

### Research Papers

- Ahmed, S. A., Sarmah, M. C. and Rajan, R. K. (2012). New report of Syonaka (*Oroxylum indicum* (L.) Benth. ex Kurz.) as a food plant of Eri Silkworm, *Samia ricini* Donovan (Lepidoptera: Saturniidae) in Assam, India. *Munis Entomology & Zoology*, 7 (1): 650-652 ISSN: 1306-3022
- Ahmed, S.A. (2006). Storage and management of bio-resources and Cold Chain (Lead Paper). Souvenir cum Abstract on National Seminar on Value Addition to Bioresources of North East India Post Harvest Technology & Cold Chain, May 19-21, 2006 at Guwahati. pp.69-73.
- Ahmed, S.A. (2008). *Agri Business: A Viable Option for New Generation Entrepreneurs*. UGC Sponsored National Level Seminar on "Entrepreneurship Development – A Key Issue for Socio-economic Development"
- Ahmed, S.A. (2013). *Attacus atlas* L. (Lepidoptera: Saturniidae): A New Record on *Ailanthus excelsa* Roxb. From Assam, India. *World Journal of Zoology* 8 (2): 127-130(ISSN 1817-3098).
- Ahmed, S.A. and Rajan, R.K. (2011). Exploration of *vanya* silk biodiversity in North Eastern Region of India: Sustainable livelihood and poverty alleviation. Proceedings of International Conference on Management, Economics and Social Sciences (ICMESS'2011), December 23-24, 2011 at Bangkok, Thailand. pp.485-489, ISBN: 978-81-922428-3-5
- Ahmed, S.A.,(2012). Exploration of forest bio-resources in *vanya* silk sector with special reference to eri silk. *MUCCALUNG*. International Consultative Meeting on Seribiotechnology 2012 (ICMS 2012), December 5-7, 2012, Imphal, Manipur (India). pp.20
- Ahmed, S.A., Dutta, L.C. and Sarmah, M.C. (2012). Bio-Efficacy of some Insecticides against Leaf Eating Caterpillar, *Cricula trifenestrata* Helfer (Lepidoptera: Saturniidae)

## List of Publications

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Infesting Som, *Persea bombycina* Kost. Plantation. Academic Journal of Entomology 5(2): 94-98.

Ahmed, S.A., Dutta, L.C. and Dutta, S.K. (1996). Role of abiotic components on the infestation build-up of *Cricula trifenestrata* Helf. (Lepidoptera : Saturniidae) on Som plant. *Bioved* 7(2): 155-160. [NAAS Rating: 2.8], ISSN: 0971-0108, Paper presented in National Symposium on Conservation of Bio-diversity, Allahabad, 22-23 Feb, 1997. Souvenir & Abstract. pp.20

Ahmed, S.A., Dutta, L.C. and Khaund, J.N. (1996). Biology and feeding behaviour of *Cricula trifenestrata* Helf. (Lepidoptera: Saturniidae)- A pest of Som, *Machilus bombycina* King. *J. Appl. Zool. Res.* 7(2): 135-136 [NAAS Rating: 3.0],

Ahmed, S.A., Gogoi, B. Sarmah, M.C. and Sarkar, C.R. (2013). Utilization of *Ailanthus* germplasm in eri silkworm rearing: A new dimension of sustainability in ericulture. Souvenir cum Compendium, 1<sup>st</sup> Bodoland National Seminar cum Workshop on Sericulture industry and its role in the socio-economic upliftment in rural Society, 10<sup>th</sup> -11<sup>th</sup> August 2013. pp. 193-201.

Ahmed, S.A., Goswami, D and Mech, D, (2012). Effect of pesticide applied in tea gardens on muga silkworm rearing. Compendium of Seminar Papers. National Seminar on Recent Trends in Research & Development in Muga Culture: Ideas to Action, 3-4 May 2012, Guwahati, pp:114-121.

Ahmed, S.A., Hazarika, M. and Dutta, L.C. (2013). Impact of Environmental Pollution and Pesticides on Sericulture Industry. Souvenir cum Compendium, 1<sup>st</sup> Bodoland National Seminar cum Workshop on Sericulture industry and its role in the socio-economic upliftment in rural Society, 10<sup>th</sup> -11<sup>th</sup> August 2013. pp. 80-90.

Ahmed, S.A., Kalita, D.N. and Dutta, B.C. (1997). Food consumption and utilization by the different larval instars of *Cricula trifenestrata* Helf. on Som plant. *New Agriculturist* 8(2): 179-181 [NAAS Rating: 2.7], ISSN: 0971-0647

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- Ahmed, S.A., Kalita, D.N. and Dutta, L.C. (1996). New record of two pupal parasitoids of *Cricula trifenestrata* Helf. (Lepidoptera : Saturniidae) –A pest of Som plant. *New Agriculturist*, 7(2): 199-200 [NAAS Rating: 2.7], ISSN: 0971-0647
- Ahmed,S.A., Gogoi, B. and Sarmah, M.C. (2013). *Ailanthus* tree: a medicinally important perennial flora, its conservation and utilization in ericulture. Abstract: National Conference on recent advances in Modern Biology and Sericulture for Women Empowerment and Rural Development (RAMBSWERD-2013) held on 24-26<sup>th</sup> October 2013 at KSSDRI, Bangalore. pp.15
- Dash, Chinmayee and Ahmed, S.A. (2013). Group Approach in Ericulture for Women Empowerment: A case study in Brahmaputra valley of Assam. Abstract: National Conference on recent advances in Modern Biology and Sericulture for Women Empowerment and Rural Development (RAMBSWERD-2013) held on 24-26<sup>th</sup> October 2013 at KSSDRI, Bangalore.
- 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, 2012 (ISSN 2079-2077)
- Saikia, S.K., Dutta, S.K. and Ahmed, S.A. (1996). Nymphal development of *Sitobion miscanthi* (Tak.) on certain wheat varieties. *Bioved* 7(2): 121-125. [NAAS Rating: 2.8], ISSN: 0971-0108. Paper presented in the National symposium on Conservation of Bio-diversity, Allahabad, 22-23 Feb,1997, Souvenir & Abstract. pp.19.
- Sarmah, M. C., Ahmed, S. A. and Sarkar, B. N. (2012). Research & technology development, byproduct management and prospects in Eri culture - A review. *Munis Entomology & Zoology*, 7 (2): 1006-1016
- Sarmah, M. C., Ahmed, S. A. and Sarkar, B. N. (2013). New pests of Kesseru, *Heteropanax fragrans* (Roxb.) Seem a perennial host plant of Eri Silkworm, *Samia ricini* (Donovan). *Munis Entomology & Zoology*, 8 (2): 900-901



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- Sarmah, M. C., Ahmed, S. A., Sarkar, B. N., Debaraj, Y. and Singh, L. S. (2013). Seasonal variation in the commercial and economic characters of Eri Silkworm, *Samia ricini* (Donovan). *Indian Forester*, 139 (7) : 660-662
- Singh, Umed and Ahmed, S.A. (2002). Integrated Development of Horticulture in North Eastern India through NHB programmes. National Workshop on Commercialization of Patchouli in NE Region, 9-11 April 2002 at Guwahati. pp. 77-80

### Book Chapter

- Ahmed S.A. and Sarmah M.C. (2011). Agronomical Practices & management of Eri Silkworm host plants, presented in the workshop on "Improved technologies of eri culture for higher productivity" held at CMER&TI, Lahdoigarh, Jorhat on 25<sup>th</sup> March, 2011. pp. 1-9
- Ahmed, S. A. (2013). Entrepreneurship Development- Concept & Context. In: Value Addition & Marketing Management in Sericulture Sector [A comprehensive training manual]. Jointly published by Central Muga Eri Research & Training Institute, Lahdoigarh and CCS National Institute of Agricultural Marketing, Jaipur. pp. 33-38
- Ahmed, S. A. (2013). Overview of Training of Trainers. In: Value Addition & Marketing Management in Sericulture Sector [A comprehensive training manual]. Jointly published by Central Muga Eri Research & Training Institute, Lahdoigarh and CCS National Institute of Agricultural Marketing, Jaipur. pp. 1-3
- Ahmed, S. A. Sarmah, M.C. and Sarkar, B.N. (2013). Improved Technologies of Eri Silkworm Host Plant Management. In: Value Addition & Marketing Management in Sericulture Sector [A comprehensive training manual]. Jointly published by Central Muga Eri Research & Training Institute, Lahdoigarh and CCS National Institute of Agricultural Marketing, Jaipur. pp. 4-11

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- Ahmed, S.A. and Dutta, L.C. (1999). Application of Dyar's law to different larval instars of *Cricula trifenestrata* Helf. (Lepidoptera: Saturniidae). Environmental Pollution and Agriculture, Chapter-57, pp. 445-448 [ISBN: 81-7648-321-4] Anish Publishing House, Dariya ganj, New Delhi- 17
- Ahmed, S.A. and Dutta, L.C. (2011). Management of Wild Silk, *Cricula trifenestrata* Helfer – A pest of Som plant. Proceedings of National Workshop on Innovation in Sericulture: Before & Beyond. CSTR, Mysore, 28-29 January 2011, pp.172-173.
- Ahmed, S.A., Sarmah, M.C. and Dutta, L.C. (2013). Improved rearing technique and management of eri silkworm rearing. In: *Sericulture in Assam (Muga & Eri)*, published by Directorate of Extension Education, Assam Agricultural University, Jorhat. pp. 81-93
- Sarkar B.N., Sarmah, M.C., Ahmed S.A., Senapati, M and Rajan R.K. (2011). Improved Eri Culture: Current trends in Research and Development in Emerging areas of seribiotechnology. (Course material /invited talks) edited by M. Chutia and K. Das, CMER&TI, Lahdoigarh: pp 32-46.

### Book written/Edited

- Ahmed, S.A. and Mittal, R. (2013). Value Addition & Marketing Management in Sericulture Sector [A comprehensive training manual]. Jointly published by Central Muga Eri Research & Training Institute, Lahdoigarh and CCS National Institute of Agricultural Marketing, Jaipur.
- Ahmed, S.A., Sarmah, M.C., Sarkar, B.N, Giridhar, K. and Singha, B.B. (2014). Package of Practices for Eri Silkworm C2 breed. Published by Central Silk Board, Bangalore.

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Chutia, M., Ahmed, S.A., Neog, K. and Das, K. (2012). Compendium of Seminar Papers. National Seminar on Recent Trends in Research & Development in Muga Culture: Ideas to Action, 3-4 May 2012, Guwahati

Sarmah, M.C., Sarkar, B.N., Ahmed, S.A. and Deuri, J. (2013). Ericulture- A comprehensive profile. Published by Directorate of Sericulture, BTC, Assam.

### Popular article/Technical Reports

Ahmed, S.A. (2010). Recent advances in product diversification in Eri silk industry, <http://www.ways.org>.

Sarmah M.C, Goswami, D., Mech, D. and Ahmed, S.A. (2012) Beneficiaries Empowerment Programme at Aizawal, Mizoram Indian Silk, 2 (11) (50 old): 41-42.

Ahmed, S.A. (2013). International Consultative Meeting on Seribiotechnology 2012. Indian Silk, 4(52 old) No. 3: 33.

Ahmed, S.A. (2013). Peripatetic training on muga reeling and eri spinning, Hemali Village, Jorhat. Indian Silk, 4(52 old) No.3: 44.

Ahmed, S.A. (2013). Two Farmers' Awareness Programme at Titabor and Majuli on 25<sup>th</sup> & 27<sup>th</sup> February 2013 organized by CMER&TI and sponsored by CCS National Institute of Agricultural Marketing, Govt. of India, Jaipur. Indian Silk, 4(52 old)No.4-5: 44

Ahmed, S.A. 2009. Biological Control of harmful insect pests (*in Assamese*).*Deuboria Janasadharan, published from Guwahat.*

### Booklets

Sarmah M.C. and S.A. Ahmed (2012): *Kesseru brikhyar rupan aru pratipalanar britista pranali.*

S.A. Ahmed and M. Chutia (2012): *Integrated Pest Management in Castor Plantation*

S.A. Ahmed (2012). *Eri huta kotar unknot padhati.* (Edited)

Sarkar, B.N, Sarmah, M.C. and Ahmed, S.A. (2013). *Bahubarkhiya khadyabrikhare eri polu palon paddati.*

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## List of Awards & Academic Distinctions

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1. **National Merit Scholarship**, Govt. of India
2. **University Merit Scholarship**, Assam Agril. University, Jorhat (Assam)
3. **IDB International Fellowship** during Post-Graduate Studies.
4. **AZRA Young Scientist Award**, 1996 for Best Research Paper presentation organized at CRRRI, Indian Council of Agricultural Research, Cuttack.
5. **Prof. Debeswar Pathak Memorial Cash Prize** for Topper in M.Sc (Agri) programme, 1995-97 batch, Assam Agricultural University, Jorhat.
6. **M/s Gujarat Agro Industries Corp. Ltd. Cash Prize** for securing highest CGPA in Plant Protection Departments.
7. Qualified **Senior Research Fellowship**, ICAR, New Delhi during 2000.
8. **Most Active Participant Award & the Most Talent Group Award (As Group Leader)** at APO programme on Supply Chain Management for Agribusiness Enterprises on May 22-28, 2008 at Bangkok, Thailand.
9. **“Best Conference Paper Award”** in the **International Conference on Management, Economics and Social Sciences (ICMESS’2011)** on 23-24 December, 2011 at Bangkok, Thailand.
10. **“Best Poster Presentation Award”** for the poster entitled *“Exploration of forest bio-resources in Vanya silk sector with special reference to eri silk”* on the occasion of International Consultative Meeting on Seribiotechnology 2012 organized by IBSD, Department of Biotechnology, Govt. of India, Imphal from 5-7 December 2012.