

At present, I am honored as a *Young Associate of the Indian Science Congress* and hold the role of Research Assistant Professor at SRM University Kattankulathur, Chennai, where my commitment to advancing the field remains unwavering.

I am a passionate researcher in the field of Amyloid Biology, Neurodegeneration, and Drug Delivery, believing that the most profound impact can be achieved through fundamental and translational research. My academic journey commenced with a B-Tech and M-Tech in Biotechnology from Anna University, which laid the foundation for my pursuit of a Ph.D. at the esteemed Indian Institute of Technology Jodhpur.

My path has been defined by unwavering dedication and enduring enthusiasm, through my profound research experiences as a postdoctoral fellow. I had the privilege of joining the Department of Medicine at the University of Alberta, where I collaborated with some of the brightest minds in my field.

Albert Einstein's famous words, "I have no special talent, I am only passionately curious," deeply resonate with my journey. They have sparked an ever-quenchable desire within me, not only to excel as a distinguished scientist but also to become a guiding mentor in the captivating field of bioengineering. My relentless curiosity serves as the driving force behind my exploration of the fundamental biomolecular mechanisms that underlie diseases such as Alzheimer's, Parkinson's, Type 2 diabetes, and metabolic disorders. Moreover, I am committed to crafting therapeutic strategies to combat these conditions. Additionally, my research places a strong emphasis on unraveling the enigmatic role of molecular self-assembly to engineer innovative smart materials.

I aim to make a significant contribution to the field of biomedical research, paving the way for novel insights and discoveries. As I continue on this scientific journey, my commitment remains resolute in pushing the boundaries of knowledge and inspiring the next generation of scientists. I fervently hope that my work catalyzes further innovations, embarking on a journey that leads to unprecedented discoveries and advancements, ultimately benefiting generations to come.