

CSB-CSR&TI, Pampore
LIST OF PUBLICATIONS (2026-27)

Research Papers

1. Gull, A., Mysore Nagaraj, A. K., Braxton, T., Kumar, A., Padhan, D., **Bukhari, R.**, ... & Aurade, R. (2026). Techno-Mechanical and Structural Properties of Indian Mulberry Silkworm Fibers: An Insight into the Structure–Property Relationship. *Fibers*, 14(5), 53. (IF: 3.9)
2. **Verma, R.**, Kushwaha, K. P. S., Kumar, S., & Rawat, S. (2026). Evaluation of organic vinegar treatments and black gram [*Vigna mungo* (L.) Hepper] genotypes for the management of pod rot disease caused by *Fusarium humuli*. *Frontiers in Plant Science*, 17, 1647478. (IF: 4.8)
3. Argana, A., Tarafdar, A., **Vaishnav, S.**, Gaur, G. K., Singh, M., Rahman, C. F., ... & Chauhan, A. (2025). Unravelling bio-climatic thermal stress driven behavioral pattern shifts in crossbred pigs. *Journal of Thermal Biology*, 104332. (IF: 2.9)
4. **Vaishnav, S.**, Ajay, A., Singh, G., Kumar, A., & Chauhan, A. (2025). Breed-specific responses to experimental heat stress in Tharparkar and Vrindavani cattle. *International Journal of Veterinary Sciences and Animal Husbandry*, 10(8), 130–134 (NAAS: 4.61)
5. Ajay K, A., **Vaishnav, S.**, Das, A., & Mishra, B. (2025). Enhancing reproductive efficiency in commercial pig farms: A scientific review on critical sow and litter-level indicators. *International Journal of Veterinary Sciences and Animal Husbandry*, 10(1), 77–86.
6. Ganesh B. Gathalkar and **Jitendra Singh** 2026: Electroantennographic Responses of *Xanthopimpla pedator* to Plant Volatiles in the Tasar Ecosystem: Preliminary Insights, *Entomologia Experimentalis et Applicata*, 1–16. <https://doi.org/10.1111/eea.70126> (IF: 1.9)
7. **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*, 1-11. (IF 1.50) (Ph.D. work)
8. **Azad Gull** and M. N. Anil Kumar, 2026. Investigation on the mechanical and economic Characteristics of the mulberry silkworm breeds (Lepidoptera: Bombycidae). *Journal Of Experimental Zoology India*. Volume 29(1), January 2026 (Scopus- Accepted) (Ph.D. work)
9. **Bukhari, R., N. S. Pangotra, A. Gull, S. A. Ahmed, K. Alam, R. Kumar, and N. Sakthivel.** 2025. “Applications of Artificial Intelligence and Machine Learning in Mulberry Cultivation and Sericulture Systems: Enhancing Productivity, Precision and Sustainability.” *Indian Silk*. (Accepted for publication.)
10. Enhancing reproductive efficiency in commercial pig farms: A scientific review on critical sow and litter- level indicators by **Sakshi Vaishnav** (Communicated)

to *Enhancing reproductive efficiency in commercial pig farms: A scientific review on critical sow and litter- level indicators*)

11. Diversifying Mulberry (*Morus* spp.) based Systems to Enhance Carbon Sequestration, Microbiome Function, Soil Restoration and Ecosystem Services: A Systematic Review. (Communicated to *Ecological Frontiers* by **Sh. Jyotirmay Roy**)
12. "ML-Driven Stability Mapping of Bivoltine Silkworm Races Across Divergent Climatic Regimes in the Doon Valley" – Communicated to *Indian Silk* by **Sakshi Vaishnav**.
13. "Application of Artificial Intelligence and Machine Learning in Sericulture" – Communicated to *Indian Silk* by **Arasakumar E**.