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Educational Qualification: M. Pharm

Year of Registration: 2019

Project Supervisors: Dr. B. Gowramma, M.Pharm., Ph.D.

Research Abstract:

Over the years, the development of targeted medicines has made significant achievements in cancer treatment. Poly (ADP ribose) polymerase 1 (PARP1) inhibitors have become important chemotherapy drugs for a variety of cancers. However, these agents have their own side effects. In order to overcome these limitations, our group has been focusing on the development of targeted antitumor agents and some inhibitors with good anticancer activity with less or null side effects. We are doing a novel approach to target PARP1 enzyme for developing a novel class of lead compounds. If we succeed in this idea then it will be apparent therapeutic approach with targets to treat cancer as well as by minimizing the side effect as much as possible. We are in positive hope to deliver more potent anticancer agents with lesser side effects. Our main aim for this research is PARP1 enzyme inhibition in single drug regimen for cancer therapeutics and with less adverse effects related to complex pharmacokinetics, unpredictable drug-drug interaction and formulation problems.

Fellowships: No

Awards & Scholarships:

- Qualified **TS-PGECET** exam with 832 rank in the year 2015
- Qualified **GPAT** exam in the year 2017.
- Worked as Junior research fellow (JRF) in Central University of Rajasthan (CURAJ).

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.