

PUBLICATIONS

(2009-10)

RESEARCH PAPERS IN INTERNATIONAL/NATIONAL JOURNALS:

1. Bhau, B. S., Medhi, K., Das, A.P., Saikia, S. P., Neog, K. and Choudhury, S. N. (2009) Analysis of *Persea bombycina* "Som" Using RAPD-Based Molecular Markers. *Biochem. Genet.*, DOI 10.1007/s10528-009-9242-6, Published online on 8th May 2009.
2. Bindroo, B. B., Singh, N.T. and Sahu, A. K. (2009) *Litsea glutinosa* Lour. A new food plant of muga silkworm (*Antheraea assamensis* Helfer). *Sericologia*, 49 (2): 231-237.
3. Chattopadhyay, S., Ali, K.A., Doss, S.G., Das, N.K., Aggarwal, R.K., Bandopadhyay, T.K., Sarkar, A. and Bajpai, A. K. (2010) Evaluation of mulberry germplasm for resistance to powdery mildew in field and greenhouse. *J. Cen. Plant Pathol.* 76: 87-93.
4. Chattopadhyay, S., Gogoi, A.K.; Tikader, A.K., Probhakar, C. J. and Rajan, R. K. (2010) Assessment of Soalu (*Litsea monopetala*) morphotypes for resistance to brown leaf spot at field environment. *J. Assam Sci. Society* (in press).
5. Chutia, M., Deka Bhuyan, P., Pathak, M. G., Sharma, T. C. and Boruah, P. (2009) Antifungal activity and chemical composition of *Citrus reticulata* Blanco essential oil against phytopathogens from North East India. *LWT-Food Science and Technology*, 42: 777–780 (Elsevier).
6. Das, K. and Das, R. (2009) Aspergillosis: A fungal Diseases in Muga Silk moth *Antheraea assamensis*. *Insect Environment*, 15(2): 72-74.
7. Das, K., Chutia, M., Das, R. and Chakravorty, R. (2009) Impact of bio pesticides on indigenous golden silk producer muga silkworm, *Antheraea assamensis*, Helfer (Lepidoptera: Saturniidae) in different crop seasons. *Journal of Science and Technology Management*, 2(12): 3-8
8. Das, R. and Das, K. (2009) Incidence of leaf spot disease of som (*Persea bombycina*) in relation to weather and chemical management. *Indian Journal of Mycol. and Plant Pathol.* 38(2): 322-324.
9. Das, R., Das, K. and Jha, D.K. (2009) Epidemiology of *Pestalotiopsis disseminate* causing grey blight disease of muga food plant som (*Persea bombycina*). *Environmental Biology and Conservation* (Accepted, In Press).
10. Das, R., Das, K., Dutta, P. and Chakravorty, R. (2009) Effect of plant extracts on foliar blight disease of soalu caused by *Colletotrichum gleosporides*. *Environmental Biology and Conservation*, 13: 23-27
11. Hazarika, U.; Dutta, R.K. and Chakravorty, R. (2009) Morphology and yield attributing features of ginger and turmeric under natural shade of som (*persea bombycina* kost) plants. *Advances in Plant Sciences*, 22(1): 115-117.
12. Neog, K., Singh, H. R., Unni, B.G. and Sahu, A.K. (2010) Analysis of Genetic Diversity of Muga Silkworm (*Antheraea assamensis*, Helfer; Lepidoptera: Saturniidae) using RAPD-Based Molecular Markers. *African J. Biotech.* 9(12): 1746-1752.
13. Renthlei, C. Z., Raghuvaman, A., Kharbuli, B. and Dey, S. (2010). Progressive chorion morphology during egg development in *Samia ricini* (Donovan). *Microsc. Res. Tech.*, 73(3): 234-9.

14. Sarkar, B.N, Chutia, B.C, Ghose, J and Barah, A (2009) Life History of *Attacus Atlas* L (Lepidoptera: Saturniidae) on *Litsaea Monopetala* Juss in North east India. *Bombay Natural History Society* (Accepted, In Press)
15. Sarkar, B.N. and Gogoi, S.N. (2010) Genetic variability studies in eri silkworm (*Samia ricini* Donovan) of North Eastern Region of India *Indian Journal of Genetics & Plant Breeding* 70 (1):76.
16. Sarkar, B.N. and Sarmah, M.C. (2010) Seasonal variation of grainage characters in seed production of eri silkworm, (*Samia ricini* Donovan) *Indian J. Seric.* 49(1): 88-91.

POPULAR ARTICLES/TALKS/NEWS ITEM

1. Chattopadhyay S (2009) Achievements and future projections in mulberry improvement using molecular biology tools at CSR & TI, Berhampore. Talk delivered in the Interactive meeting of DBT on Consortium of mulberry genome program held at UAS, Bangalore on December 1.
2. Chutia, M. (2009) Muga silkworm, is it safe in near future? *N.E. Quest* (Newsletter of the North East India Research Forum), 3(2): 28-31.
3. Das, R. and Das, K. (2009) *Pseudomonas* bacterial disease of muga silkworm. *Indian Silk*, 47(12): 18-19.
4. Das, K. Das, R., Sharma, M. C., Sarkar, B. N. and Ghose, J. (2009) Outdoor rearing of Eri silkworm on muga food plant. *Indian Silk*, April, pp: 14-15.
5. Ghose, J. and Chakravorty, R (2009) Hatkargha Udyog *Reshom Bharti*, pp:23-25.
6. Ghose, J. and Chakravorty, R (2009) Muga Cocoon Dryer – An easy stifling alternative, *Indian Silk*, November issue pp: 24-25.
7. Hazarika, U. and Chakravorty, R. (2009) National Conference on Vanya Silk *Indian Silk* 48(2):28-29.
8. Prabhakar, C.J and Sahu, A.K., (2009) Joint Secretary (Silk) visits RMRS, Boko, *Indian Silk*, August (2009), pp-33.
9. Sahu, A.K. Bindroo, B.B. and Gogoi, P.R. (2009) Complete indoor rearing of muga silkworm, *Antheraea assamensis* Helfer. *Indian Silk* (accepted).
10. Sahu, A.K., (2009) Bamboo mountage: A new innovation for spinning of muga silkworm, *Antheraea assamensis* Helfer. *Indian silk* accepted).
11. Sahu, A.K. (2009) Black color polymorph of muga silkworm, *Antheraea assamensis* Helfer. *Indian Silk* (accepted).
12. Sahu, A. K.; Gogoi, A. K. and Chattopadhyaya, S. (2009) Muga Reshom Krishmela at Boko, *Indian Silk*, August (2009), pp-35.
13. Sahu, A.K. (2010) Muga culture in North-East., *Souviner*, Jana Bajnan Mela, Pub. Kamrup College, Baihat Chariali, Kamrup. Assam, pp: 45-48.
14. Senapati, M.D. (2009) A brief report on Field day cum Exhibition at Dhekargarah block of Jorhat district *Indian Silk* , December (2009).

BOOKS/ BOOK CHAPTERS PUBLISHED

1. Das, R. (2009) *Mugar Utpadan Griha aru Sajuli Samuhar Porisudhan Pranali*. In: *Unnata pranilire Muga Sas Utpadan* (2009). Published by Central Muga Eri Research and Training Institute, pp: 26-30.
2. Das, K. (2009) *Hasua Muga Utpadanat Udbhav Hoa Bibhinna Rog Aru Pratikar*, In: *Unnata pranilire Muga Sas Utpadan* (2009). Published by Central Muga Eri Research and Training Institute, pp: 20-25
3. Goswami, D. (2009) *Jali Grihar Babasthapana, Khola Sangrah Aru Sanrakhan*, (in Assamese), In: *Unnata pranilire Muga Sas Utpadan* (2009). Published by Central Muga Eri Research and Training Institute.
4. Handique, P. K. (2010) *Cultivation practices of kesseru and its management* In: *A Handbook of Eri Culture*, Published by Central Muga Eri Research and Training Institute, pp: 8-15.
5. Hazarika, U. and Choudhuri, B.N.(2010) *Intercropping with eri host plants for additional income generation* In: *A Handbook of Eri Culture*, Published by Central Muga Eri Research and Training Institute, pp: 16-25.
6. Mech, D.; Rajkhowa, G. and Rajan, R.K. (2010) *Effect of high temperature on muga silkworm seed crop*. Presented in the National Seminar on Global Climate Change : Frontier Research in Biological Sciences, organized by Deptt. of Life Sciences, Dibrugarh University on 12th Feb'10.
7. Rajkhowa, G. (2009) *Mugar Nirugi Hanch Utpadanat Chakari PareekhanPadhhatir Aabasyakata* In: *Unnata pranilire Muga Sas Utpadan* (2009). Published by Central Muga Eri Research and Training Institute, pp: 36-40.
8. Rajkhowa, G. (2009) *Vyabakhayik Bhattit Mugar Hanch Utpadan* In: *Unnata pranilire Muga Sas Utpadan* (2009). Published by Central Muga Eri Research and Training Institute, pp: 41-48.
9. Sarkar, B.N. (2010) *Eri silkworm rearing technology* In: *A Handbook of Eri Culture*, Published by Central Muga Eri Research and Training Institute, pp: 26-35.
10. Sarkar, B.N. (2010) *Improved technology for eri seed grainage* In: *A Handbook of Eri Culture*, Published by Central Muga Eri Research and Training Institute, pp: 36-44.
11. Sarmah, M.C. (2010) *Raising of castor and its management*. In: *A Handbook of Eri Culture* Published by Central Muga Eri Research and Training Institute. pp: 1-7.

Book/Booklets/leaflets/training manual etc.

- Muga Silkor Bikakhot Boigganic Paddhati Samuh- Package of Practices for muga culture (2009)
- Muga Polur Anistakari Kuji Makhir Joibik Niantran Paddhati- Biological Control of Uzi fly, a pest of muga silkworm (2010).
- A Hand book of Ericulture (2010)
- Unnat Pranalire Mugar sanch Utpadan (2009)
- Artificial diet rearing of muga silkworm (2010; training manual)