

List of publications:

- 1 Hosseini-Zare, M., **Thilagavathi, R.**, Selvam, C., Targeting severe acute respiratory syndrome-coronavirus (SARS-CoV-1) with structurally diverse inhibitors: a comprehensive review, *RSC Adv.*, **2020**, *10*, 28287-28299. (Scopus indexed, impact factor: 3.12)
2. Selvam, C., Mock, C. D., Mathew, O. P. Ranganna, K. **Thilagavathi, R.** Discovery of Vascular Endothelial Growth Factor Receptor-2 (VEGFR-2) inhibitors by Ligand-based Virtual High Throughput Screening. *Molecular Informatics.*, 2020, Article in press. (Scopus indexed, impact factor: 2.37)
3. Selvam, C., Lakshmana Prabu, S, Jordan, B. C., Purushothaman, Y., Umamaheswari, A. Zare, M.H.S, **Thilagavathi, R.** Molecular mechanisms of curcumin and its analogs in colon cancer prevention and treatment. *Life Sciences***2019**, *239*, 117032. (Scopus indexed, impact factor: 3.4)
4. Ranganna, K., Mathew, O. P., Milton, S., **Thilagavathi, R.**, Selvam, C. Identification of Novel Scaffold for PIM1 Kinase Inhibition by Ligand Based Virtual Screening, *The FASEB Journal.*, **2018**, *32*, 1_supplement, 1b100-1b100. (Scopus indexed, impact factor: 5.59)
5. Jordan, B. C. Kumar, B. **Thilagavathi, R.** Yadhav, A. Kumar, P. Selvam, C. Synthesis, evaluation of cytotoxic properties of promising curcumin analogues and investigation of possible molecular mechanisms. *Chemical Biol Drug Des.* **2018**, *91*, 332-337. (Scopus indexed, impact factor: 2.396).
6. Selvam, C., Mutisya, D., Prakash, S., Ranganna, K., **Thilagavathi, R.** Therapeutic potential of chemically modified siRNA: Recent trends, *Chemical Biol & Drug Design*, **2017**, *90*, 665-678 (Scopus indexed, impact factor: 2.396)
7. Selvam, C., Jordan, B.C., Prakash, S., Mutisya, D., **Thilagavathi, R.** Pterocarpan scaffold: A natural lead molecule with diverse pharmacological properties, *European Journal of Medicinal Chemistry*, **2017**, *128*, 219-236. (Scopus indexed, impact factor: 4.5)
8. Jordan, B. C, Mock, C. D., **Thilagavathi, R.**, Selvam, C. Molecular Mechanisms of Curcumin and Its Semisynthetic Analogues. *Life Sciences*, **2016**, *152*, 135-144. (Scopus indexed, impact factor: 2.685)
9. Selvam C, **Thilagavathi R.**, Narasimhan B, Kumar P, Jordan BC, Ranganna K. Computer-aided Design of Novel Allosteric modulators of metabotropic glutamate receptor 5 (mGluR5): Comparative Molecular Field Analysis of aryl ether derivatives, *Bioorg Med Chem Lett.* **2016**, *26*, 1140-1144. (Scopus indexed, impact factor: 2.486).
10. **Thilagavathi, R.**, Selvam, C. Performance Evaluation of structure based and ligand based virtual screening methods on ten selected anticancer targets. *Bioorg. Med. Chem. Lett.* **2015**, *25*, 4632-4636. (Scopus indexed, impact factor: 2.486).