

## Publications October 2023

1. Barnwal A, Gaur V, Sengupta A, Tyagi W, **Das S**, Bhattacharyya J. (2023) Tumor Antigen-Primed Dendritic Cell-Derived Exosome Synergizes with Colony Stimulating Factor-1 Receptor Inhibitor by Modulating the Tumor Microenvironment and Systemic Immunity. **ACS Biomater Sci Eng**. doi: 10.1021/acsbiomaterials.3c00469.
2. Erhunse N, Kumari S, Anmol, Singh P, Omoregie ES, **Singh AP**, Sharma U, Sahal D. (2023) *Annickia affinis* (Exell) Versteegh & Sosef methanol stem bark extract, potent fractions and isolated Berberine alkaloid target both blood and liver stages of malaria parasites. **J Ethnopharmacol**. 319:117269.
3. Keshavam CC, Naz S, Gupta A, Sanyal P, Kochar M, Gangwal A, Sangwan N, Kumar N, Tyagi E, Goel S, Singh NK, Sowpati DT, Khare G, Ganguli M, Raze D, Loch C, Basu-Modak S, Gupta M, **Nandicoori VK**,\* (2023) Singh Y. The heparin-binding haemagglutinin protein of *Mycobacterium tuberculosis* is a nucleoid-associated protein. **J Biol Chem**. doi: 10.1016/j.jbc.2023.105364. [\*Corresponding author]
4. Malakar B, Chauhan K, Sanyal P, Naz S, Kalam H, Vivek-Ananth RP, Singh LV, Samal A, Kumar D, **Nandicoori VK**,\* (2023) Phosphorylation of CFP10 modulates *Mycobacterium tuberculosis* virulence. **mBio**. doi: 10.1128/mbio.01232-23. [\*Corresponding author]
5. Sadarangani V, Kalia A, Kausar T, Murarka P, **Sau AK**,\* (2023) Effect of the Macromolecular Crowding Agents on the Structure and Function of Human Arginase-I, a Therapeutically Important Enzyme. **J Phys Chem B**. 127:8749-8761. [\*Corresponding author]
6. Srivastava R, Gupta SK, Naaz F, Sen Gupta PS, Yadav M, Singh VK, Panda SK, Biswal S, Rana MK, **Gupta SK**, Schols D, Singh RK. (2023) Exploring antiviral potency of N-1 substituted pyrimidines against HIV-1 and other DNA/RNA viruses: Design, synthesis, characterization, ADMET analysis, docking, molecular dynamics and biological activity. **Comput Biol Chem**. doi: 10.1016/j.compbiolchem.2023.107910.