**Publications:**

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| 1. Kumari, A., Shriwas, O., Sisodiya, S., Santra, M.K., Guchhait, S.K., Dash, R., &**Panda, D.**\* Microtubule-targeting agents impair kinesin 2-dependent nuclear transport of β-catenin: Evidence of inhibition of Wnt/β-catenin signaling as an important antitumor mechanism of microtubule-targeting agents. *The FASEB Journal***,** *2021***,** *35*, e21539. 2. Pradhan, A., Mishra, S., Surolia, A., **Panda, D.\***, C1 Inhibits Liquid−Liquid Phase Separation and Oligomerization of Tau and Protects Neuroblastoma Cells against Toxic Tau Oligomers. *ACS Chem. Neurosci, 2021*, 12, 1989-2002. 3. Mundhara, N., Majumder, A., and **Panda, D.\***, Hyperthermia induced disruption of mechanical balance leads to G1 arrest and senescence in cells. *Biochem J.,2021, 478*, 179-196. 4. Battaje, R. R., Bhondwe, P., Dhaked, H. P. S., and **Panda, D**.\*, Evidence of conformational switch in *Streptococcus pneumoniae* FtsZ during polymerization. *Protein Sci.2021,30,* 523-530. 5. Pradhan, A., Mishra, S., Basu, S.M., Surolia, A., Giri, J., Srivastava, R.\*, **Panda, D**.\*, Targeted nanoformulation of C1 inhibits the growth of KB spheroids and cancer stem cell-enriched MCF-7 mammospheres, *Colloids and Surfaces B: Biointerfaces, 2021,* 202, 111702. 6. Dhameliya, T. M., Patel, K. I., Tiwari, R., Vagolu, S. K., **Panda, D.,** Sriram, D., and Chakraborti, A. K. Design, Synthesis, and Biological Evaluation of Benzo [d] imidazole-2-carboxamides as New Anti-TB Agents. *Bioorg Chem.*, 2021, 107, 104538. 7. Mundhara, N., Yadav, S., Shirke, P. U., **Panda, D\*.,** and Majumder, A. Substrate loss modulus promotes the differentiation of SHSY-5Y neuroblastoma cells. *Materialia*, 2020, 15, 100968. 8. Liao, V. W. Y., Kumari, A., Narlawar, R., Vignarajan, S., Hibbs, D. E., and **Panda, D.**\*, & Groundwater, P. W. Tubulin-Binding 3, 5-Bis (styryl) pyrazoles as Lead Compounds for the Treatment of Castration-Resistant Prostate Cancer. *Mol. Pharmacol.,2020,97,* 409-422. 9. Poojari, R., Sawant, A. V., Kini, S., Srivastava, R., and **Panda, D.**\* Antihepatoma activity of multifunctional polymeric nanoparticles via inhibition of microtubules and tyrosine kinases. *Nanomedicine, 2020, 15,* 381-396. 10. Kunal, K., Tiwari, R., Dhaked, H. P., Surolia, A., and **Panda, D.**\* Mechanistic insight into the effect of BT‐benzo‐29 on the Z‐ring in Bacillus subtilis. *IUBMB life, 2020, 72,* 978-990. 11. Rashid, A., Naaz, A., Rai, A., Chatterji, B. P., and **Panda, D**.\* Inhibition of polo-like kinase 1 suppresses microtubule dynamics in MCF-7 cells. *Mol. Cell. Biochem.*, 2020, *465*, 27-36. 12. Rane, J. S., Kumari, A., and **Panda, D**.\* The acetyl mimicking mutation, K274Q in tau enhances the metal binding affinity of tau and reduces the ability of tau to protect DNA. *ACS Chem. Neuro, 2020,11,* 291-303*.* 13. Kumbhar, B. V., Bhandare, V. V., **Panda, D.**, and Kunwar, A. Delineating the interaction of combretastatin A-4 with αβ tubulin isotypes present in drug resistant human lung carcinoma using a molecular modeling approach. *J. Biomol. Struct. Dyn.*, *2020, 38,* 426-438. 14. Pradhan, A., Kumari, A., Srivastava, R., and **Panda, D.**\* Quercetin Encapsulated Biodegradable Plasmonic Nanoparticles for Photothermal Therapy of Hepatocellular Carcinoma Cells. *ACS Appl. Bio. Mater., 2019*, *2*, 5727-5738. 15. Kumari, A., Srivastava, S., Manne, R. K., Sisodiya, S., Santra, M. K., Guchhait, S. K., and **Panda, D.**\* C12, a combretastatin-A4 analog, exerts anticancer activity by targeting microtubules. *Biochem. Pharmacol*, 2019, *170*, 113663. 16. Mundhara, N., Majumder, A., and **Panda, D**.\* Methyl-β-cyclodextrin, an actin depolymerizer augments the antiproliferative potential of microtubule-targeting agents. *Sci. Rep, 2019, 9,* 7638. 17. 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**Book Chapters:**

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