

List of Publications

Under the Thesis work

- ❖ **Patel H.S.**, Shaikh S.J., Ray D., Aswal V.K., Vaidya F., Pathak C., and Sharma R.K., Formulation, Solubilization, and *In Vitro* Characterization of Quercetin-incorporated Mixed Micelles of PEO-PPO-PEO Block Copolymers. **Applied Biochemistry and Biotechnology**. 2022; 194:445-63. doi.org/10.1007/s12010-021-03691-w
- ❖ **Patel H.S.**, Shaikh S.J., Ray D., Aswal V.K., Vaidya F., Pathak C., Varade D., Rahdar A., and Sharma R.K., Structural Transitions in Mixed Phosphatidylcholine/Pluronic Micellar Systems and Their *In Vitro* Therapeutic Evaluation for Poorly Water-soluble Drug. **Journal of Molecular liquid**. 2022; 364: 120003. doi.org/10.1016/j.molliq.2022.120003
- ❖ **Patel H.S.**, Kunjadiya A., Rahdar A., and Sharma R.K., Pluronic-Phosphatidylcholine Mixed Polymeric Nanomicellar Formulation for Curcumin Drug Bioavailability: Design, Fabrication, Characterization and *In-Vitro* Bioinvestigations. **Journal of Bioactive and Compatible Polymers** ([Accepted December-2022](#))
- ❖ **Patel H.S.**, Patel S.S, Ray D., Aswal V.K., Vyas B.A., and Sharma R.K., Stearic acid-conjugated Pluronic F127:TPGS based mixed micelles as nanovehicles for Glipizide drug: Design, fabrication, characterization, and *in-vitro/vivo* biological evaluations. **Journal of Pharmaceutical Sciences** ([Communicated](#))

Other than the Thesis work

- ❖ Shaikh S.J., **Patel H.S.**, Ray D., Aswal V.K., and Sharma R.K., Mixed Poloxamer Nanomicelles for the Anticonvulsant Lamotrigine Drug: Solubility, Micellar Characterization, and *In-Vitro* Release Studies. **Journal of Nanoscience and Nanotechnology**. 2021; 21:5723-35. doi.org/10.1166/jnn.2021.19490

List of Publications

- ❖ Shaikh S.J., **Patel H.S.**, Ray D., Aswal V.K., Singh S., Vijayvargia R., Sheth U., and Sharma R.K., Enhanced Solubility and Oral Bioavailability of Hydrophobic Drugs Using Pluronic Nanomicelles: An *In-Vitro* Evaluation. **Chemistry Select.** **2021**; 6:7040-7048. doi.org/10.1002/slct.202102123
- ❖ Patel S.S., **Patel H.S.**, Kunjadiya A., Rao V., and Sharma R.K., Synthesis, Characterization and Antimicrobial Activity of Poloxamer-Assisted Copper Nanoparticles: Investigating the Effects of Different Concentrations of Ploxamer 407. **Chemistry Select.** **2022**; e20221477: 1-9. doi.org/10.1002/slct.202201477

List of the Chapter in the Book

- 1) Shaikh S.J., **Patel H.S.**, and Sharma R.K., Self-assembly of PEO-PPO-PEO Block Copolymers: Advanced Nanosystems for Drug Delivery Applications. *Advances in Nanotechnology*, **NOVA Science Publishers**, USA. Ch. No. 5 (**2020**) pp. 175-204. [ISBN: 978-1-53618-460-0](https://doi.org/10.1515/nanotech-2020-0000)