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4.	Area of Technology (e.g. materials, health care, etc.): Health and Disease
5.	Web link, if any:
6.	Description in 500 words: Research experience gained from home and abroad has allowed me to work on protective role of nutraceuticals in infectious and non-infectious diseases include malaria, anaplasmosis and breast cancer research. Currently, we are working on the three different projects involving nutraceuticals of therapeutic importance against infectious agents and lifestyle diseases and cosmeceuticals. The projects are extramurally funded. Presently, we are engaged in investigating on biodegradable nanoparticles recruited for targeted delivery of antimalarials and anticancerous agents of pharmaceutical and nutraceuticals origin, and their toxicity related aspects. We are basically interested in knowing the pathways of cellular uptake of nanoparticles, their intracellular trafficking and sorting mechanisms in different cellular compartments.
7.	Keywords: peptide-antibiotics, nutraceuticals, chemoceuticals, biodegradable nanoparticles, drug delivery, drug targeting, therapeutic efficacy.