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<https://www.researchgate.net/profile/Arup-Kumar-Sarma/publications>

Name : DR. ARUP KUMAR SARMA
Father's name : Sri Birendra Nath Sarma
Present designation : Senior Scientist & PI (AINP on Soil Arthropod Pests)
 Department of Entomology
 Assam Agricultural University, Jorhat-13, Assam, India.
Permanent address : Namkhala, PO. Chatma, Dist: Nalbari, Assam. PIN: 781350
Date of birth : 01-07-1972
Academic qualification : Ph.D.(Agri.) in Entomology

| Exam. | Board/Univ. | Year | Division/class |
|-------------------------------------|--------------------|-------------|-----------------------|
| HSLC | SEBA, Assam | 1988 | 1 st |
| HSSLC (Sc) | AHSEC, Assam | 1991 | 1 st |
| B.Sc. (Agri.); Elective: Entomology | AAU, Jorhat | 1996 | 1 st |
| M.Sc. (Agri.); Major: Entomology | AAU, Jorhat | 1999 | 1 st |
| Ph.D. (Agri.) in Entomology | AAU, Jorhat | 2018-19 | 8.16/10.0 |
| DCA | NEiIT, Nagaon | 1999 | 1 st |

National Eligibility Test (NET) examination qualified in Agricultural Entomology in 2001 & 2004.

Work/Research/Teaching experience after post-graduation: More than 22 years.

| Post held | From - to | Name of the Organisation |
|---|-------------------------|--|
| Project Assistant | 2-5-2000 to 5-9-2000 | CSIR-NEIST, Jorhat, Assam |
| Senior Research Fellow | 6-9-2000 to 30-10-2004 | Central Agril. Univ., Imphal, Manipur. |
| Field-cum-Lab Assistant. | 31-03-2005 to 27-3-2009 | CHF, CAU, Pasighat, Ar. P. |
| Programme Assistant | 30-3-2009 to 23-11-2009 | KVK, AAU, Nalbari, Assam |
| SMS equivalent to Asstt. Professor (Stage I) | 25-11-2009 to 31-12-15 | KVK, Assam Agricultural University (AAU), Dibrugarh, Assam |
| SMS equivalent to Asstt. Professor (Stage II) | 1-01-2016 to 11-8-2018 | |
| Asstt. Professor (Stage II) | 12-8-2018 to 31-12-2020 | BNCA, AAU, Biswanath Chariali, |

| | | |
|------------------------------|-----------------------|---------------------------------------|
| Asstt. Professor (Stage III) | 1-1-2021 to 30-6-2022 | Assam |
| Senior Scientist & PI | 1-7-2022 till date | Assam Agricultural University, Jorhat |

Professional profile/profile web-links:

- (i) <http://www.aau.ac.in/colleges/departments/college-ofagriculture/entomology/faculty/1/8/profile/Dr.-Arup-Kumar-Sarma/378>
- (ii) National Associate Editor, Indian Journal of Entomology:
<https://indianentomology.org/index.php/ije/about/editorialTeam#>
- (iii) <https://www.researchgate.net/profile/Arup-Kumar-Sarma/publications>
- (iv) <https://scholar.google.co.in/citations?user=7Ao9yOwAAAAJ&hl=en>
- (v) ORCID ID: 0000-0003-2224-3372
- (vi) Google scholar ID: 7Ao9yOwAAAAJ

Life Fellowship/membership of Professional /Scientific Body

1. Life Fellow of the Entomological Society of India, New Delhi.
2. Life member of the Association of Agro-meteorologists, Anand.
3. Life member of the Society for Community Mobilization for Sustainable Development, New Delhi

Publications & other aspects related to research, teaching and extension:

| Research article | Book chapter | Ex. Bulletin | Popular article | Training manual | Abstract published* | Winter school/ /seminar etc. | Training attended | TV/Radio programme |
|------------------|--------------|--------------|-----------------|-----------------|---------------------|------------------------------|-------------------|--------------------|
| 40 | 03 | 12 | 41 | 02 | 03 | 36 | | 31 |

*Abstract published in Seminar & Symposium

List of research publication

Number of research articles published in different journals with their NAAS rating

| Sl. No | Journal Name | Published by | No. of Research Article | NAAS Rating (2022) |
|--------|---|---|-------------------------|--------------------|
| 1 | Pest Management Science | John Wiley & Sons Ltd. | 01 | 10.85 |
| 2 | Sustainability | MDPI, Switzerland | 01 | 9.25 |
| 3 | Indian Journal of Entomology | Entomological Society of India, IARI, New Delhi | 13 | 5.08 |
| 4 | Journal of Community Mobilization and Sustainable Development | IARI, New Delhi | 01 | 5.67 |
| 5 | Journal of Biological Control | NBAIR, Bangalore | 01 | 5.34 |
| 6 | The Pharma Innovation Journal | New Delhi, India | 02 | 5.23 |
| 7 | Annals of Plant Protection Science | Division of Nematology, IARI, New Delhi | 02 | 4.82 |
| 8 | Journal of Soils and Crops | Association of Soils and Crops Research Scientists, Nagpur. | 01 | 4.50 |
| 9 | Journal of Applied Zoological Researches | Applied Zoologists' Research Association, CRRI, Cuttack. | 10 | 4.22 |

| | | | | |
|--------|---|---|----|------|
| 10 | Pest Management in Horticultural Ecosystem | Indian Institute of Horticultural Research, Bangalore | 01 | 4.49 |
| 11 | Journal of Krishi Vigyan | Society of Krishi Vigyan, Punjab | 01 | 4.41 |
| 12 | Journal of Plant Protection & Environment | Society of Plant Protection & Environment, OUAT. | 01 | 1.52 |
| 13 | Indian Sugar | Indian Sugar Mills Association | 04 | - |
| 14 | Journal of Zoological and Entomological Letters | AkiNik Publications | 01 | - |
| Total: | | | 40 | - |

List of Research articles published

1. **Sarma Arup Kumar**, Christian Damgaard, and Prasanta Neog. 2021. "Retrospection of Outbreaks of *Spodoptera mauritia* Boisduval in NER India: The Solution Lies in Ecological Engineering, Not in Insecticides" *Sustainability*, 13(22): 12824. <https://doi.org/10.3390/su132212824>
2. Elizabeth A Finch, Tim Beale, Mani Chellappan, Georg Goergen, Basana Gowda Gadratagi, Mohammed Abul Monjur Khan, Abdul Rehman, Ivan Rwomushana, **Arup Kumar Sarma**, Kris AG Wyckhuys, Darren J Kriticos. 2021. The potential global distribution of the papaya mealybug, *Paracoccus marginatus*, a polyphagous pest. *Pest Management Science*, **77(3)**: 1361-1370. <https://doi.org/10.1002/ps.6151>
3. **Sarma, Arup Kumar**; Shobha Dutta Deka, and Prasanta Kumar Das. 2022. Invasion of *Aleurodicus rugioperculatus* Martin in Assam: posing threat to coconut growers. *Indian Journal of Entomology*, 84(3): 582-587. doi No.10.55446/IJE.2021.315
4. Neha Das, Budha Bora, Manoj Kumar Kalita, Ranima Mishra, and **Arup Kumar Sarma**. 2023. Evaluation of common botanicals against *Colletotrichum acutatum* causing anthracnose disease of strawberry (*Fragaria ananassa*) *The Pharma Innovation Journal*, 12(2): 1545-1549. DOI: <https://doi.org/10.22271/tpi.2023.v12.i2s.18606> (NAAS Rating: 5.23)
5. **Sarma A. K.**, H.K. Bhattacharyya, A. Barooah, C. Thakuria, M. Kachari, H. Saikia and A. Salam. 2021. A Study on Electric-cum-solar fencing as a Tool for Facilitating Multiple-cropping in Area with Open-grazing by Stray-cattle. *Journal of Community Mobilization and Sustainable Development*, 16(3): 1036-1038
6. **Arup Kumar Sarma**, Himashree Goswami, Jayanta Kalita, P K Sarma and Layanmoy Barthakur. Occurrence of Fall Army Worm *Spodoptera frugiperda* (J E Smith) In Assam. 2022. *Indian Journal of Entomology*, Online published Ref. No. e21128

7. Bikram Barkataky, Banashree Sarma, Kishore Kr. Sarma, Prabal Saikia, **Arup Kr. Sarma**, Ranjita Bezbaruah, Nandita Baruah, Lakshi K Nath and Namita Dutta. 2021. Modified Homestead method of Azolla cultivation: A novel low cost farming method. *Journal of Soils and Crops*. 31(2): 197-203.
8. Rupam Das, Prarthna Rajkumari, **Arup Kumar Sarma**, Nirmali Borah, and Jayanta Kalita. 2022. Urea and nano-urea impact on population of *Bemisia tabaci* Gennadius and *Aphis gossypii* Glover in sunflower, *Helianthus annuus* L. *The Pharma Innovation Journal*, SP-11(12): 872-875.
9. **Sarma, Arup Kumar**. 2021. Increasing monkey menace in Biswanath district of Assam, India: BNCA campus has become a paradise for Rhesus monkeys. *International Journal of Zoological and Entomological Letters*; 1(1): 05-11
10. **Sarma, A. K.** and Singh, M. P. 2005. Varietal resistance of castor, *Ricinus communis* L to defoliators. *Indian Journal of Entomology*, **67**(1):58–61.
11. Singh, K. M.; Sureja, A. K. and **Sarma, A. K.** 2006. Bio-efficacy of some botanicals against *Callosobruchus chinensis* L on pea. *Indian Journal of Entomology*, **68**(4): 409 – 411.
12. **Sarma, A. K.** and Singh, M. P. 2007. Do cocoon-mountage-substrates affect the cocoon parameter and grainage behaviour of Eri silkworm, *Samia cynthia ricini* Boisduval? *Indian Journal of Entomology*, **69**(2):185 – 188.
13. Gupta, M. K. and **Sarma, A. K.** 2007. Life parameters of sugarcane plassey borer, *Chilo tumidicostalis* Hampsn reared on different internodes of plant sugarcane. *Indian J. of Entomology*, **69**(4): 327 – 330.
14. Singh, M. P; **Sarma, A. K.** and Nandini Chongtham. 2008. Varietal effect on leaf parameters of *Ricinus communis* L and economic traits of *Samia cynthia ricini* Boisduval under different production systems. *Indian Journal of Entomology*, **70**(2): 149 - 152.
15. **Sarma, A. K.** 2013. Invasion of Papaya Mealy Bug, *Paracoccus marginatus* in Assam. *Indian Journal of Entomology*, **75**(4): 355-356
16. Gupta, M. K; Singh, Kennedy Y and **Sarma, A. K.** 2013. Growth and Development of *Plutella xylostella* L. in relation to temperature. *Indian Journal of Entomology*, **75**(4):357-359.
17. Gupta, M. K.; Longlu Marangmei; **Sarma, A. K.** and Rupam Sarmah. 2018. Potential of some indigenous filicinophytes of Manipur against *Plutella xylostella* L. *Indian Journal of Entomology*, **80**(3): 554-558. (DOI:10.5958/0974-8172.2018.00200.6)
18. **Sarma, A. K.** and Gupta, M. K. 2018. Favourable factors for outbreak of Rice Swarming Caterpillar in Dibrugarh, Assam. *Indian J. of Entomology*, **80**(3): 698-702. (DOI:10.5958/0974-8172.2018.00225.0)
19. **Sarma, A. K.** and Abdus Salam. 2018. Outbreak of *Spodoptera mauritia* Boisduval in Assam. *Indian Journal of Entomology*, **80**(4): 1646-1653 (DOI:10.5958/0974-8172.2018.00271.7)
20. Gupta, M. K; Longlu Marangmei and **Sarma, A. K.** 2018. Efficacy of extract of some ferns against *Plutella xylostella* L. *Indian Journal of Entomology*, **80**(4): 1667-1671 (DOI:10.5958/0974-8172.2018.00305.X)

21. **Sarma, A. K.** and Gupta, M. K. 2008. Effect of some traditional and non-traditional protective measures on recovery of uzi-infested eri silkworm. *Journal of Biological Control*, **22**(1):231-234.
22. **Sarma, A. K** and Gupta M.K. and Deka U.C. 2008. Growth of *Chilo tumidicostalis* to sucrose levels of sugarcane internodes, *Annals of Plant Protection Science*, **16**(1): 209-210.
23. Gupta, M. K. and **Sarma, A. K.** 2007. Plassey borer, *Chilo tumidicostalis* Hampson damage in sugarcane, *Annals of Plant Protection Sciences*, **15**(1): 12 -14.
24. **Sarma, A. K** and Khound, J. N. 2004. Seasonal incidence of Uzifly, *Exorista sorbillans* Wied.: A potential larval endoparasitoid of Eri silkworm, *Samia cynthia ricini* Boisd. *Journal of Appl. Zool. Researches*, **15**(1): 88-90.
25. **Sarma, A. K** and Khound, J. N. 2004. Efficacy of some physical barriers, botanicals and chemicals against Uzifly, *Exorista sorbillans* Wiedmann parasitizing Eri silkworm, *Samia cynthia ricini* Boisd. *Journal of Applied Zool. Research.*, **15**(2): 184-188.
26. Singh, K. M.; **Sarma, A. K.** and Gupta, M. K. 2007. Insecticidal activity of *Curcuma caesia* Roxb. on Hadda beetle, *Henosepilachna vigintioctopunctata* (Fabr.) *J. of Appl. Zool. Res.*, **18** (1): 44 – 46
27. Singh, K. I.; Singh, M. P and **Sarma, A. K.** 2005. Impact of sowing dates, nitrogen levels and indigenous plant extracts in the management of *Lipaphis erysimi* (Kalt) on rapeseed. *J. Appl. Zool. Res.*, **16**(1):31-33.
28. **Sarma, A. K.**; Singh, M. P; and Singh, K. I. 2005. Studies on insect-pests of castor in the agro-ecosystem of Manipur. *Journal of Applied Zool. Res.*, **16**(2): 164-165
29. Riba, Toge and **Sarma, A. K.** 2006. Efficacy of *Trichogramma japonicum* Ashmead against yellow stem borer, *Scirpophaga incertulas* on rice in Nagaland. *J. of Appl. Zool. Res.* **17** (2): 196 – 200.
30. **Sarma, A. K.**; Singh, M. P and Singh, K. I. 2006. Resistance of the local genotypes of castor to *Achaea janata* L. and *Spodoptera litura* Fabr. *Journal of Appl. Zool. Res.*, **17** (2): 179 –181.
31. Singh, K. I.; Singh, L. N.; Singh, M. P; and **Sarma, A. K.** 2005. Effect of certain management levels of nitrogen with or without *Azospirillum* on the incidence of *Orseolia oryzae* Wood-Mason in rice. *Journal of Appl. Zool. Researches*, **16**(1): 54-56.
32. Singh K. M., Singh M. P. and **Sarma A. K.**; 2010. Growth and developmental profile of *Henosepilachna vigintioctopunctata* (Fabr.) on different cucurbits. *J. Appl. Zool. Res.*, **21**(1):37-39.
33. **Sarma A. K.**; Singh K. M. and Singh L N K. 2012. Effect of different plant species on growth and development of *Spodoptera litura*. *Journal of Applied Zoological Researches*, **23**(1): 15 – 18.
34. Singh, K. I.; Singh, M. P and **Sarma, A. K.** 2004. Effect of indigenous plant extracts on the incidence of mustard aphid, *Lipaphis erysimi* (Kalt) on cabbage. *Pest Management in Horticultural Ecosystem.* **10** (2):127-132
35. Bhattacharyya, H. K.; Baruah, S.; **Sarma, A. K.** and Barooah, A. 2013. An analytical Study of Livestock Sector in Adopted Village. *Journal of Krishi Vigyan*, **1**(2): 10-12.

36. **Sarma, A. K.**; Gupta, M. K and Singh, K. M. 2005. New record of one dipteran endoparasitoid of *Cricula trifenestreata* Helfer on Som. *Journal of Plant Protection & Environment*, **3**(1): 143-144.
37. Gupta, M. K. and **Sarma, A. K.** 2007. Seasonal variation in growth index, longevity and gravimetric parameters of *Chilo tumidicostalis* Hampsn on plant & ratoon sugarcane. *Indian Sugar*, **57**(1): 25-30.
38. Gupta, M. K. and **Sarma, A. K.** 2007. Effect of damage intensity to *Chilo tumidicostalis* Hmpsn on yield parameter & juice quality of sugarcane. *Indian Sugar*, **57**(2): 31- 34.
39. Gupta, M. K. and **Sarma, A. K.** 2007. Larval morphometry of *Chilo tumidicostalis* Hampson reared on different intervals of sugarcane. *Indian Sugar*, **57**(3): 29-32.
40. Gupta, M. K.; **Sarma, A. K.** and Deka, U. C. 2008. Effect of sucrose levels of sugarcane internodes on morphometry of *Chilo tumidicostalis* Hamp. on plant & ratoon crop. *Indian Sugar*, **58**(3):31-34.

Peer recognitions:

1. (a) National Associate Editor, Indian Journal of Entomology, Entomological Society of India, IARI, New Delhi.
- (b) Members of the Board of Reviewing Editor, Journal of Bioresources (An UGC-CARE journal), Rajiv Gandhi University, Arunachal Pradesh.
- (c) Associate Editor, Journal of Zoological and Entomological Letters.
2. Life Fellow of the Entomological Society of India, IARI, Pusa, New Delhi.
3. Reviewer, Indian Journal of Entomology, Entomological Society of India, IARI, New Delhi.
5. Best paper and best presentation Award in National Seminar on “Potential, Prospects and Strategies for Doubling Farmers’ Income: Multi-stakeholder Convergence” (2017).
6. Question paper setter & External Evaluator in Central Agricultural University, Imphal.
7. Question paper setter for SASRD, Nagaland University, Nagaland.
8. PG Thesis evaluation for SASRD, Nagaland University, Nagaland.

No. of project associated with: 04
