

List of Publications:

1. Relevance of Machine Learning Approach in Analysing Metabolomic Data to gain insights on Comorbidity issues in COPD & Asthma PK Ragunath, P Pavithra, P A Abhinand, Mahalakshmi Vijayaraj, Deepa Menon K and P Venkatesan Doi: 10.4172/2153-0769.S1.028
2. Sugumar R, Adithavarman AP, Dakshinamoorthi A, David DC, **Ragunath PK**. Virtual Screening of Phytochemicals to Novel Target (HAT) Rtt109 in *Pneumocystis Jirovecii* using Bioinformatics Tools. *J Clin Diagn Res.* 2016 Mar; 10(3):FC05-8. PMID: 27134887
3. Insights on the structural perturbations in human MTHFR Ala222Val mutant by protein modeling and molecular dynamics.
PA Abhinand, Faraz Shaikh, Soumendranath Bhakat, Ashish Radadiya, LVKS Bhaskar, Anamik Shah, **PK Ragunath**
Journal of Biomolecular Structure and Dynamics- Volume 34, 2016 - Issue 4
4. **Ragunath PK**, Reddy BV, Abhinand PA, Ahmed SS. Relevance of systems biological approach in the differential diagnosis of invasive lobular carcinoma & invasive ductal carcinoma. *Bioinformation.* 2012; 8(8):359-364. PMID: [22570516](#) [IF: 0.600]
5. Shaikh F, Abhinand PA, **Ragunath PK**. Identification & Characterization of *lactobacillus salavarius* bacteriocins and its relevance in cancer therapeutics. *Bioinformation.* 2012; 8(13):589-94. PMID: [22829737](#) [IF: 0.600]
6. **Ragunath P**, Chitra R, Mohammad S, Abhinand P. A systems biological study on the comorbidity of autism spectrum disorders and bipolar disorder. *Bioinformation.* 2011; 7(3):102-6. PMID: [22125377](#) [IF: 0.600]
7. Hemamalini G, **Ragunath PK**, Anusha D, Shaikh F. Relevance of Gene signatures in Differential Diagnosis of Mantle Cell & B Cell Chronic Lymphocytic Lymphoma. *SRM Uni J Dental Sci.* 2010 Oct; 1(3).
8. **Ragunath PK**, Krishnamuthy A, Sindhuja, Anusha D, Sudarshanam D. Computational Model of Synthetic Construct of Monellin-A Chain. *J Comput Int Bioinform.* 2010 Jan; 3(1): 111-5.
9. **Ragunath PK**, Velmourougan S, Davachelvan P, Kayalvizhi S, Ravimohan R. Evolving a new model (SDLC Model-2010) for software development life cycle (SDLC). *Int J Comp Sci Net Security.* 2010 Jan;10(1):112-9.
10. **Ragunath PK.,** Sindhuja G,. Unique gene expression patterns in hematopoietic stem cells from various sources. *Int J Hum Genet.* 2011; 11(1):15-21.

11. **Ragunath PK**, Venkatesan P, Ravimohan R. New Curriculum Design Model for Bioinformatics Postgraduate program using Systems Biology Approach. *J Comput Sci Syst Biol.* 2009 Dec; 2(6):300-305.
12. Padmini R, **Ragunath PK**, Karthika S. Insilico immuno-proteomics study on Systemic Lupus Erythematosus. *Ind. J Allergy Asthma Immuno.* 2006; 20(1): 9-27.
13. Viswanathan P, **Raghunathan K**, Majhi U, Pandit RV, Shantha G, Rajkumar T. Emperipolesis: an electron microscopic characteristic in rdd (rosai-dorfman disease): a case report. *Ind J Med Paediatric Oncology.* 1997 Mar 1; 18(1):14-6.
14. Arumugam N, Thanisslass J, **Ragunath K**, Devaraj SN, Devaraj H. Acrolein-induced toxicity—defective mitochondrial function as a possible mechanism. *Arch Environ Contam Toxicol* 1999 May; 36(4):373-6.
15. Bhooma T, **Ragunath PK** , Devaraj H, Devaraj SN. Changes in erythrocyte membrane during hematogenous spread of cancer. *J Health Sci.* 1990; 15:23-26.

BOOKS :

1. Applied Bioinformatics . PK.Ragunath, G.Sinduja (Lambert, Germany) – 2012
(ISBN – 978-3-659—11006-1)
2. Systems Biology – PK.Ragunath, R.Chitra. PA.Abinand (Lambert , Germany) – 2012
(ISBN : 978-3-659-12785-4)

