

## List of Publications

1. **Anjali Patel**, Snjay Tiwari, Prafulla K. Jha. “Temperature dependent drug delivery and inspection of interaction and mechanical behavior of SWCNT encapsulated Paclitaxel” (Submitted).
2. **Anjali Patel**, Snjay Tiwari, Prafulla K. Jha. “Molecular interaction between bi-antennary phenylboronic acid and sialic acid using density functional theory and multi-time scale trajectories” Journal of biomolecular Structure & Dynamics (2019)
3. Hardik Kagdada, **Anjali Patel**, Prafulla K Jha. “ Structural, magnetic and electronic properties of ferrimagnetic and non-magnetic cubic phase of  $\text{MnV}_2\text{O}_4$ ” AIP Conference Proceedings (2019)
4. **Anjali Patel**, Snjay Tiwari, Prafulla K. Jha. “Density functional theory based probe of the affinity interaction of saccharide ligands with extra-cellular sialic acid residues” Journal of biomolecular Structure & Dynamics (2018).
5. Deepak upadhyay, **Anjali Patel**, Arun Pratap, Prafulla K. Jha. “Electronic properties and stability criteria of rhombohedral  $\text{HCoO}_2$ ” AIP Conference Proceedings (2018).
6. Anu Manhas, **Anjali Patel**, M Y Lone, Prafulla K Jha, P C Jha. “Identification of *Pf*ENR inhibitors: A hybrid structure-based approach in conjunction with molecular dynamics simulations” Journal of cellular biology (2018).

7. **Anjali Patel**, Basant Roondhe, Prafulla K. Jha “Ni doping effect on the electronic and sensing properties of 2D SnO<sub>2</sub>” AIP Conference Proceedings (2018).
8. Som, Narayan N. Venu Mankad. Shweta D. Dabhi. **Anjali Patel**, Prafulla K. Jha, "Magnetic behavior study of samarium nitride using density functional theory." Journal of Magnetism and Magnetic Materials (2017).