

List of Publications

Kumari, S., Saini, R., Bhatnagar, A., & Mishra, A. (2023). HR-LCMS and evaluation of anti-diabetic activity of *Hemidesmus indicus* (anantmool): Kinetic study, and molecular modelling approach. *Computational Biology and Chemistry*, 105, 107896. <https://doi.org/10.1016/j.compbiolchem.2023.107896>

Kumari, S., Saini, R., & Mishra, A. (2023). Phytochemical profiling and evaluation of the antidiabetic potential of *Ichnocarpus frutescens* (Krishna Sariva): kinetic study, molecular modelling, and free energy approach. *Journal of Biomolecular Structure and Dynamics*, 1-20. <https://doi.org/10.1080/07391102.2023.2248265>

Kumari, S., Saini, R., Bhatnagar, A., & Mishra, A. (2023). Exploring plant-based alpha-glucosidase inhibitors: promising contenders for combatting type-2 diabetes. *Archives of Physiology and Biochemistry*, 1-16. <https://doi.org/10.1080/13813455.2023.2262167>

Kumari, S., Saini, R., Bhatnagar, A., & Mishra, A. (2023). A comprehensive review on ayurvedic herb *Leptadenia reticulata* (Jeevanti): a phytochemistry and pharmacological perspective. *Natural Product Research*, 1-27. <https://doi.org/10.1080/14786419.2023.2282119>

Saini, R., **Kumari, S.,** Bhatnagar, A., Singh, A., & Mishra, A. (2023). Discovery of the allosteric inhibitor from actinomyces metabolites to target EGFR CSTM LR mutant protein: molecular modeling and free energy approach. *Scientific Reports*, 13(1), 8885. <https://doi.org/10.1038/s41598-023-33065-7>

Saini, R., **Kumari, S.,** Singh, A., & Mishra, A. (2023). From nature to cancer therapy: Evaluating the *Streptomyces clavuligerus* secondary metabolites for potential protein kinase inhibitors. *Journal of Cellular Biochemistry*. <https://doi.org/10.1002/jcb.30501>

Bhatnagar, A., Saini, R., **Kumari, S.**, & Mishra, A. (2024). HRLCMS based metabolite profiling of antioxidant and hypoglycaemic properties of Daruharidra (*Berberis aristata*): an in vitro and molecular modelling approach. *New Journal of Chemistry*, 48(2), 578-590. <https://doi.org/10.1039/D3NJ03494A>

Bhatnagar, A., Tripathi, A. D., **Kumari, S.**, & Abha Mishra. (2025). Cadmium sulfide nanoparticles (CdSNPs) modulate key oncogenic pathways in PA1 ovarian cancer cells: Insights from transcriptomic analysis. *Toxicology in Vitro*, 106079. doi: <https://doi.org/10.1016/j.tiv.2025.106079>

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