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Educational Qualification: M. Pharm. – (Pharmacology)

Year of Registration : 01-07-2020.

Project Supervisors : Dr. R.Kalirajan. M.pharm, Ph D.
Assistant professor, Department Of Pharmaceutical Chemistry,
JSS college of Pharmacy – Ooty.

Research Abstract: Corona virus Disease 2019 (COVID-19), a life-threatening disease which was affected first in the china and quickly spread throughout the world. In India more than 8.96 million peoples (More than 706300 in Tamilnadu) affected by COVID19, out of these more than 132000 peoples are died (More than 11531 in Tamilnadu). Perform Molecular docking studies (Glide module) against various SARS CoV-2 targets like Main protease, spike protein, RdRp, ACE-II etc. Using drug design software Schrodinger suit ADMET investigations using Qikprop module, binding free energy calculation by MM-GB/SA, Pharmacophore and 3D-QSAR development and Induced fit docking and molecular dynamics simulation studies (Desmond) of significantly active molecules with high Glide scores. The lead compound can be purchase (if available) / Synthesis / Isolate. The selected molecules against SARS –CoV -2 by using various corona viruses deducting kit.

Fellowships: No

Awards & Scholarships (Top 5 of your achievements in short bullet points):

- I got GPAT – 2020 - (NTA Score – 79.34)

Way Forward:

I want to see myself as a scientist in my respective field and so that I can share my research benefits to the society.