Publications

1. Singh, Siddhartha, and **Rashmi Mishra***. "Glioblastoma-associated microglia/macrophages (GAMs): Advances in knowledge and implications for glioblastoma (GBM) therapy." *Biochimica et Biophysica Acta (BBA) - Reviews on Cancer*, vol. 1877, no. 6, 2026, p. 189742. Doi:10.1016/j.bbcan.2026.189742 (*Corresponding Author*) (IF: 11.2)

2. Shinde, Puja Laxmanrao, Siddhartha Singh, Vikas Kumar, K. C. Sivakumar, Amit Mishra, and **Rashmi Mishra***. 2026. "*Amalaki Rasayana*, a Gallic Acid-Enriched Traditional Phytomedicine, Attenuates Left Ventricular Cardiac Remodeling Associated with Excess Extracellular Galectin-3 Through Modulation of Surface Engagement and Compartmentalization: A Non-Canonical Mechanism of Antioxidant Cardioprotection" *Antioxidants* 15, no. 11: 1423. https://doi.org/10.3390/antiox15111423 (*Corresponding Author*). (IF: 8.2)

3. Shinde PL, Kumar V, Singh S, Sivakumar KC, Abhirami P, Mishra A, **Mishra R***. Targeting Galectin-3 C-epitope oligomers associated maladaptive mechanotransductive signaling in pressure-overload–induced left ventricular cardiac hypertrophy. *bioRxiv*. 2026;2026.02.09.704762. doi:10.64898/2026.02.09.704762. (*Corresponding Author*)

4. Shinde PL, Kumar V, Singh S, Sivakumar KC, **Mishra R***. Galectin-3 C-epitope, ANP, PPIA, and albumin function as drug-responsive panel biomarkers and therapeutic targets in aging and pressure-overload–induced cardiac hypertrophy. *bioRxiv*. 2025;2025.05.31.657024. doi:10.1101/2025.05.31.657024. (*Corresponding Author*)

5. Gayathri KG, Shinde PL, John S, Sivakumar KC, **Mishra R***. Understanding the combined effects of high glucose-induced hyperosmotic stress and oxygen tension in tumourigenesis: From mechanism to anticancer therapeutics. *Cells*. 2023;12(6):825. doi:10.3390/cells12060825. (IF: 7.666) (*Corresponding Author*)

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7. Krishna AP, John S, Shinde PL, **Mishra R***. Proteo-transcriptomics meta-analysis identifies SUMO2 as a promising target in glioblastoma multiforme therapeutics. *Cancer Cell Int*. 2021;21:575. doi:10.1186/s12935-021-02279-y. (IF: 6.72) (*Corresponding Author*)

8. John S, Sivakumar KC, **Mishra R***. Bacoside A induces tumour cell death in human glioblastoma cell lines through catastrophic macropinocytosis. *Front Mol Neurosci*. 2017;10:171. doi:10.3389/fnmol.2017.00171. (IF: 6.2; CiteScore: 8.56) (*Corresponding Author*)

9. John S, Sivakumar KC, **Mishra R***. Extracellular proton concentrations impact LN229 glioblastoma tumour cell fate via differential modulation of surface lipids. *Front Oncol*. 2017;7:2. doi:10.3389/fonc.2017.00002. (IF: 6.244) (*Corresponding Author*)

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