## **Publications 2018-19 (Research Articles)**

- 1. Baishya M., Barman H., Rahman S. A. S., (2019), Present Status of Eri Muga Culture in NE Region and related biodiversity resources as tool for sustainable economic uplifting of seri-Stakeholders, International Journal of Life Science, 5(3), 2284-2290.
- 2. Kalita M, Krondashree D, Das K, Chutia M, Das R, Subrahmanyam G. (2018), Diversity and distribution of biosurfactant producing plant growth promoting bacteria (PGPB) from hydrocarbon contaminated soils of upper Assam. International Journal of Current Microbiology and Applied Science, 7: 204-215.
- 3. Subrahmanyam G, Chutia M, Das R. (2019), Suitable molecular methods in the rapid diagnosis of microbial pathogens of Muga silkworm, Antheraea assamensis Helfer (Lepidoptera: Saturniidae). Research journal of Agriculture Sciences, (Accepted).
- 4. Gohain, A., Sarma, R.K., Debnath, R. et al. (2019) Phylogenetic affiliation and antimicrobial effects of endophytic actinobacteria associated with medicinal plants: prevalence of polyketide synthase type II in antimicrobial strains. Folia Microbioly (accepted)
- 5. Gandotra S., Kumar A., Naga K., Bhuyan P. M., Gogoi D. K., Sharma K., Subramanian S., (2018). Bacterial community structure and diversity in the gut of Muga silkworm, Antherae aassamensis Lepidoptera: Saturniidae from India. Insect Molecular Biology,27(5): 603-619
- 6. Bhuyan P. M., Sandilya S. P., Nath. P. K., Gandotra S., Subramanian S., Kardong K., Gogoi D. K., (2018). Optimization and characterization of extracellular cellulase produced by Bacillus pumilus MGB05 isolated from midgut of muga silkworm (Antheraea assamensis Helfer). Journal of Asia Pacific Entomology, 21(4):1171-1181.
- 7. Devi S. S., Debaraj Y., Chaudhuri R. S., Singh N. I., (2019) Biology and morphometrics of Phalera raya Moore (Lepidoptera: Notodontidae) infesting Quercus serrata Thunb, Munis Entomology and Zoology, 14(2) (published online).
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- 9. Chaudhuri R. S., Debaraj Y., & Singh N. I., (2018) Impact assessment of front line demonstration of technologies on oak tasar cocoon yield and economics, Sericologia, 58(3&4): 182-188.
- 10. Singh S., Jigyasu D. K., Roy D., Shabnam A. A., Das R., (2018). Feeding Behaviour of Two Important Predator Bugs Eocantheconafurcellata Wolff and Sycanuscollaris Fabricius in Muga Ecosystem. Research Journal of Agricultural Sciences, 10(1): 185-188

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Subrahmanyam G, Kalita M, Chutia M, Das R. (2018). Repetitive sequence based polymerase chain reaction (rep-PCR) technique as a suitable diagnostic tool in silkworm pathology. BioQuest, 2(1): 13-15.

Kalita M, Subrahmanyam G, Chutia M, Das R. (2018). Biodesulfurization: A step towards sulphur free air. BioQuest, 2(1): 23-25.

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- Vinodakumar, S. N., Jigyasu, D. K., Das, R. & Tamuly, B., Soil Health Card and Its Impact on Livelihood Security of Seri-Farmers of NE-India, International Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBSA) 13-16 December, 2018.
- Biswas, N., Rahman, S. A. S., Neog, K., & Bagchi, R. Improvement of cocoon yield of Jethua commercial crop through alteration of crop schedule in Tarai region of West Bengal. APSERI-2019, 2-4th March 2019, Mysuru.
- Biswas, N., Rahman, SAS., Neog, K., and Das, R., (2019). Jarua pre seed crop of Muga silk worm under changing climatic condition in tarai Region of West Bengal. National Seminar on Recent Trend in Ecological Research. Assam University, Silchar.
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- P.M. Bhuyan, S.P. Sandilya, T. J. Keisa and D.K. Gogoi. Impact of culture parameters on CMCase and β- glucosidase activity of Muga silkworm (Antheraea assamensis Helfer) gut bacteria, National Seminar on "Vanya Sericulture and Ser-Biodiversity for Economic Upliftment: SeriBioEcon-2018" organized by CMER&TI, Central Silk Board from 12th to 13th March' 2018.

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