

STATEMENT

I hereby confirm that that the research work under reference namely ***Nanoparticle Shape A New Design Parameter for Splenic Targetting*** has not been given any award till date.

The other contributors to this study and their role in the study:

Dr. Abdul Samad – Retired Director, Maharashtra Animal and Fishery Science University (MAFSU). Dr. Samad supported by providing all the required facilities for the gamma scintigraphic studies. He also proposed that we should look at different spleen targetting in different animal models and actively supported in the same. This study helped us to actually visualise live, spleen accumulation in dog model.

Dr. R.V. Gaikwad- Dr. Gaikwad helped students to carry out the radiolabelling and scintigraphic evaluation. He also helped with the animal ethics committee approval.

Dr. Rajesh Patil – He worked on this project as part of his PhD (Tech) degree under my supervision. It was during his studies that we elucidated that some nanoparticles were exhibiting splenic targetting following gamma scintigraphic studies in the rat model. At that point we did not have an explanation.

Dr. Anil Jindal- He worked on this project as part of his PhD (Tech) degree under my supervision. He took forward the unexplained study on splenic targetting to carry out further studies to explain the science. We then carried out studies in various other animal models namely mice, rabbit and dog and could scientifically explain shape related spleen targetting. Dr. Anil also worked on understanding why some of the nanoparticles had an irregular shape and others were spherical. This study also culminated in a good publication.

Ms. Fernaz Mulla- She was a Master in Vet Science student under Dr. Samad. She carried out the scintigraphic studies in the other animals namely mice, rabbit and dog as part of her masters project. The focus of her study was scintigraphy.



Prof. Padma V. Devarajan