

Research Papers

1. K. Jena, Ruchi Kumari, J.P. Pandey, P.K. Kar, J.Akthar, A.K.singh, V.P. Gupta and A.K. Sinha, (2021). Biochemical characterization of sericin isolated from cocoons of tropical tasar silkworm *Antheraea mylitta* raised on three different host plants for its prospective utilization. *Journal of Asia Pacific Entomology*. 24, 903-911
2. Mohammed Muzeruddin Baig, Gajendrapal Singh, Devdoss Immanuel Gilwax Prabhu, Manjappa, Alok Sahay & Sathyanarayana Kutala. 2021. Characterization of Tasar Silkworm *Antheraea Mylitta* Drury (Saturniidae: Lepidoptera) Midgut Bacterial Symbionts Through Metagenomic Analysis. *International Journal of Tropical Insect*
3. Rakesh Kumar, S Karmakar, Asisan Minz, Jitendra Singh, Abhay Kumar, Arvind Kumar 2021: Assessment of Greenhouse Gases Emission in Maize-wheat cropping system under varied N fertilizer application using Cool Farm Tool (CFT), *Frontiers in Environmental Science*, section Interdisciplinary Climate Studies.
4. V Anand, P., Pandey, J.P. & Pandey, D.M. 2021. Study on cocoonase, sericin, and degumming of silk cocoon: computational and experimental. *J Genet Eng Biotechnol* 19, 32 (2021). <https://doi.org/10.1186/s43141-021-00125-2> .
5. Aruna kumar, G.S., Gnanesh,B. N., Manojkumar, H. B., Gandhi Doss, S., Mogili, T., Sivaprasad,V and Tewary, P. (2021). Genetic Diversity, Identification, and Utilization of Novel genetic Resources for Resistance to *Meloidogyne incognita* in Mulberry (*Morus* spp.). *Plant Disease*. 0:1-10. <https://doi.org/10.1094/PDIS-11-20-2515-RE> (accepted)
6. Sarkar, T., Doss, S. G., Sivaprasad, V., and Teotia, R.S. 2021. Stress tolerant traits in mulberry (*Morus* spp.) adaptive to climate change: an update on its genetic improvement. In: Razdan MK, and Thomas TD (Eds) *Genetic improvement of mulberry in context of climate change*. CRC Press, Boca Raton, FL, USA <https://doi.org/10.1201/9780429399237> .
7. Mala, N, K. Jena, M.M. Baig (2021). Half male half female: A rare prodigy of Gynandromorphism in Tasar silkworm *Antheraea mylitta* D (Saturniidae: Lepidoptera) with special reference to its proactive behaviour. *Journal of Entomology and Zoology Studies*. 9(6), 97-102.
8. Manjappa, H. Yadav, Surendranath, DIG Prabhu, MM Baig, K. Sathyanarayana 2021. Evaluation of leaf nutritional quality of tasar silkworm food plant hybrids of *Terminalia arjuna* and *T.tomentosa*. *Sericologia* 61 (3&4): 114-120.
9. MM Baig, B. T. Reddy, DM Bawaskar, DIG Prabhu, Manjappa, CM Bajpayi and Sathyanarayana K. 2021. Determination of pupal sexual size dimorphism in tasar silkworm, *Antheraea mylitta* Drury (Lepidoptera: Saturniidae) from India using discriminant function analysis. *Sericologia*. 61 (3&4): 19-22.
10. Mohammed Muzeruddin Baig, G.P Singh, Shazia Mumtaz and Chandra Mouli Bajpayi. 2021. *Cordyceps* (Medicinal Mushroom) Production Utilizing Tasar Silkworm Waste. *Indian Silk* 12:60(1)24-27.
11. Hanamant Gadad, A. H. Naqvi, Vishal Mittal, Jitendra Singh and Susmita Das. 2021. Biology and Damage Pattern of Hairy Caterpillar *Selepa celtis* Moore (Lepidoptera: Nolidae) on *Terminalia arjuna*. *International Journal of Current Microbiology and Applied Sciences* 10(01): 25-31. doi: <https://doi.org/10.20546/ijcmas.2021.1001.004>.
12. Kamala Jayanthi Pagadala Damodaram, Hanamant Shivalingappa Gadad, Saravana Kumarpale Pally, Sridhar Vaddi, Laxman Ramanna Hunashikatti and Ravindra Mohan Bhat. 2021. Low moisture stress influences plant volatile emissions affecting herbivore interactions in tomato, *Solanum lycopersicum*. *Ecol. Ent.*. DOI: 10.1111/een.13012

13. Hanamant Gadad, A. H. Naqvi, Asha Kachhap, Vishal Mittal, Jitendra Singh and Susmita Das 2021. Impact of seasonal adult emergence period on reproductive performance of tasar silkworm *Antheraea mylitta* Drury (Lepidoptera: Saturniidae). *Entomon* 46(2): 135-142.
14. Gadad, H., A. Bhagat, A.H. Naqvi and S. Kutala 2022. Host instar susceptibility and stage specific predatory potential of *Eocanthecona furcellata* on tasar silkworm *Antheraea mylitta*. *J. Environ. Biol.*, 43, 702-708.