

THIRUMURTHY VELPANDIAN

PROFESSOR AND IN-CHARGE



OCULAR PHARMACOLOGY &
PHARMACY

GET IN TOUCH



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WORK EXPERIENCE

He has completed graduation in Pharmaceutical Sciences from Tamil Nadu Dr.MGR Medical University with a Distinction in Pharmacology. He pursued his post graduation in Drug Assay in Pharmacology and subsequently pursued PhD from All India Institute of Medical Sciences (AIIMS), New Delhi. He was awarded PhD in 1999 for his studies on liposome drug delivery to eye and its corneal interactions in which he has done a part of his study from the Institut für Anatomie und Zellbiologie - Universität Würzburg, Germany. After serving as a Senior Demonstrator and DST Young Scientist Project investigator at AIIMS in the Department of Pharmacology, he has joined as Assistant Professor of Ocular Pharmacology at Dr.RPCentre for Ophthalmic Sciences of AIIMS in 2003 at present he is the Professor and In-Charge of Ocular Pharmacology and Pharmacy Division.

He has been working on ocular pharmacokinetics with the special reference to the contribution of xenobiotic transporters in blood ocular barriers. He has been involved in developing animal models, drugs, their formulations and their delivery systems for ocular angiogenesis, infections, cataract and dry eye. His laboratory is also involved in studying ocular toxicity drugs, tear lipidomics, pharmacogenomics and ocular QSPR studies using molecular dynamics. His team was involved in addressing several environmental issues contributing towards ocular toxicity of chemical agents.

So far his research has been funded by extramural projects from DST, DBT, ICMR, MHFW, DRDO, AIIMS (intramural), Pharmaceutical companies in India and agencies from abroad. His laboratory has received Level I grant under DST-FIST program for High Precision Bioanalytical Facility (HPBAF) with tandem mass spectroscopy (LC-MS/MS).

He has had the honour of being invited to serve at various places in diverse capacities of speaker, moderator, Session Chairman, Academic Committee member, Technical expert, as well as examiner in Biological and Pharmaceutical sciences. He has also been included as advisor and member in various committees of Govt. of India for making decision in drug & research related affairs time to time.