

A. Wilson Aruni. Ph.D., FAMPV.

Pro-Vice Chancellor (Allied Health Sciences)
Sathyabama Institute of Science and Technology
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On Sabbatical from

Professor, Department of Microbiology, Infectious Diseases and Global Health,
California University of Science and Medicine, CA, USA

Principal Scientist, US Department of Veterans Affairs, Loma Linda, CA, USA

Adjunct Professor, Stem cell core facility, University of California, Riverside, USA

Dr. Wilson has taken up the position of Pro-Vice Chancellor, Sathyabama Institute of Science and Technology, Chennai on sabbatical leave from **Professor**, Department of Microbiology, Infectious Diseases and Global Health, California University of Science and Medicine, Loma Linda, USA, **Principal Scientist**, US Department of Veterans Affairs, Loma Linda, CA, USA, **Adjunct Professor**, Stem cell core facility, University of California, Riverside, USA.

He has served in various academic and administrative positions especially in the university academic affairs, curriculum revision and accreditations in the United States of America. He has been involved in active teaching and research for a period of 24 years. Previously, he was working as Professor, at the Center for Excellence in Animal Biotechnology and Immunology, and also at the Department of Microbiology, Madras Veterinary College, Tamil Nadu Veterinary and Animal Sciences University (TANUVAS) Chennai. During his tenure he had occupied various academic capacities as Head - University Bioinformatics Center and advanced imaging facility.

As an experienced academician with vast international exposure, he is also a well trained researcher in the field of Microbiology and Biotechnology, his research focuses on studying infectious pathogens, their virulence and their importance in systemic diseases. His expertise in the field of Bioinformatics and nanovaccine delivery systems is well acknowledged. He received his DVM degree from India. And his doctoral studies focused on studying the virulence of orbiviruses, and work performed in studying their molecular morphogenesis at the *All India Institute of Medical Sciences, India*. His postdoctoral training at the *University of California, Davis* brought about seminal publications (USDA & BBSRC-UK). His pioneering works also culminated in two patents. One of his other pioneering work through Postdoctoral fellowship at the Laboratory of Gene structure and Expression, *National Cancer Center of Singapore* studied the haplotype variations on the enterocytes and hepatic expression of P-glycoproteins. He is also trained through an NIH-post doctoral research fellowship exploring the molecular aspects of human microbiome interactions. His research work at the Loma Linda University, School of Medicine is on studying the virulence determinants and host-pathogen interactions of oral pathogens and their causal role in systemic diseases through an integrated proteomics approach. His studies were the first to explore a new oral pathogen *Filifactor alocis* and its virulence potential. His publications have been featured in the cover page of prestigious journals – *Nature communications, Infection and Immunity, Proteomics* and in other peer reviewed journals of high impact factors.

He has been invited internationally to present his professional work and currently serving as adjunct faculty in many Institutions abroad. In addition to his research initiatives he has completed 4 extramural grants funded by the DBT, DST, and ICMR (India) and currently funded with 2 grants from the National Institutes of Health (NIH) as principal investigator. His research work has culminated in 88 publications, 3 books and 5 book chapters, He has a strong record of mentoring more than 21 graduate and 8 doctoral students in India and in the United States. His students have been well placed in reputed academic and research institutions internationally and nationally. He is currently serving on editorial boards of high impact peer reviewed journals in the field of Medical Microbiology, Biotechnology and Bioinformatics. He has served/ serving as member of task forces in DBT and DST. He is also currently serving as a member of National Institutes of Health(NIH)-Grant review study sections (Task forces), serving as a member of the grant review panel on “Vaccine research Initiative grants -Bill

and Melinda Gates foundation” and a current grant review panel member of Medical Research Council (MRC) and BBSRC, UK.