

CSB-CSR&TI, Pampore
LIST OF PUBLICATIONS (2025-26)

Research Papers
National

1. Vasanth V, K Senguttuvan, P Priyadharsini, Ponnuvel K M, Ranjith Kumar S, Arasakumar E, Swathiga G and Prety Rekha Narzary (2025) Impact of newer insecticidal residue on mulberry silkworm, *Bombyx mori* L. *Plant science today* pp 1-5.
2. Vasanth V., K. Senguttuvan, R. Gandhi Gracy, P. Priyadharsini, K.M. Ponnuvel, M. Jayakanthan, S. Ranjith Kumar and E. Arasakumar (2025) Genomic insights and adaptation mechanisms of silkworm (*Bombyx mori*) towards pesticide use vol. 132 (3) pp 406-413
3. Kalpana, R., Menaka, S., Nandha Kumar, R., Sabarish, M., Moulidharshan, R., Mithilasri, M. and Arasakumar, E. (2025) Constraints encountered by the sericulture practicing farmers during silkworm rearing in Tamil Nadu, *International Journal of Zoology and Applied Biosciences* Vol. 10 (4) pp 128-131
4. Rajesh Kumar, Nangsena Mangpoong, Azad Gull, G.T. Behere and Kartik Neog (2025) Biosystematics of uzifly, *Blepharapazebina*(Diptera: Tachniidae) in Muga Silkworm (*Anteheraea assamensis*, Helfer) emphasis to control measures. *Communicated to Zoological Records, MOEFCC, Govt. of India*
5. Azad Gull, Harishkumar Jayaram, Amit Kumar, Vijay Settu, Rani Kumar Sajane, Arun Kumar M., Rubia Bukhari, Sosanka Protim Sandilya, Shakeel A Khan, Aftab A Shabnam and Rajesh Kumar (2025) Residual Pesticides in Silk as Chemicals in Commerce: Environmental Exposure Pathways, Biological Impacts, and Insurance and Toxic Tort Implications” *Environment Claim – Taylor & Francis*
6. Azad Gull, Mysore Nagaraj Anil Kumar and Amit Kumar (2025) Influence of metal ions on the economic parameters of mulberry Silkworm *Bombyx mori* (Lepidoptera: Bombycidae) *Biologia Futura* pp. 1-11
7. Azad Gull and M. N. Anil Kumar (2025) Investigation on the mechanical and economic Characteristics of the mulberry silkworm breeds (Lepidoptera: Bombycidae). *Journal Of Experimental Zoology India*. Volume Vol. 29(1)
8. Saini, P., Shabnam, A. A., Rohela, G. K., Pal, C., Magadum, S. K., Shukla, P., ... & Singh, S. CURRENT STATUS AND FUTURE PERSPECTIVES OF MULBERRY BREEDING FOR NORTH WEST INDIA WITH SPECIAL EMPHASIS ON TEMPERATE REGIONS. *Silkworm Host Plant Breeding: Trends, Challenges and Future Strategies*, 46.

9. Muga culture in Mizoram: Poised for a big leap by K.P. Arun Kumar, T. Pachuau, Aftab A Shabnam & K M Vijayakumari January-June 2025, Vol.15, No.1 Indian Silk pp.4-6
10. Abshiba, K., Sharma, V. K., Kumar, P., Syam, S., Barnwal, P. P., & Kumar, S. (2025). A comprehensive review of soil quality indicators under diverse land uses in rainfed areas. *Discover Soil*, 2(1), 1-27.
11. Rohela, G. K., Saini, P., Rudramani, K., Roy, P., Syam, S., Bhardwaj, S. & Singh, S. (2025). Mulberry (*Morus* spp.): A promising field crop for livestock forage. *Animal Feed Science and Technology*, 116558.
12. Singh, G., Raigar, O.P., Kaur, S., Bishnoi, R., Mondal, K., Abreha, K.B., Nayak, A.K., Athar, T., Sharma, V., Aziz, D., Saini, P and Gudi, S. (2025). Advances in genomics-assisted breeding strategies for enhancing nutrient uptake and use efficiency in cereals: A pathway toward sustainable agriculture. *Plant Stress*, 101002. (NAAS: 12.80; IF: 6.9)
13. Rohela, G.K., Saini, P., Rudramani, K., Roy, P., Syam, S., Bhardwaj, S., Ayoub, O.B., Aziz, D., Khan, G.A. and Singh, S. (2025). Mulberry (*Morus* spp.): A promising field crop for livestock forage. *Animal Feed Science and Technology*, 116558. (NAAS: 8.50; IF: 2.7)
14. Sarmah, D., Gurung, N., Saini, P., Devi, M.P., Mohapatra, P., Pramanik, K., Jena, C. and B, R. (2025). Advances in orchid conservation: biotechnology applications and global trade dynamics. *Frontiers in Conservation Science*, 6, 1653827. (IF: 1.8)
15. Saini, P, Danishta A, Chhattar P, Basangouda G, Gulab K R, Pooja S, and Zakiya S (2026). "High-Throughput Phenotyping Tools for Sustainable Agriculture." In *Next Generation Crop Improvement for Agricultural Sustainability and Food Security*, pp. 232-258. CRC Press.

International

16. Kumar, A., Moharana, P. C., Jena, R. K., Malyan, S. K., Fagodiya, R. K., Shabnam, A. A., ... & Subramaniam, G. D. (2025). Prediction of Soil Available Nitrogen Using Machine Learning and Digital Mapping Techniques in Northeast India. *Environmental Challenges*, 101375.
17. Roy, P., Rohela, G. K., Bhardwaj, S., Syam, S., Gonal, B., Saini, P., & Ayoub, O. B. (2025). Solid Waste Treatment Technologies: Urban Sustainability Challenges. In *Sustainable Urban Environment and Waste Management: Theory and Practice* (pp. 203-221). Singapore: Springer Nature Singapore.
18. Rohela, G. K., Saini, P., Syam, S., Roy, P., Gonal, B., Aziz, D., & Maheswari, M. (2025). Mulberry Trees: A Sustainable Solution for Urban Forestry and Improved Air Quality. In *Sustainable Urban Environment and Waste*

Management: Theory and Practice (pp. 223-246). Singapore: Springer Nature Singapore.