



Dr. PANDAREESH M.D. *M.Sc., PGDND., Ph.D.*

OSD to Hon'ble Pro Vice Chancellor, Co-ordinator (Research), Assistant Professor, Department of Biochemistry, School of Natural Sciences, Adichunchanagiri University

Dr. M.D. Pandareesh, obtained Ph.D. in Biochemistry from the Defence Food Research Laboratory (DFRL), Mysore. Soon after completion of his Ph.D. Dr. Pandareesh started working as a Post-Doctoral Fellow at National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore. Later in 2016, he joined New York State Institute for Basic Research in Developmental Disabilities on Staten Island, New York as Post-Doctoral Fellow. Dr. Pandareesh research is mainly focused on cognitive-enhancing and neuroprotective role of bioactive molecules against various impairments induced by reactive oxygen and nitrogen species both *in vitro* (cell lines), *in vivo* (animals including mouse, rat, rabbit and *Drosophila*) experimental models. Currently his area of research focuses on characterization, pharmacokinetics, and pharmacodynamics of bio-conjugated pro-drugs derived from natural compounds to treat Alzheimer's and Parkinson's diseases, to understand the cellular and behavioural correlates of synaptic plasticity in different parts of the brain with implications for stress and developmental disorders, expression of receptor and signalling pathway at the molecular level. Besides, his studies also focus on understanding mitochondrial aberrations, epigenetic modifications and post-translational modifications in traumatic brain injury and other neuronal disorders. Dr. Pandareesh have published 20 research articles (in 12 articles as lead author) with *h*-index of 11, and five more articles are in pipeline in collaboration with various Universities/Institutes (National and International). Dr. Pandareesh have trained more than 20 trainees for mammalian cell culture, analytical and molecular biology techniques. Two candidates who got trained under his guidance are in Louisiana State University, USA as Post-Doctoral Fellow and 2 more students are carrying out Ph.D. research work in Illinois State University, USA and Douglas Mental Health University Institute, McGill University, Canada. Dr. Pandareesh have an expertise in *Drosophila* culturing, animal handling including wild-type and transgenic model. Presently, he is serving as OSD to Hon'ble Pro Vice Chancellor, Co-ordinator (Research), Assistant Professor and BOS member of Department of Biochemistry and a member for faculty of Natural sciences at Adichunchanagiri University.

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