.
- Dutta, P. P. and Khanikor, D. P. (2005) Rearing performance of Eri Silkworm *Samia ricini* with interchange of food plants in different seasons. *Bulletin of Indian Academy of Sericulture*, 9(2):31-35.
- Eaton, F. M. (1942) Toxicity on accumulation of chloride and sulphate salts in plant. *Journal of Agricultural Research*, 64, 359-399.
- Emmanuel, O. A., Clement, A., Agnes, S. B., Chiwona-Karlton, L. and Drinah, B. N. (2012) Chemical composition and cyanogenic potential of traditional and high yielding CMD resistant cassava (*Manihot esculenta* Crantz) varieties. *International Food Research Journal* 19(1): 175-181.
- Endle, S (1975) The Kochari. Cosmo publication Delhi. p – 20, 21.
- FAO. (1995) Women, Agriculture and Rural Development: A Synthesis Report of the Near East Region. Sustainable Development Department (SD), Food and Agriculture Organization of the United Nations (FAO).
- FAO. (2008) Cassava for food and energy security investing in cassava research and development could boost yields and industrial uses. FAO Newsroom (editor), July. Rome, Italy. (<http://www.fao.org/newsroom/EN/news/2008/1000899/index.html>.)

- Fedic, R., Zurovec, M. and Sehnal, F. (2002) The silk of Lepidoptera. *Journal of Insect Biotechnology and Sericology*, 71:1-15.
- Finke, M. D., Verde, R. and Arizona, (2012) Complete Nutritional Content of four species of feeder insects, *Zoo Biology*, 00, 1-15.
- Freddi, G., Mossotti, R. and Innocenti, R. (2003) Degumming of silk fabric with several proteases. *Journal of Biotechnology*, 106(1):101-112.
- Frutos, P., Hervas, G., Giraldez, F. J. and Mantecon, A. R. (2004) Review: Tannins and ruminant nutrition. *Spanish Journal of Agricultural Research*, 2(2):191-202.
- Fukuda, T. (1960) The correlation between the mulberry leaves taken by the silkworm, the silk protein in the silk gland and the silk filament, *Bulletin of the Sericultural Experiment Station Japan*. 15(4): 605-610.
- Fukuda, T., Higuchi, Y. and Matsuda, M. (1961) Artificial Food for Eri-silkworm Raising. *Agricultural and Biological Chemistry*, 25(5), 417-420.
- Fukuda, T., Kamegama, T. And Matsuda, M. (1963) A correlation between the mulberry leaves consumed by the silkworm larva in different ages of the larval growth and production of the fibre spun by the silkworm larva and the eggs laid by the silkworm. *Bulletin of the Sericultural Experiment Station Japan*, 18(2): 165-171.
- Fukuda, T., Sudo, M., Matuda, M., Hayashi, T. and Horiuhi, M. F. (1959) Formation of silk protein during the growth of the silkworm larvae, *Bombyx mori* L. In: *Proc. 4th Internaional Congress on Biochemistry*, 12:90-112.
- Gaginella, T. S., Capasso, F., Mascolo, N., Perilli, S. (1998) Castor oil: new lessons from an ancient oil. *Phytotherapy Research*, 12(S1): S128-S130.
- Gajeraa, B. B., Kumara, N., Singha, A. S., Punvara, B. S., Ravikirana, R., Subhasha, N., Jadejab, G. C. (2010) Assessment of genetic diversity in castor (*Ricinus communis* L.) using RAPD and ISSR markers. *Industrial Crops and Products*, 32, 491-498.

- Gargi, K. R., Prasad, D. N. and Chakrovarty, R. (1994) Intercropping in mulberry. *Indian Silk*, 32(7), 13-15.
- Ghosh, A., Ishtiaque, S. M. and Rengasamy, R. S. (2005) Analysis of spun yarn failure, Part I: Tensile failure of yarns as a function of structure and testing parameters. *Textile Research Journal*, 75:731-740.
- Ghosh, C. C. (1949) The silk production and weaving in India, CSIR Monograph. Council of Scientific and Industrial Research, pp.233.
- Gibbs, M., Lace, L. A., Jones, M. J. and Moore, A. J. (2004) Intraspecific competition in the speckled wood butterfly *Pararge aegeria*: effect of rearing density and gender on larval life history. *Journal of Insect Science*, 4:16.
- Giridhar, K. and Reddy, N. S. (1991a) Performance of parental bivoltine silkworm (*Bombyx mori* L.) breeds on new mulberry (*Morus* spp.) varieties. *Indian Journal of Sericulture*, 30(1):23-29.
- Giridhar, K. and Reddy, N. S. (1991b) Effective rate of rearing bivoltine silkworm (*Bombyx mori* L.) breeds on different mulberry (*Morus* spp.) varieties. *Indian Journal of Sericulture*, 30(1):88-90.
- Goswami, P. C. (1974) Arthanaitik Avastha ed. in Asamiya Jatir Itivritya by Giridhar Sarma, P-57.
- Govaerts, R., Frodin, D. G. and Radcliffe-Smith, A. (2000) World Checklist and Bibliography of Euphorbiaceae (with Pan-daceae). Trowbridge, Redwood Books, Ltd.
- Govindan, R., Narayanaswamy, T. K. and Devaiah, M. C. (1992) Economic traits and growth indices of eri silkworm, *Samia Cynthia ricini* Boisd., as influenced by substitution of castor with other food plants. *Sericologia*, 32(2):259-263.
- Govindan, R., Sannappa, B., Bharathi, V. P., Singh, M. P. and Hegde, D. M. (2002) Elemental composition of leaves of different varieties of castor, *Ricinus communis* L. *Environmental Ecology*, 20, 955-959.

- Govindan, R., Sannappa, B., Bharathi, V. P., Singh, M. P. and Hegde, D. M. (2003a). Nutritive value of leaves of different varieties of rainfed castor (*Ricinus communis* L.). *Crop Research*, 25, 444-448.
- Govindan, R., Sannappa, B., Bharathi, V. P., Singh, M. P. and Hegde, D. M. (2003b). Quality parameters of leaves of some castor varieties with varied cultivation practices in different locations of Karnataka. *Indian Journal of Environmental Ecoplanning*, 7, 307-310.
- Gregory, S. (1997) Sericulture and the process of change-A Socio-cultural study of a Tamil Nadu village, Ph.D. Thesis, Development Studies, Institute for Social and Economic Change, Nagarbhavi, Bangalore.
- Gupta, R., and Gupta, B. K. (1987) Role of women in economic development. *Yojana*, 31(18): 28-32.
- Hagerman, A. E. (2002) Tannin Chemistry, 18.
- Han, S. M., Suk Y. S., Baek, H. J., Park H. R. and Han, M. S. (2002) Effects of silkworm extract on streptozotocin – induced diabetic rats. *International Journal of Industrial Entomology*, 5(2), 201-204.
- Hata, M. M., Patil, P. K., Pradhan, K. C. and Sharma, M. (2005) Eri culture in Orissa- Potential exists. *Indian silk*, 5:12-13.
- Hazarika, L. K., Saikia, C. N., Katakya, A., Bordoloi, S. and Hazarika, J. (1998) Evaluation of physico-chemical characteristics of silk fibres of *Antheraea assama* reared on different host plants. *Bioresource Technology*, 64:67-70.
- Hazarika, P. K. (1989) Varietal preference of eri silkworm, *Philosamia ricini* Hutt. (Lepidoptera: Saturniidae) on castor, M.Sc. Thesis, AAU, Jorhat.
- Hazarika, P. K. and Hazarika, L. K. (1996) Effect of castor varieties on performance of eri silkworm. *Indian Journal of Entomology*, 58: 284-290.

- Hazarika, R. L., Sen, P., Bhattacharya, S., Deka, P. C. and Baruah, J. N. (1995) Determination of quality of *Machilus bombycina* for rearing *Antheraea assama* Westwood. *Indian Journal of Sericulture*, 34 (1): 74-75.
- Hazarika, U., Barah, A., Phukan, J. D. and Benchamin, K. V. (2003) Studies on the effect of different food plants and seasons on the larval development and cocoon characters of silkworm *Samia cynthia ricini* Boisduval. *Bulletin of Indian Academy of Sericulture*, 71, 77-85.
- Hiratsuka, E. (1971) Researches on the nutrition of the silkworm. *Shanghi Shikenjo Hokoku Technical Bulletin*, 2:353-412.
- Hiratsuka, E. (1920) Researches on the nutrition of the silkworm. *Bulletin Series Experimental Station in Tokyo*, 1, 275-315.
- Hiwar, C. J. (2001) *Agro Cottage Industry: Sericulture*. Daya Publishing House. New Delhi, 1-117.
- Horie, Y. (1978) Quantitative requirements of nutrients for growth of the silkworm. *Bombyx mori* L. *Japan Agricultural Research Quarterly*, 12(4):211-217.
- Horie, Y. and Watanabe, K. (1985) Daily utilization and consumption of energy in food by the silkworm, *Bombyx mori* (Lepidoptera:Bombycidae). *Applied Entomology and Zoology*, 20: 62-72.
- House, H. L. (1974) Insect Nutrition, In: *The Physiology of Insecta*. Vol. V (2<sup>nd</sup> Edn.), Rockstein (Ed.), Acad Press. New York, pp. 1-53.
- Hudson, B. J .F. and Ogunsua, A. O. (1974) Lipids of cassava tubers (*Manihot esculenta*, Crantz). *Journal of the Science of Food and Agriculture*, 25:1503-1508.
- Iizuka, E. (1965) Degree of crystallinity and modulus relationships of silk threads from cocoons of *Bombyx mori* L. and other moths. *Biorheology*, 3:1-8.
- Ito, T. (1967) Nutritional requirement of the silkworm, *B. mori* L. *Proceedings of the Japan Academy*. 43:57-61.

- Ito, T. and Horie, Y. (1959) Carbohydrate metabolism of the midgut of the silkworm, *Bombyx mori*. L. *Archives of biochemistry and biophysics*, 80, 174-176.
- Ito, T. and Kaboyashi, M. (1978) Rearing of the silkworm. In *The silkworm: An important laboratory tool*. Y. Tazima ed. Kodansha Ltd., Tokyo, pp 83-102.
- Jaiswal, K., Gangwar, S. K. and Kumar, R. (2006) Comparative study on rearing performance of different eco-race of eri silkworm (*Philosamia ricini*) in monsoon season of Uttar Pradesh. *Proceeding National seminar on prospects and problem of sericulture as an economic enterprise in North- West India. Dehradun 11 th -12<sup>th</sup> November*, p. 483-485.
- Jaiswal, K., Kumar, R. and Kumar, R. (2008) Rearing performance of eri silkworm (*Philosamia ricini*) in monsoon season of Lucknow. *National Journal of Life Science*, 5 (2), 251-253.
- Jayaramaiah, M. and Sannappa, B. (1998) Correlation coefficients between foliar constituents of castor genotypes and economic parameters of the eri silkworm, *Samia cynthia ricini* Boisduval (Lepidoptera: Saturniidae), *Proc. 3<sup>rd</sup> Intern. Conf. wild silk moths*, Orissa, pp.52.
- Jayaramaiah, M. and Sannappa, B. (2000) Influence of castor genotypes on rearing performance of different eri silkworm breeds. *International journal of wild silkmoth and silk*, 5, 29-31.
- Jeyaseelan, E. C. and Jashothan, P. T. J. (2012) In vitro control of *Staphylococcus aureus* (NCTC 6571) and *Escherichia coli* (ATCC 25922) by *Ricinus communis* L. *Asian Pacific Journal of Tropical Biomedicine*, 2 (10): 717-721.
- Jolly, M. S. (1981) Studies on nutritive values of new strains of mulberry leaves, Annual Report. CSR&TI, Central Silk Board, Mysore, pp 59-61.
- Jolly, M. S., Sen, S. K., Sonowalkar, T. N. and Prasad, G. K. (1979) Non-mulberry silk, *Sericulture Manual-4*, FAO, Rome.



- Joshi, K. L. (1986) Utilization of minerals by larvae of the eri silk moth, *Philosamia ricini* Hutt. (Lepidoptera: Saturniidae). *Indian Journal of Sericulture*, 15 (2): 54-57.
- Joshi, K. L. (1992) Evaluation of diets for larvae of the eri silk worm, *Sarnia cynthia ricini* Hutt. (Lepidoptera: Saturniidae). *Indian Journal of Sericulture*, 31(1):49-51.
- Joshi, K. L. (1985a) Relationship between food consumption and fecundity of Eri silkworm, *Philosamia ricini*, Hutt. (Lep.: Saturniidae). *Sericologia*. 25: 301-305.
- Joshi, K. L. (1985b) Studies on the growth indices for Eri silkworm, *Philosamia ricini* Hutt. *Sericologia*, 25: 313-319.
- Joshi, K. L. and Mishra, S. D. (1979) Studies on live weight of larvae, cocoons and pupae and silk contents of eri silkworm, *Philosomia ricini* Hull. (Lepidoptera: Saturniidae) reared on interchanged two host plants. *Transactions on Industry Applications*, 4(2):97-100.
- Kakoti, R. K. (2012) Sericulture as well as Ericulture as a Source of Employment and Income. *IJCAES Special Issue on Basic, Applied and Social Sciences*, 370-372.
- Kaleemurrahman, M. and Gowri, C. (1982) Foliar constituents of the food plants of eri silkworm (*Philosamia cynthia ricini*). *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, 48(3): 349-353.
- Kapil, R. P. (1967) Effects of feeding different host plant on the growth of larvae and weight of cocoon of *Philosomia ricini*. *Indian Journal of Entomology*, 29:295-296.
- Kaplan, D. L., Adam, W. W., Farmer, B. and Viney, C. (1994) Silk: biology, structure, properties and genetics. In: Kaplan, D.L., Adams, W.W., Farmer. B.,Viney, C. editors. Silk polymers: materials science and biotechnology. *ACS Symposium Series*, 544:2-16.

- Kaplan, D. L., Fossey, S., Viney, C. and Muller, W. (1992) Self-organization (assembly) in biosynthesis of silk fibers- a hierarchical problem. In: Aksay, I. A., Baer, E., Sarikaya, M., Tirrell, D.A. editors. Hierarchically structured materials. *Materials Research Society Symposium Proceedings*, 255:19–29.
- Kaplan, D. L., Mello, S. M., Arcidiacono, S., Fossey, S., Senecal, K. and Muller, W. (1998) Silk. In: McGrath, K., Kaplan, D.L., editors. Protein based materials. Boston: Birkhauser, 103–131.
- Karant, G. K. (1995) *Change and Continuity in Agrarian Relations*, Concept, New Delhi.
- Kariyappa, Radhalakshmi, Y. C., and Shivkumar, K. P. (2014) Evaluation of low stress mechanical properties of eri/wool blended fabrics, *Sericologia*, 54 (1), 59-65.
- Kariyappa, Shivkumar, K. P., Rao, P. M. D. and Roy, S. (2009) Evaluation of physical and comfort properties of eri and wool spun yarn woven fabrics, *Man Made Textile in India*, Nov., 393-396.
- Kasiviswanathan, K., Krishnaswami, S. and Venkata Ramu, C. V. (1973) Effect of storage on the moisture content of mulberry leaves. *Indian Journal of Sericulture*, 12: 13-21.
- Katti, M. R., Kaur R. and Gowri, S. (1996) Pupa skin-A useful waste. *Indian Silk*, 35 (4 and 5), 5-8.
- Kaushambi, D. D. (1981) *Bharatar Itihas*, trans. to Assamese by B. K. Bhattachaya, P-232.
- Kensa, V. M. and Syhed, Y. S. (2011) Phytochemical screening and antibacterial activity on *Ricinus communis* L. *Plant Sciences Feed*, 1 (9):167-173.
- Khatun, R. S., Azmal, A., Sarker, M. S. K.; Rashid, M. A., Hussain, M. A. and Miah, M. Y. (2005) Effect of Silkworm Pupae on the Growth and Egg Production Performance of Rhode Island Red (RIR) Pure Line. *International Journal of Poultry Science*, 4 (9), 718-720.

- Khursheed, R., Naz, A., Naz, E., Sharif, H. and Rizwani, G. H. (2012) Antibacterial, Antimycelial and Phytochemical Analysis of *Ricinus communis* Linn, *Trigonella foenum grecum* Linn and *Delonix regia* (Bojer ex Hook.) Raf of Pakistan. *Romanian Biotechnological Letters*, 17 (3): 7237-7244.
- Kiran, B. R. and Prasad, M. N. V. (2017) *Ricinus communis* L. (Castor bean), a potential multi-purpose environmental crop for improved and integrated phytoremediation, *The EuroBiotech Journal*, 1(2), 101-116.
- Kohli, R. K., Jolly, M. S. V. and Khan, A. M. (1969) Foliar constituents of the food plants of tasar silkworm *Antheraea mylitta* D. *Indian Forest*. 95(9): 614-617.
- Komatsu, K. (1994) Silk family. In Asakura, T., Naruse, N., Iwasaki, Y., Mizuide, M., Komatsu, K. and Watanabe, H. (Eds.) Science of Silk (Japanese). Tokyo, Japan, Asakura Publishing Co., Ltd.
- Krishnaswami, S. Kumararaj, S., Vijayaraghavan, K. and Kasiviswanathan, K. (1971) Silkworm feeding trial for evaluation of die quality of mulberry leaves as influenced by variety spacing and nitrogen fertilization. *Indian Journal of Sericulture*, 9(1):79-89.
- Kulkarni, A. A. (2007) Quality characteristics of viscose rayon and eri silk union fabrics. MSc. Thesis, July, University of Agricultural Sciences, Dharwad.
- Kulkarni, P. R., and Bahuguni, R. S. (2011) Optimum machinery, process and products for eri silk /wool blends. *Wool Technology*, 01 (02).
- Kumar, R. and Elangovan, V. (2010) Assessment of the volumetric attributes of Eri silkworm (*Philosamia ricini*) reared on different host plants. *International Journal of Science and Nature*, 1(2):156-160.
- Kumar, R. and Elangovan, V. (2010) Rearing Performance of Eri Silkworm, *Philosamia ricini* in Monsoon Season of Uttar Pradesh. *Asian Journal of Experimental Biological Sciences*, 1 (2): 303-310.
- Kumar, R., Gargi Prasad, D. N. and Saha, L. M. (1993) A note on secondary food plants of eri Silkworm. *Indian silk*, 31(9): 20-21.

- Lamelu, A. G. (1998) Illustrated textbook on sericulture-translated from Japanese. Siences pulishing Inc. Enfield, New Hampshiere, 10-35.
- Legay, J. M. (1958) Recent advances in silkworm nutrition. *American Review of Entomology*, 3: 75-86.
- Li, R. and Sano, O. (1984) The relationship between quality of mulberry leaves and some economic characters during the later larval stage. *Canye Kexue*, 10(4): 197-201.
- Lowry, O. H., Rosebrough, N. J., Farr, A. L. and Randall, R. J. (1951) Protein measurement with folin phenol reagent. *The Journal of Biological Chemistry*, 193, 265-275.
- Magadum, S. B., Ramadevi, O. K. Shivashankar, N. and Datta R. K. (1996) Nutritional indices in some bivoltine breed of silkworm, *Bombyx mori* L. *Indian Journal of Sericulture*, 35: 95-98.
- Majumder, S. K. (1997) Scope for new commercial products from sericulture. *Indian Silk*, 35 (12), 13-18.
- Mali, D. D. (1982) The Handloom Industry and Employment Generation, Sericulture and Handloom Industries in Assam, pp.76-77.
- Mallete, M. F., Althous, P. M. and Clagetta, C. O. (1960) Biochemistry of Plants and Products. New Delhi, India.
- Mallick, C. P. and Singh, M. B. (1980) Plant enzymology and Histoenzymology. Kalyani publishers, New Delhi, pp286.
- Manjunatha Naik, C., Patil, G. M., Murthy, C., Awaknavar, J, S., Shekharappa and Alagundagi, S, C. (2010) Development and economic cocoon parameters of eri silkworm *Samia cynthia ricini* Boisduval (Lepidoptera: Saturnidae) as influenced by new hosts. *Karnataka Journal of Agricultural Science*, 23 (5): 716-721.

- McKeon, T. A., Hayes, D. G., Hildebrand, D. F., Randall, J. and Weselake, R. J. (2016) (Eds). *Industrial Crops*. Academic Press. Pp.474.
- Mech, D. and Ahmed, S. A. (2012) Participatory Profiles of Women in Eri Culture in Assam State of India. *European Journal of Applied Sciences*, 4 (4): 177-181.
- Mehta, S. and Sethi, N. (1997) Targetting women for developing. *Social Welfare* 43(10): 14-16.
- Merenjungla and Kakati, L. N. (2013) Seasonality of nutrient contents of different leaf types of four host plants of *Samia ricini* Donovan in Nagaland. *National Journal of Life Science*, 10(2): 105-112.
- Moncrieff, R. W. (1975) *Manmade Fibres*, 6th Ed., 194–195. Newness Butterworth Co., Ltd. London.
- Montagnac, J. A., Davis, C. R. and Tanumihardjo, S. A. (2009) Nutritional Value of Cassava for Use as a Staple Food and Recent Advances for Improvement. *Comprehensive Reviews in Food Science and Food Safety*, 8(3), 181–194.
- Munro, J. M. (1987) *Cotton*, 2nd Ed. 368. John Wiley and Sons, N.Y., USA.
- Murthy, G. V. S., Venu, P. and Sanjappa, M. (1996) Climate. In: *Flora of India Introductory volume Part I* (ed by Hajra PK, Sharma BD, Sanjappa M, Sastry ARK). Botanical Survey of India, Calcutta, pp. 538.
- Nagalakashmamma, K., Gowda, B. L. V. and Deviah, M. C. (1988) Relationship of pupal weight on fecundity and hatching in eri moth, *Samia cynthia ricini* Boisduval. *International Congress on tropical sericulture practiced Bangalore*, 17(23): 26.
- Nagarajan, L. V. (1994) Silk Exports-Indian Experience, in R.K. Datta (ed.), *International Conference on Sericulture, Global Silk Scenario 2001*, p. 57. Mysore, Karnataka: Central Sericultural Research and Training Institute (CSRTI) and International Centre for Training and Research in Tropical Sericulture (ICTRTS).

- Nangia, N., Jagdish, P. S. and Nagesh Chandra, B. K. (2000) Evaluation of the volumetric attributes of the eri silkworm reared on various host plants. *International Journal of Wild Silkworm and Silk*, 5: 36-38.
- Nangia, N., Jagdish, P. S. and Nagesh Chandra, B. K. (1998) Evaluation of the volumetric attribute of the eri silkworm reared on various food plants. *The third International conference on wild silk moth*, 36-38.
- Narzari, S. and Sarmah, J. (2015) Proximate composition of wild edible insects consumed by the Bodo tribe of Assam, India. *Ecology, Environment and Conservation*, 21 (4): 1941-1946.
- Naz, R. and Bano, A. (2012) Antimicrobial potential of *Ricinus communis* leaf extracts in different solvents against pathogenic bacterial and fungal strains. *Asian Pacific Journal of Tropical Biomedicine*. 2 (12): 944-947.
- Neog, K., Unni, B. and Ahmed, G. (2011) Studies on the influence of host plants and effect of chemical stimulants on the feeding behavior in the muga silkworm, *Antheraea assamensis*. *Journal of Insect Science*. 11:133.
- Ogbuji, C. A. and David-Chukwu, N. P. (2016) Phytochemical, antinutrient and mineral compositions of leaf extracts of some cassava varieties, *IOSR-JESTFT*, 10(1), 05-08.
- Ogunniyi, D. S. (2006) Castor oil: a vital industrial raw material. *Bioresource Technology*, 97: 1086–1091.
- Okigbo, B. N. (1980) Nutritional implications of projects giving high priority to the production of staples of low nutritive quality. In the case for cassava (*Manihot esculenta*, Crantz) in the humid tropics of West Africa. *Food and Nutrition Bulletin*, 2:1-10.
- Padonou, W., Mestres, C. and Nago, M. C. (2005) The quality of boiled cassava roots: instrumental characterization and relationship with physicochemical properties and sensorial properties. *Food Chemistry* 89: 261–270.

- Pandey, R. K. (1995) Do leaf tannins affect non-mulberry silkworm. *Indian Silk*. 34 (8): 21-23.
- Pandey, R. K. (1995) Seasonal variation in oak leaf quality of *Quercus Serrata* and its impact on oak tasar silkworm rearing. *Indian Journal of Sericulture*. 34(1):79-81.
- Pandey, R. K. (2003) Eri culture in Uttar Pradesh. *Indian Silk*, 41: 21-24.
- Pandey, R. K. and Goel, R. K. (1991) Constituents of the young and old leaves of primary food plants of oak tasar silkworm *Antheraea proylei*. *Indian Journal of Sericulture*, 30(1):70-71.
- Parpiev, B. A. (1968) Water metabolism in silkworm fed with a different strain changing diet. *Shalk*. 39:15-17.
- Pathak, A. K. (1988) Studies on nutrition, growth and cocoon characters of eri silkworm *Philosamia ricini* Hutt. fed on different varieties of leaves. M.Sc, Thesis, Assam Agri. University. Jorhat (India), pp.18-65.
- Pathak, A. K. and Dutta, L. (1990) Growth, larval duration and cocoon characters of eri silkworm *Philosamia ricini* Hutt. fed on different host plants. *Journal of Assam Science Society*, 32(4):36-39.
- Patil, G. M. and Savanurmath, C. J. (1994) Eri silkworm-The poorman's friend. *Indian Silk*, 33(4):41-45.
- Patil, G. M., Kulkarni, K. A., Patil, R. K. and Badiger, K. S. (1998) Performance of eri silkworm, *Samia cynthia ricini* Boisd on different castor genotypes. *Proceedings of the 3rd International Conference on Wild Silkmths, November 11-14, Bhubaneshwar, India*, pp: 193-195.
- Paul, D. and Dey, S. (2011) Assessment of the nutritive value of some wild edible insects of Meghalaya, North East India. *Journal of Entomological Research*, 35:353-358.

- 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. *Journal of Insect Physiology*, 38, 229- 235.
- Peigler, R. S. (1992) The identity of *Samia cynthia* and the status of its introduced populations. *Wild Silkmths*, 164-178.
- Peter, V. B. (1970) Viscose and Special Types of Rayon Fibres, A hand book of rayon. Planned, compiled and produced by Century Rayon. Bombay: 144.
- Petzoldt, C. and Seaman, A. (2013) Climate Change Effects on Insects and Pathogens. Fact Sheet. <http://www.climateandfarming.org/clrcc.php>.
- Poonia, F. S. (1978) Studies on food utilization and rate of growth during the developmental stages of eri silkworm *Philosamia ricini* Hutt. (Lep.: Satur.). *Indian Journal of Sericulture*, 17 48–60.
- Potter, M. D. and Corbman, B. P. (1967) Textiles: Fibre to fabric, 4th Edition. USA: McGraw-Hill, Inc.
- Raghavaiah, C. V. (2003) Strategy for promotion of eri silk through utilization of castor (*Ricinus communis* L.) for foraging. *Indian Silk*, 42(1): 33-35.
- Rahmathulla, V. K., Suresh, H. M., Mathur, V. B. and Geethadevi, R. G. (2002) Feed conversion efficiency of Elite bivoltine CSR hybrids silkworm *Bombyx mori* L. reared under different environmental conditions. *Sericologia*, 42:197-203.
- Rajkhowa, R. (1998) Structure property correlation of mulberry and non-mulberry silk fibres. *The third International conference on wild silk moths*, 287-298.
- Rajkhowa, R., Gupta, V. B. and Kothari, V. K. (2000) Tensile stress–strain and recovery behavior of Indian silk fibers and their structural dependence. *Journal of Applied Polymer Science*, 77:2418–2429.
- Ramadevi, O. K., Magadum, S. B., Shiva Shankar, N. and Benchamin, K. V. (1992) Evaluation of food utilization efficiency in some polyvoltine breeds of silkworm *Bombyx mori* L. *Sericologia*, 32 (1) 61-66.



- Ramakanth and Anantha Raman, K. V. (1997) Cocoon Pelade for better health. *Indian Silk*, 35 (8 and 9), 35.
- Rangaswami, G., Narasimhanna, M. N., Kasiviswanathan, K. and Sastry, C. R. (1976) Sericulture Manual-1: Mulberry Cultivation. Food and Agriculture Organization. Agriculture Services Bulletin. United Nations Organization, Rome, pp.1-97.
- Rao, J. V. K., Sathyanarayana, K., Teotia, R. S. and Kirsur, V. M. (2004) Ericulture in India. *Proceedings of International Seminar on Castor Seed, Castor Oil its Value Added Products, 8th February, Ahmadabad, India*, p. 39.
- Rao, M. S., Srinivas, K., Vanaja, M., Rao, G. G. S. N., Venkateswarlu, B. and Ramakrishna, Y.S. (2009) Host plant (*Ricinus communis* Linn.) mediated effects of elevated CO<sub>2</sub> on growth performance of two insect flavors. *Current Science*, 97, 1047–1054.
- Ratnala, G. R., Mallikarjuna, B. and Datta, R. K. (1990) Human Labour Employment in Sericulture- An Empirical Study in Andhra Pradesh. *Indian Journal of Sericulture*, 34(2): 92.
- Ravikumar, C. (1988) Western Ghats as a bivoltine region: Prospects, challenges and strategies for its development. *Indian Silk*, 26 (11): 39-54.
- Ravindran, G. and Ravindran, V. (1988) Changes in the Nutritional composition of cassava (*Manihot esculenta* Crantz) leaves during maturity, *Food Chemistry*, 27, 299-309.
- Ravindran, V. (1995) Preparation of cassava leaf products and their use in animal feed. In: Roots, tubers, plantains and bananas in animal feeding. *FAO Animal Production and Health Paper*, 95, 11-116.
- Ravishankar, H. M., Reddy, D. N. R., Reddy, R. N. and Baruah, A. M. (2000) Evaluation of different methods of application of castor leaves of eri silkworm in relation to cocoon and egg production. *International Journal of Wild Silkworm and Silk*, 5: 118-121.

- Raychaudhury, B. N. (1974) Effect of different food plants on the silk percentage and effective rate of rearing of *Philosamia ricini* Hutt. *Proceeding of the International seminar on non-mulberry silk. Held at Ranchi, India*, p153-158.
- Reddy, N. and Yang, Y. (2010) Morphology and tensile properties of silk fibers produced by uncommon Saturniidae, *International Journal of Biological Macromolecules*, 46:419–424.
- Reddy, V. S., Sivarami, Reddy, N. and Ramamoorthi, R. (1989) Carbaryl effects on the growth and silk qualities of *Bombyx mori* L. *Indian Journal of Sericulture*, 28(2):182-190.
- Reed, J. D., McDowell, R. E., Van Soest, P. J. and Horvath, P. J. (1982) Condensed tannin: A factor limiting to use of cassava foliage. *Journal of Science of Food and Agriculture*, 33: 21-31.
- Reif, J. C., Gumpert, F. M., Fischer, S. and Melchinger A. E. (2007) Impact of inter population divergence on additive and dominance variance in hybrid populations. *Genetics*, 176: 1931–1934.
- Roychoudhury and Joshi, K.C. (1995) Silkworm pupae as human food. *Indian Silk*, 34 (3): 10.
- Rupa, T. R., Rao, M. S. and Reddy, K. S. (1993a) Positional nutrient status of mulberry (*Morus alba* L.) leaves. *Indian Journal of Sericulture*, 32(1): 125-127.
- Sadasivam, S. and Manickam, A. (1996) *Biochemical Methods for Agricultural Sciences*. New Age International (P) Ltd., New Delhi.
- Sadasivam, S. and Manickam, A. (2005) *Biochemical methods*. New Age International Limited Publisher, New Delhi.
- Sadov, F., Korchagi, M. and Matetsky, A. (1978) *Chemical technology of fibrous materials*, Moscow: MIR.
- Sahay A., Singh, B. K., Deori, S. and Mukherjee, P. K. (1997) Ericulture: Nature's gift. *Indian Silk*, 36(5), 25-28.

- Sahu, M., Bhuyan, N. and Das, P. K. (2006) Eri silkworm, *Samia ricini* (Lepidoptera: Saturniidae) Donovan, Seed production during summer in Assam. pp. 490-493. In: Proceeding of Regional seminar on Prospects and problems of sericulture as an economic enterprise in North West India, Dehradun, India.
- Sailaja, M., Tarakeswari, M. and Sujatha, M. (2008) Stable genetic transformation of castor *Ricinus communis* L.) via particle gun-mediated gene transfer using embryoaxes from mature seeds. *Plant Cell Reproduction*, 27, 1509–1519.
- Sakthivel, N. (2012) Studies on utilization of tapioca (*Manihot esculenta* Crantz) for ericulture in Tamil Nadu, Ph.D., thesis, submitted to the Periyar University, Salem, Tamil Nadu. pp. 175-178.
- Sakthivel, N. (2016) Evaluation of cassava varieties for eri silkworm, *Samia cynthia ricini* Boisduval. *Munis Entomology and Zoology*, 11(1), 165-168.
- Sannappa, B. and Jayaramaiah, M. (2002) Foliar constituents of selected genotypes of castor, *Ricinus communis* L. *Mysore Journal of Agricultural Science*, 36: 315-321.
- Sarkar, D. C. (1988) Ericulture in India. Bangalore: Central Silk Board, Ministry of Textile, Government of India, pp. 4-49.
- Sarmah, M. C. (2004) Eri host plant cultivation and silkworm rearing technique. Central Muga Eri Research and Training Institute, Lahdoigarh, Jorhat, Assam.
- Sarmah, M. C. (2011) Eri pupa: a delectable dish of North East India. *Current Science*, 100(3):279.
- Sarmah, M. C., Chutia, M., Neog, K., Das, R., Rajkhowa, G. and Gogoi, S. N. (2011) Evaluation of promising castor genotype in terms of agronomical and yield attributing traits, biochemical properties and rearing performance of eri silkworm, silkworm, *Samia ricini* (Donovan). *Industrial Crops and Products*, 34: 1439-1446.

- Sarmah, M. C., Datta, R. N., Das, P. K. and Benchamin, K. V. (2002) Evaluation of certain castor genotypes for improving ericulture. *Indian Journal of Sericulture*, 41 (1), 62–63.
- Sarmah, M. C., Sarkar, B. N., Ahmed, S. A. and Deuri, J. (2013) Eri culture- a comprehensive profile. Published by Director of Sericulture, BTC, Kokrajhar, Assam.
- Sarmah, R. K. (1992) Studies on the external morphology and comparative rearing performance of eri silkworm, *Philosamia ricini* Hutt. (Lepidoptera: Saturniidae) on different host plants, M.Sc. Thesis, AAU, Jorhat.
- Sastri, B. N. (1962) Wealth of India, CSIR, New Delhi, Vol. 6, pp-429-439.
- Sastry, C. R., Jolly, M. S., Subramanyam, M. R. and Rao, Y. R. M. (1988) Studies on the varietal difference in the loss of moisture from harvested mulberry leaves. *Indian Journal of Sericulture*, 27: 85-91.
- Sathyanarayana, K., Saratchandra, B. and Amarnath, S. (2008) Silkworm pupae: A valuable bye-product of sericulture, Central Silk Board, Ministry of Textiles, BTM Layout, Madiwala, Bangalore-560 068, India
- Satyanarana, R. C. (1996) Utilization of sericultural by-products- A Chinese example. *Indian Silk*, 19-20.
- Schanderl, S. H. (1970) In: Methods in Food Analysis. Academic Press, New York, London pp709.
- Scholz, V. and Silva, J. N. (2008) Prospects and risks of the use of castor oil as a fuel. *Biomass and Bioenergy*, 32: 95–100.
- Scriber, J. M. and Slansky, F. J. (1981) The Nutritional Ecology of Immature Insects. *Annual Review of Entomology*, 26: 183-211.

- Sehna, F. and Akai, H. (1990) Insect silk glands: their types, development and function, and effects of environmental factors and morphogenetic hormones on them. *International Journal of Insect Morphology and Embryology*, 19(2):79-132.
- Seitz, A. (1933) The Microlepidoptera of the world Indo-Australian Bombyces and Sphinges. Pub Stuttgart, Alfred Kernen, 10, 509-516.
- Sen, K. and Muruges, B. K. (2004) Studies on Indian silk. I. Macrocharacterization and analysis of amino acid composition. *Journal of Applied Polymer Science*, 92(2):1080-1097.
- Sengupta, K., Yusuf, M. R. and Grover, S. P. (1974) Hybrid vigour and genetic analysis of quantitative traits in silkworm. *Indian Journal of Genetics (Sabrao Proceedings)*, 34A:249-256.
- Sezutsu, H. and Yukuhiro, K. (2000) Dynamic rearrangement within the *Antheraea pernyi* silk fibroin gene is associated with four types of repetitive units. *Journal of Molecular Evolution*, 51:329-338.
- Shaarawy, M. F., Gomaa, A. A. and Elgarhy, A. T. (1975) The consumption, digestion and utilization of two castor bean varieties by larvae of eri silkworm. *Attacus ricini* Boid. *The Review of Applied Entomology*, 79:123-128.
- Shamachary, B.N., Laksmipathalah and Jolly, M. S. (1985) A Simple Mathematical Formula for the Evaluation of Cocoon Price. *Indian Journal of Sericulture*, 24(2): 45-46.
- Shamachary, M., Samson, V. and Krishnaswami, S. (1980) Some useful correlation studies of silkworm and its products such as cocoon, pupa, shell and egg weight. *Indian Journal of Sericulture*, 19: 4-8.
- Shao, Z. and Vollrath, F. (2002) Surprising strength of silkworm silk. *Nature*, 418:741.
- Sharma, R. K., Dutta, S. K., Khonikar, D. P. and Dutta, L. C. (1998) Effect of larval food plant on certain life parameters of eri silkworm, *Philosamia ricini* Hutt. *Journal of the Agricultural Science Society of North East India*, 11(10), 5-9.

- Shaw, C. (1998) Evaluation of *Ailanthus* species in relation to nutrition, growth and cocoon characters of eri silkworm, *Philosomia ricini* Hutt., M. Sc. Thesis, AAU, Jorhat.
- Shenai, V. A. (1980) Technology of dyeing, Vol VI, Mumbai, India, Sevak.
- Shetty K. K. and Samson M. V. (1998) Non mulberry sericulture in India, *Indian Silk* 37(6 and 7) 21-25.
- Shigematsu, H. (1960) Protein metabolism in the fat body of the silkworm, *Bombyx mori* L. *Bulletin of the Sericultural Experiment Station Japan*, 16:141-170.
- Shimizu, M. (2000) Structural basis of silk fibre; in Structure of silk yarn” vol I biological and physical aspects. N. Hojo (ed.), Oxford and IBH Publication Co. Pvt. Ltd., New Delhi, 7-17.
- Shittu, T. A., Sanni, L. O., Awonorin, S. O., Maziya-Dixon, B. and Dixon, A. (2007) Use of multivariate techniques in studying the flour making properties of some CMD resistant cassava clones. *Food Chemistry*, 101: 1606-1615.
- Shiva Prakash, G. S. (1988) Silk oil: A matter of complete extraction. *Indian Silk*, 27(6), 51-54.
- Siddique, S. A. (2000) Role of Sericulture in the Economic Development of Assam, paper presented in the State level Seminar on ‘Fireworks and Endi-Textile Industries of the Barpeta District’, sponsored by University Grant Commission and organized by M. C. College, Barpeta, 25-26 November.
- Siddiqui, A. A., Rajaram and Sengupta, A. K. (1993) Eri- A common man’s silk. *Indian Silk*, 32(4):34-36.
- Siiger, H. (2015) The Bodo of Assam, Ed: Andersen P. B. and Soren S. K., Nordic Institute of Asian Studies, Øster Farimagsgade 5, 1353, Copenhagen K, Denmark.
- Silk In Bodoland Territorial Council, profile and Farmers Database, 2015-16, Directorate of Sericulture, BTC, Assam.

- Singh, B. K. (1994) Report on Eri culture Field Test in Bolivia (JAIDO/ JAPAN), pp23-25.
- Singh, B. K. and Das, P. K. (2006) Prospects and problems for development of eri culture in non- traditional states. *Proceeding of Regional seminar on Prospects and problems of sericulture an economic enterprise in North West India. Held at Dehradun 11<sup>th</sup> -12<sup>th</sup> November*, 312-315.
- Singh, B. K., Das, B., Bhattacharya, A., Bhuyan, N., Borpujari, P., Mahanta, J. C. and Jayaprakash, P. (2012) Bio-Resources of Eri silkworm and its host plants of North East India, utilization and need for their conservation. *The Ecoscan*, 1:473-478.
- Singh, K. C. and Benchamin, K. V. (2001) Eri: product diversification pays. *Indian Silk*, 40(1), 15.
- Singh, N. I. and Goswami, D. (2012) Food plant varietal effect on the rearing and grainage of muga silkworm, *Antheraea assamensis* Helfer, 1837. *Munis Entomology and Zoology*, 7(2):1023-1027.
- Singh, T., Bhat, M. M. and Khan, M. A. (2009) Insect adaptations to changing environments - temperature and humidity. *International Journal of Industrial Entomology*, 19: 155-164.
- Singh, Y. R. and Prasad, B. (1987) Correlation among body weight and fecundity in eri silkworm, *Philosamia ricini* Hutt. Lep. : Saturniidae. *Sericologia*, 27(1): 49-60.
- Singha, B. B. (2010) Development of eri silkworm *Samia ricini* (Donovan) breeds with higher fecundity and shell weight, Annual Report, CMER&TI, Lahdoigarh, 46-52.
- Sinha, A. K. and Jolly, M. S. (1971) Foliar constituents of the food plants of tasar silkworm, *Antheraea mylitta* D. *Indian Forest*, 97(5): 262-263.

- Sinha, A. K., Choudhury, S. K., Brahmacharai, B. N. and Sengupta, K. (1986) Foliar constituents of the food plants of temperate tasar silkworm, *Antheraea proylei*. *Indian Journal of Sericulture*, 25(1): 42-43.
- Sinha, U. S. P., Sinha, A. K., Srivastava, P. P. and Brahmachari, B. N. (1993) Variation of chemical constituents in relation to maturity of leaves in mulberry varieties SI and K2 under the agro-climatic conditions of Ranchi district. *Indian Journal of Sericulture*, 32(2): 196-200.
- Slansky, F. J. and Scriber J. M. (1985) Food consumption and utilization. pp. 87-163 in G.A. Kerkut and L.I. Gilbert, eds. *Comprehensive Insect Physiology, Biochemistry, and Pharmacology*. Vol. 4. Pergamon, Oxford.
- Smioka, H., Kuroda, S. and Yashitaka (1982) Relationship among food ingestion, food utilization and body weight gain in the silkworm larvae *Bombyx mori*, under restricted feeding by indices. *Journal of Sericultural Science Japan*, 12, 711 - 730.
- Somaprakash, D. S. and Sathyaprasad, K. (2008) Studies on the impact of substrate on ovipositional behavior of eri silkworm, *Samia Cynthia ricini* (BOISDUVAL). *Indian Journal of Sericulture*, 27 (2), 165-167.
- Somashekar, T. H. (2004) Recent advances in Eri silk spinning, weaving and future prospects. In: Proc. Workshop on Prospects for Development of Ericulture in Karnataka. 12 th June 2004, (UAS, Dharwad), Central Silk Board, Bangalore, India, pp. 30-35.
- Sonwalkar, T. N. (1998) Utilization of by-products in silk industry. *Indian Silk*, 24-27.
- Srinivas, N. G., Srinath, K., Shivaprakash, A. V. and Hipparaj, S. A. (2008) Silk Non-Wovens: Production and characterization. *Indian Silk*. 7, 24-27.
- Srivastava, A. D. and Mishra, S. D. (1981) Effect of larval density on fecundity and productivity of eri moth *Philosamia ricini*. *Geobios*, 9, 58-62.



- Srivastava, P. K., Sinha, U. S. P. and Thangavelu, K. (1998) Foliar characters and constituents in spontaneous hybrid genotypes of *Terminalia* (Pentaptera). *Indian J. Sericulture*, 37(1):76-78.
- Sugai, E. and Takashashi, T. (1981) High temperature environment at the spinning stage and sterilization in the males of the silkworm *Bombyx mori* L. *Journal of Science Japan*, 50: 65-69.
- Sujathamma, P. and Dandin, S. B. (2000) Leaf quality evaluation of mulberry genotypes by chemical analysis. *Sericologia*, 39 (2): 117-121.
- Sunder Raj, S., Chinnaswamy, K. P. and Nangia, N. (2000) Soyabean to boost cocoon production. *Indian Silk*, 10, 11-13.
- Sunderaraj, N., Nagaram, S., Venkataramu, M. N. and Jagannath, M. K. (1972) Design and Analysis of Field Experiments. Directorate of Research, Univ. Agric. Sci., Bangalore, pp. 139.
- Suryanarayana, N., Das, P. K., Sahu, A. K., Sarma, M. C. and Phukan, J. D. (2003) Recent advances in eri culture. *Indian Silk*, 4:5-12.
- Suryanarayana, N. and Chaoba Singh, K. (2005) Principles of Eri culture, Central Tasar Research and Training Institute, Central Silk Board, Ranchi.
- Takano, K. and Arai, N. (1978) Studies on the food value on the basis of feeding and cocoon productivity in the silkworm *Bombyx mori* L., Treatment of food intake and cocoon productivity. *Journal of Sericultural Science Japan*, 47: 134, 142.
- Takeuchi, K. (1960) Effect of light and darkness on the hatching phase in post embryonic stage of the silkworm *Bombyx mori* L. *Sanshikemkyu*, 33:5-8.
- Talukdar, R. (2012) Women Education and Rural Economic Development of the Bodo community of Assam: A Case Study in Barpeta and Baksa District of Assam. *International Journal of science, Environment and Technology*, 1(1), 41-48.

- Tamiru, A., Getu, E., Jembere, B. and Bruce, T. (2012) Effect of temperature and relative humidity on the development and fecundity of *Chilo partellus* (Swinhoe) (Lepidoptera: Crambidae). *Bulletin of Entomological Research*, 102: 9-15.
- Tanaka, Y. (1964) Sericology, Mahesh Nanavaty Publicity, Central Silk Board, Bombay.
- Taur, D. J. and Patil, R. Y. (2011) Antiasthmatic activity of *Ricinus communis* Leaves and Roots. *Asian Pacific Journal of Tropical Biomedicine*. 1 (1): S13- S16.
- Tayade, D. S. and Jawala, M. D. (1984) Studies on the comparative performance of silkworm races against different varieties of mulberry under Marathwada conditions. *Sericologia*, 24(3):361-364.
- Teotia, R. S. (1988) Silkworm protein as medicine. *Indian Silk*, 27 (6), 57.
- Teotia, R. S. and Bajpeyi, C. M. (2009) Potentialities and prospects of Muga and Eri Silk Industry in Bodoland, Assam. *Indian Silk*, 48(3), 14-18.
- Tewe, O. O. and Lutaladio, N. (2004) Cassava for livestock feed in sub-Saharan Africa. Rome, Italy: FAO.
- Thangavelu, K. and Borah, A. (1986) Eri culture. In: Lectures on Sericulture, Boraiah, G(ed), Suramya Publ., Bangalore, pp.135-137.
- Thangavelu, K. and Phukon, J. C. (1983) Food Preference of Eri Silkworm *Philosamia ricini* Hutt (Saturnidae: Lepidoptera). *Entomology*, 8:311-315.
- Tom, I. (1989) Women in Unorganized Sector, Usha Publications, New Delhi.
- Ueda, S. and Suzuki, K. (1967) Studies on the growth of the silkworm *Bombyx mori* L.: Chronological changes of the amount of food ingested and digested, body weight and water content of the body and their mutual relationships. *Bulletin of the Agricultural Experiment Station of Nebraska*, 22:65-67.
- Uma Rani, A. (1998) Reaching Women Farmers Strategies. *Extension Digest*, 16(1): 8-10.

- Vandita, P., Nirali, A., Khyati, P. and Monisha, K. (2013) Effect of Phytochemical Constituents of *Ricinus Communis*, *Pterocarpus Santalinus*, *Terminalia Belerica* on Antibacterial, Antifungal and Cytotoxic Activity. *International Journal of Toxicological and Pharmacological Research*, 5 (2): 47-54.
- Vantomme, P. (2010) Edible forest insect, an overlooked protein supply. *Unasylva*, 236, 61, 19-21.
- Vasuki, K. and Basavanna, H. M. (1969) Variety difference in the content of total and soluble minerals of mulberry leaves. *Silkworm Information Bulletin*, 1:31-35.
- Verk, J. S., Kaur R. and Kaur P. (2009) Performance of eri silkworm, *Samia ricini* Boisduval in different seasons of Punjab. *Indian Journal of Sericulture*, 2009, 48(1):78-80.
- Vijayan, K., Nair, C. V. and Chatterjee, S. N. (2005) Molecular characterization of mulberry genetic resources indigenous to India. *Genetic Resources and Crop Evolution*, 52, 77-86.
- Vijaykumar, L., Chakravarthy, A. K., Patil, S. U., Rajanna, D. (2009) Resistance mechanism in rice to the midge *Orseolia oryzae* (Diptera: Cecidomyiidae). *Journal of Economic Entomology*, 102, 1628-1639.
- Virk, J. S., Kaur, R. and Kaur, P. (2009) Performance of eri silkworm, *Samia cynthia ricini* Boisduval in different seasons of Punjab. *Indian Journal of Sericulture*, 48: 78-80.
- Vishwakarma, S. R. and Thangavelu, K. (1981) Studies on rearing of eri silkworm (*Philosomia ricini*.) on different food plants. *Annual Report, RARS, C.S.B., Titabor*:17-18.
- Waldbauer, G. P. (1968) The consumption and utilization of food by insects. In: *Advances in Insect Physiology*, Vol. 5, Acad. Press, New York, pp. 229-288.

- Wheatley, C. and Chuzel, G. (1993) Cassava: The Nature of the Tuber and the Use as a Raw Material. In: Macrae, R., Robinson, R. and Sadler, M., Eds., *Encyclopedia of Food Science, and Food Technology and Nutrition*, Academic Press, San Diego, 734-743.
- Wyatt, G. R. (1961) The biochemistry of insect haemolymph. *Annual review of entomology*, 6, 75-102.
- Wyatt, G. R. (1967) The biochemistry of sugars and polysaccharides in insects. In: *Advances in insect physiology*, Beament, J. W. L, Trehem, J. E. and Wiggiesworth, V. B. (Eds.), 4:287-360.
- Yadav, G. S. and Mahobiam, G. P. (2010) Effect of different food leaves on rearing performance in Indian tropical tasar silkworm *Antheraea mylitta* Drury (Lepidoptera: Saturniidae). *Uttar Pradesh Journal of Zoology*, 30: 145-152.
- Yamamoto, T. and Fujimaki, T. (1982) Interstrain differences in food efficiency of the silkworm, *Bombyx mori*, reared on artificial diet. *Journal of Sericultural Science Japan*, 51(4):312-315.
- Yamamoto, T. Gamo, T. (1976) Studies on the breeding in relation to the improvement of food utilization in the silkworm, *Bombyx mori* L. in mutual relations among the amount of food digested, digestibility and several quantitative characters in the silkworm reared on an artificial diet. *Sericultural Science Japan*, 45(1), 81-86.
- Yashiro, H., Nakasone, S., Waeanble, K., Nakamura, M and Suda, H. (1985) Daily utilization of various kinds of nutrients by the silkworm, *Bombyx mori* L.(Lepidoptera: Bombycidae). *Applied Entomology and Zoology*, 20(2):159-172.
- Yokohoma, T. (1962) Synthesized science of sericulture, Central Silk Board, Bombay, pp.232-238.
- Yokoyama, T. (1963). Sericulture. *Annual Review of Entomology*, 8:287-306.
- Yokoyama, T. (1975) (Ed.) Text Book of Tropical Sericulture. Japan overseas cooperation volunteers, Tokyo: 444-537.