

List of the Research Publications

- 1) Patel, S.S., Patel, H.S., Kunjadiya, A., Rao, V. and Sharma, R.K., **2022**. Synthesis, characterization and antimicrobial activity of poloxamer-assisted copper nanoparticles: Investigating the effects of different concentrations of poloxamer 407. *ChemistrySelect (Wiley)*, 7(31), p.e202201477. doi.org/10.1002/slct.202201477

- 2) Patel, S.S. and Sharma, R.K., **2023**. Facile fabrication of Pluronic-mediated copper nanoparticles using microwave techniques and their application as the photocatalysts for various organic dyes degradation. *Materials Today Communications (Elsevier)*, 37, p.106990. doi.org/10.1016/j.mtcomm.2023.106990

- 3) Patel, S.S. and Sharma, R.K., **2024**. Development of Pluronic-assisted silica nanoparticles from peanut shell and their modification with chitosan as an eco-friendly hybrid biosorbent for improved gas adsorption and organic dye removal applications. *New Journal of Chemistry (RSC)*, Under revision.