

## Publications January 2024

1. Gupta L, **Verma S**, Goswami L, Kamboj H, Sen P, Bhattacharya AK, Vijayaraghavan P. (2024) Unveiling the Cell Wall-Targeting Mechanisms and Multifaceted Virulence Modulation by a Eugenol Glycoconjugate against *Aspergillus fumigatus*: Insights from in vitro and in ovo Studies. **J Appl Microbiol**. doi: 10.1093/jambio/lxae009.
2. **Kumar GS.\*** (2024) Preparation of Oxidized and Reduced PTP4A1 for Structural and Functional Studies. **Methods Mol Biol**. 2743:211-222 [\*Corresponding author]
3. Mukherjee T, Kumar N, Chawla M, Philpott DJ, **Basak S.\*** (2024) The NF- $\kappa$ B signalling system in the immunopathogenesis of inflammatory bowel disease. **Sci Signal**. 17:eadh1641. [\*Corresponding author]
4. Saurav S, Sharma P, **Kumar A,\*** Tabassum Z, Girdhar M, Mamidi N, Mohan A. (2024) Harnessing Natural Polymers for Nano-Scaffolds in Bone Tissue Engineering: A Comprehensive Overview of Bone Disease Treatment. **Curr Issues Mol Biol**. 46:585-611. [\*Corresponding author]
5. **Shukla S**, Murmu S, Mora T, Dhanasekaran K, Roy RP. (2024) Unravelling HDAC Selectivity for Erasing Acetyl Mark on Lys-5 of Histone H2B. **Chembiochem**. 22:e202300875.
6. Singha B, Murmu S, Nair T, **Rawat RS**, Sharma AK, Soni V. (2024) Metabolic Rewiring of *Mycobacterium tuberculosis* upon Drug Treatment and Antibiotics Resistance. **Metabolites** doi: 10.3390/metabo14010063. PMID: 38248866.
7. Worthmann A, Ridder J, Piel SYL, Evangelakos I, Musfeldt M, Voß H, O'Farrell M, Fischer AW, Adak S, **Sundd M**, Siffeti H, Haumann F, Kloth K, Bierhals T, Heine M, Pertzborn P, Pauly M, Scholz JJ, Kundu S, Fuh MM, Neu A, Tödter K, Hempel M, Knippschild U, Semenkovich CF, Schlüter H, Heeren J, Scheja L, Kubisch C, Schlein C. (2024) Fatty acid synthesis suppresses dietary polyunsaturated fatty acid use. **Nat Commun**. doi: 10.1038/s41467-023-44364-y.