

Research Papers

1. Goyal, D.K. Das, V.K. Sehgal, A. Vashisht, S.P. Datta, J. Mukherjee, S. Pradhan, J. Singh and R. Singh (2018). Effect of row direction and cultivar on micrometeorological and biophysical parameters of oil seed Brassica, *Journal of Agrometeorology*, 20 (Special Issue-I): 85-91.
2. Alam, K., Bhattacharjya, D., Chowdhury, T., Saha, S. and Kar, P.K. (2018). Biodiversity status and conservational requirements of tropical Tasar (*Antheraea mylitta* D.) - A review. *Ecology, Environment and Conservation*, 24 (4) : 1887-1894.
3. Chattopadhyay, D and Khan, Z.M.S. (2018). Quality characteristics and frequency distribution of filament and non- broken filament length of tropical tasar cocoons, *Sericologia*, 58 (3 & 4), 189- 197.
4. Pandiaraj T., P.P. Srivastava, Susmita Das and A.K. Sinha. (2018). Assessing soil fertility status of tasar host plants growing soils in Purulia district of West Bengal state. *Journal of Pharmacognosy and Phytochemistry*, 7 (2):2966-2970.
5. Chattopadhyay, D, Khan, Z.M.S. (2018). Quality characteristics and frequency distribution of filament as well as non- broken filament length of tropical tasar cocoons. *Sericologia*, 58 (2), 132- 139.
6. Chattopadhyay, D., Munshi, R & Chakravorty, D. (2018). Studies on distribution of filament length and non- broken filament length for tropical tasar and muga silk cocoons vis-à-vis mulberry silk cocoons. *Journal of the Textile Institute*, 109 (9), 1202- 1207.
7. Chinmaya, T. Pandiaraj, PP Srivastava and AK Sinha. (2018). Status and variability of soil nutrients and carbon sequestration with depth in the Tasar host plants growing soils. *Journal of Pharmacognosy and Phytochemistry*, 7 (4):1828-1831.
8. G. P. Singh, MM Baig, J Singh, J.P. Pandey, AK Sinha and KB Jena (2018). Use of certain chemicals for easy and quick detection of *Nosema mylittensis* Spores infecting tropical tasar silkworm, *Antheraea mylitta* Drury (Saturniidae: Lepidoptera). *Journal of Entomology and Zoology Studies*; 6(5): 2328-2331.
9. Giri, S. and Misra, S. (2018) Manganese from soil to silk in tasar silkworm *Antheraea mylitta* D and its effect in cocoon yield. *Agricultural Extension Journal* ISSN- : 2521-0408; 2(2): 81-88.
10. J. Singh, D. K. Das, S. Vennila and K.S. Rawat (2018) Weather based forewarning of pest and disease: An important adaptation strategies under the impact of climate change scenario: A brief review, *International Journal of Advanced Multidisciplinary Scientific Research (IJAMSR)* ISSN:2581-4281, 1 (10) p5-26.
11. J. Singh, K.S. Rawat, A. Kumar, S. Mukherjee, G.P. Singh, S. Ray, T. Pandiaraj and A.K. Sinha (2018) Weather Based Forewarning of Predators in Tasar Silkworm (*Antheraea mylitta* D) at Kathikund, Dumka (Jharkhand - India) *International Journal of Current Microbiology and Applied Sciences* ISSN: 7(2): 633-638.
12. J. Singh, Kishan Singh Rawat, Vishal Mittal, T. Pandiaraj, S. Kujur, G. P Singh and Alok Sahay (2018) Assessment of bark eater infestation and its management in *Terminalia Arjuna*, Primary food plant of tasar silkworm, *International Journal of Advanced Multidisciplinary Scientific Research (IJAMSR)* ISSN:2581-4281, 1 (10) p1-5.

13. J. Singh, T. Pandiaraj, S. Kujur, G. P Singh and A. K Sinha. (2018) Assessment of bark-eater infestation and its management in *Terminalia arjuna*, Primary food plant of tasar silkworm, *International Journal of Advanced Multidisciplinary Scientific Research* (IJAMSR) 1 (10):2581-4281.
14. Jena, K., J.P. Pandey, R. Kumari, A.K. Sinha, V.P. Gupta and G.P. Singh (2018). Free radical scavenging potential of various ecoraces of tasar silk sericin and its cosmeceuticals implication. *International Journal of Biological Macromolecules*, 120; 255-262.
15. K. Jena J.P. Pandey, R. Kumari, A.K., Sinha, VP Gupta and G.P. Singh (2018): Tasar silk fiber waste sericin: New source for anti-elastase, anti-tyrosinase and anti-oxidant compounds. *International Journal of Biological Macromolecules*; 114: 1102-1108.
16. Kumar, N., I. G. Prabhu, Manjappa, A. K. Sinha and Alok Sahay. (2018). Development of RAPD-SCAR markers for the identification of *Antheraea mylitta* with high shell weight. *Journal of Entomology and Zoology Studies*. 6(6): 828 – 833.
17. Majhi, J., Acharya, A., Patra, G.C., Mohanty, N. and Kar, P.K. (2018). Biochemical constituents in leaves of primary host of tasar silkworm *Antheraea mylitta*. *Indian Journal of Entomology* 80(4): 1338 – 1340.
18. Manjappa, I. G. Prabhu, N. Kumar and A.K. Sinha. 2018. Molecular Diversity of Azotobactersp. Isolates from Rhizosphere of Tropical Tasar Silkworm Host Plants. *International Journal of Current Microbiology and Applied Sciences*. 7(7): 2800 – 2806.
19. Manjappa, Santosh Deshpande, S. Rangaiah and M.V.C. Gowda, (2018). Assessment of molecular diversity in an elite set of finger millet (*Eleusine coracana* (L.) Gaertn.) genotypes using SSR markers. *Electronic Journal of Plant Breeding*, 9 (2): 564-576
20. Mohammed Muzeeruddin Baig, T. Pandiaraj, Asish Kumar Rout, Manjappa, DIG Prabhu, Chandrika Sinku, Gajendra Pal Singh and Ajit Kumar Sinha. 2018. Evaluation of nutrient status in termite mounds and adjacent soils associated with tasar sericulture ecosystem. *Journal of Entomology and Zoology Studies*; 6 (5): 206-210.
21. P.P. Srivastava, T. Pandiaraj, Susmita Das and A.K. Sinha. (2018). Status of micronutrients in the tasar host plants growing soils in Purulia district of West Bengal. *International Journal of Chemical Studies*. 6 (5): 1118-1121.
22. Pandey, J.P. A.K. Sinha, K.Jena, V.P. Gupta, P. Kundu and D.M. Pandey (2018).Prospective utilization of *Antheraea mylitta* cocoonase and its molecular harmony with nature. *International Journal of Advanced Research* 6 (5): (6), 1014-1019.
23. Pandiaraj T., P.P. Srivastava, Susmita Das and A.K. Sinha. (2018). Assessing soil fertility status of tasar host plants growing soils in Purulia district of West Bengal state. *Journal of Pharmacognosy and Phytochemistry*.7 (2):2966-2970.
24. Prabhu, I. G., M. Bakshi, Manjappa, M. M. Baig, P. P. Srivastava, Lokesh, N. Kumar and Alok Sahay. (2018). Differential Expression of Heat Shock Proteins during Heat Stress in Tropical Tasar Silkworm, *Antheraea mylitta*. *International Journal of Current Microbiology and Applied Sciences*. 7(12): 2451- 2457.
25. S. Kamaraj, T. Pandiaraj, C. Malliga, P.P. Srivastava, K.N. Madhusudhan, L. Zuinama and A.K.Sinha. (2018). Physico-Chemical Properties of Termite Mound Soils and their

Foliar Spray on *Terminalia arjuna* Plant. *Chemical Science Review and Letters.* 7(26): 594-598.