- 1. R.K. Ratnesh, M. Singh, V. Kumar, **S. Singh**, R. Chandra, M. Singh, J. Singh. (**2024**) Mango Leaves (Mangifera Indica) Derived Highly Florescent Green Graphene Quantum Dot Nanoprobes for Enhanced On-Off Dual Detection of Cholesterol and Fe2+ Ions based on Molecular Logic operation. *ACS Applied Bio Materials*, **7**, 4417-26. (Impact Factor: 4.6)
- 2. Kiran, A. Ranolia, Priyanka, I. Bala, J. Jangir, **S. Singh**, J. Sindhu, P. Kumar, D. Singh. (**2024**) Rationally designed dual channel reversible probe for cyanide recognition in aqueous medium with solid-state sensing abilities. *J. Photochemistry and Photobiology A: Chemistry*, 453, 115650. (Impact Factor: 4.1)
- 3. Priyanka, P. Rani, Kiran, R. Kataria, P. Kumar, D. Kumar, A. Duhan, **S. Singh**, J. Sindhu. (**2024**) Rationally designed C-3 sulfenylated 2-phenyl-4H-pyrido[1,2-a]pyrimidin-4-one based fluorescent probe for recognition of Fe3+. *J. Molecular Structure*, 137456. (Impact Factor: 4.0)
- 4. **S. Singh**, T. Goel, A. Singh, H. Chugh, N. Chakraborty, I. Roy, M. Tiwari, R. Chandra. (2024) Synthesis and Characterisation of Fe304@Si02@PDA@Ag core-shell Nanoparticles and biological application on Human Lung Cancer Cell Line and Antibacterial strains. *Artificial Cells, Nanomedicine and Biotechnology*, 52, 46-58. (Impact Factor: 4.5)
- 5. R. Aggarwal, N. Jain, G. Dubey, **S. Singh**, R. Chandra. (**2023**) Visible-Light Prompted Regioselective Synthesis of Novel 5-aroyl/hetaroyl-2',4-dimethyl-2,4'-bithiazoles as DNA and BSA Targeting Agents. Biomacromolecules, 24, 11, 4798–4818. (Impact Factor: 5.5)
- 6. M. Amaral, H. Asiki, C. E. Sear, **S. Singh**, P. Pieper, M. M. Haugland, E. A. Anderson and A. G. Tempone. (**2023**) Biological Activity and Structure–Activity Relationship of Dehydrodieugenol B Analogues against Visceral Leishmaniasis. *RSC Med. Chem.*, **14**, 1344-50. (Impact Factor: 4.1)
- 7. R. Aggarwal, M. Hooda, P. Kumar, S. Kumar, S. Singh, R. Chandra. (2023) An Expeditious On-Water Regioselective Synthesis of Arylidene-hydrazinyl-thiazoles as Novel DNA Targeting Agents. *Bioorganic Chemistry*, 106524. (Impact Factor: 4.5)
- 8. M. Fabrizio, M. Luisa, C. Enrica, P. Sara, E. Cini, **S. Singh**, P. Governa, S. Maramai, G. Giannini, B. Stecca, E. Petricci. (2022) Quinolines and oxazino-quinoline derivatives as small molecule GLI1 inhibitors identified by virtual screening. *ACS Med. Chem. Lett.*, *13*, 1329-1336. (Impact factor: 3.5)
- 9. Y. Gupta^a, N. Sharma^a, **S. Singh**, J.G. Romero, V. Rajendran, R. M. Mogire, M. Kashif, J. Beach, W. Jeske, P. Singh, B.R. Ogutu, S.M. Kanzok, H.M. Akala, J. Legac, P. Rosenthal, D.J. Rademacher, R.V. Durvasula, A.P. Singh, B. Rathi, P. Kempaiah. (2022) The multistage antimalarial compound Calxinin pertuberates P. falciparum Ca2+ homeostasis by targeting a unique ion channel. *Pharmaceutics* (aSharing First authors) (Impact factor: 4.9)
- 10. **S. Singh**^a, V. Singh^a, R.S. Hada^a, R. Jain^a, M. Vashistha^a, G. Kumari^a, N. Sharma^a, M. Bansal, Poonam, M. Zoltner, C.R. Caffrey, B. Rathi, S. Singh. (**2022**) Designing and development of phthalimides as potent anti-tubulin hybrid molecules against malaria, *Eur. J. Med. Chem.*, 239, 114534. (aSharing First authors) (Impact factor: 6)