

January 2026: NII Publications

1. Ashraf A, Khan MA, Choudhury A, Kumari S, Alotaibi BS, Noor S, Adnan M, Hassan MI. Synergistic effect of the rifaximin-berberine combination against *Klebsiella pneumoniae*: RfaH targeting supported by MD simulation. **Biomol Biomed**. doi: 10.17305/bb.2026.13776.
2. Khan J, Waseem M, Kamble K, Parvez S, Banerjee BD, **Gupta S**, Raisuddin S. Role of bisphenol A in the aberrant activation of ionotropic glutamate transporters in the cerebral cortex and altered behavioral responses in C57BL/6J mice. **Front Toxicol**. doi: 10.3389/ftox.2025.1680589. PMID: 41602272.
3. Kar R, Sinha S, Khatun Z, Sharma A, **Patil VS**. A distinct subset of stem-cell memory is poised for the cytotoxicity program in CD4 *sup* + *sup* T cells in humans. **Sci Adv**. PMID: 41499515; PMCID: PMC12778050.
4. Mahtha SK, Venkadesan S, **Mohanty D**. (2026) Comparative evaluation of the prediction accuracy of AlphaFold and ESMFold for monomeric and dimeric proteins. **NAR Genom Bioinform**. 8:lqag002. doi: 10.1093/nargab/lqag002
5. Rai H, Singh R, Shankar G, Rai S, Kumar P, Nilakhe AS, Singh N, Bhadoria P, Singh G, Ramanathan V, **Gupta S**, Krishnamurthy S, Srikrishna S, Kumar S, Modi G. Discovery of NIRF theranostic probes targeting amyloid- β and cholinesterases in Alzheimer's disease models. **Nat Commun**. doi:10.1038/s41467-025-68282-3. PMID: 41587966.
6. Srivastava S, Chandramouli A, Gupta P, Manzer AR, Choudhury R, Reddy DS, Yazdani SS, Kamat SS, **Mohanty D**, Nandicoori VK, Gokhale RS. (2026) Novel routes for bioproduction of delta lactone aroma compounds. **Metab Eng**. 94:295-304. doi: 10.1016/j.ymben.2026.01.005.