

March 2026: NII Publications

1. Arun R, Kumbhakar S, Kaur T, Kaur S, **Sengupta S** .(2026) K63-linked ubiquitylation of RMI1 by RNF8 is essential to its recruitment to stalled forks. *Cell Mol Life Sci.*;83:153. doi: 10.1007/s00018-026-06156-7.
2. Khodlan P, Chakraborty R, Malik T, Singh MP, Rajbhar P, Kumar P, Kumar R, Mohan A, **Kumar A**. (2026) Towards identification of novel inhibitors of EGFR mutants through in-silico approach. *Cancer Treat Res Commun.* 47:101179. doi:10.1016/j.ctarc.2026.101179.
3. Khuntia AK, Dabla A, Kapoor Y, Chakraborty A, Arputharaj PE, **Nandicoori VK**.(2026) Modular toolkit to facilitate molecular manipulations in mycobacteria. *J Bacteriol.* :e0047425. doi: 10.1128/jb.00474-25
4. Mahtha SK, Venkadesan S, **Mohanty D**. 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. Sanyal P, Uppada J, Sinha S, Bhat Y, Khan S, Rajaram SV, Arokiyaraj EA, Jhingan GD, Agarwal N, Samal A, **Nandicoori VK**. (2026) Sec and Tat mediated secretion safeguards Mycobacterium tuberculosis membrane homeostasis. *Mol Cell Proteomics.* :101555. doi: 10.1016/j.mcpro.2026.101555.
6. Singh NK, Garg P, Kumari S, Banda L, Patel AM, Sindhuja RH, Bhandari Y, Khan NA, Tandon S, Jain R, Rajesh T, Qureshi A, Vodapalli A, Singha B, Esari D, Annan MO, Nagabandi T, Panda A, Kapley A, **Nandicoori VK**, Mishra RK, Sowpati DT, Siva AB, Tallapaka KB. Metagenomic profiling of antimicrobial resistance in wastewater from metropolitan cities of India. *Nat Commun.*. doi: 10.1038/s41467-026-70702-x.
7. 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. Epub 2026 Jan 14. PMID: 41544970.

Review

1. Asokan S, Choudekar A, Jagadeesan A, Sm R, Ali A, Napte SU, Selvam SA, Verma, Das P, Beniwal N, Radhamanalan G, Vijayan S, Rajeswary D, Jacob T. Molecular diagnostics in clinical microbiology: Advances, applications, and future directions. *Diagn Microbiol Infect Dis.* 2026 Mar;114(3):117223. doi: 10.1016/j.diagmicrobio.2025.117223. Epub 2025 Dec 10. PMID: 41406849.