



Dr. Kapila Kumar

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Experience : 2.5 years

Specialization : Infectious Diseases, Therapeutics and Functional Genomics

I joined Department of Biotechnology, FET, MRIIRS as an Assistant Professor in 2015. My research areas focus on infectious diseases, Therapeutics and functional Genomics. Before joining MRIIRS, I completed my Ph.D. in 2013 under the guidance of Dr. Sanjay Gupta from JIIT, Noida. I have worked on DBT and DST funded research projects in collaboration with Delhi University with focus on the interaction studies for Chandipura and Chikungunya viruses as is evident from my publications in the area. I have International and national publications in high impact journals. I did my post-graduation in specialized field of Human Genomics from Panjab University, Chandigarh from and graduation in Genetics from Kurukshetra University. I was University second Rank holder both at UG and PG levels. I have qualified National Eligibility (NET) test conducted by CSIR.

My research interests are to better understand the virus-host protein interactions, identify host proteins or pathways required by some emerging

and reemerging viruses. Some proteomic approaches with molecular virology, genomic, and bioinformatics based approaches can be combined to achieve these goals. Some high-throughput proteomic technologies for screening and mapping virus-host interactomes and for screening small molecule libraries for inhibitors of protein-protein interactions can be applied in the continuous process of exploring newer antiviral approaches.