

**Area of Research Expertise with Projects conducted: Microbial enzymes and Insilco analysis of human genetic disorders**

**Awards & Recognitions of faculty**

- Best poster award in the workshop on “Recent Advances in Proteomics” held at National Institute of Ocean Technology, Chennai, India on 21<sup>st</sup> December, 2011.
- Received Ten year’s service award at Sri Ramachandra University on 19.20.2013
- Received research publication award (11<sup>th</sup> Place) during Sri Ramachandra University day celebration on 19-10-2015.
- Received research publication award (22<sup>nd</sup> Place) during Sri Ramachandra University day celebration on 19-10-2015

**.List of Publications**

1. Kumar DT, Doss CGP, Sneha P, Tayubi IA, Siva R, Chakraborty C, Magesh R. Influence of V54M mutation in giant muscle protein titin: a computational screening and molecular dynamics approach. *J Biomol Struct Dyn* 2016; 3:1-12. doi:10.1080/07391102.2016.1166456
2. Magesh R, Doss CGP. Computational identification of pathogenic associated nsSNPs and its structural impact in UROD gene -A molecular dynamics approach. *Cell Biochem Biophys* 2014; doi: 10.1007/S12013-014-9975-7.
3. Magesh R, Doss CGP. Computational Pipeline to identify and characterize functional mutations in Ornithine transcarbamylase deficiency. *3 Biotech* 2014; 4:621-34. doi: 10.1007/s13205-014-0216-y.
4. Doss CGP, Rajith B, Chakraborty C, Balaji V, Magesh R, Gowthami B, Menon S, et al. In silico profiling and structural insights of missense mutations in RET protein kinase domain by molecular dynamics and docking approach. *Mol BioSyst* 2014; 10: 421-36. doi: 10.1039/c3mb70427k.
5. Doss CGP, Rajith B, Magesh R, Kumar AA. Influence of the SNPs on the structural stability and misfolding of CBS protein: Insight from molecular dynamics simulations. *Front Biol* 2014; 9: 504–18. doi: 10.1007/s11515-014-1320-4.