

1. Divakar K., Sujatha V., Barath S., Srinath K., and **Pennathur Gautam**. In-Gel staining of proteins in native Poly Acryl Amide Gel Electrophoresis using Tetrakis (4-Sulfonato Phenyl) Porphyrin (TPPS). *Anal Sci.* Vol. 27, 101-103, (2011).
2. Velu N., Divakar K., Nandhini Devi G., and **Pennathur Gautam**. Lipase from *Aeromonas caviae* AU04: Isolation, purification and protein aggregation. *Biocatalysis and Agriculture Biotechnology*, *Biocatalysis and agricultural biotechnology* Vol, 1, 45-50 (2012)
3. Vinatha Krishna, Vinod Kumar K.S., Sharmila Anishetty, **Gautam P** (2009). Investigation on Domain Movements of N-Acetyltransferases in Nanoscale. *Journal of Nanoscience & Nanotechnology* **9**: 5493.
4. Effects of post-induction feed strategies on secretory production of recombinant streptokinase in *Escherichia coli* Subramanian Ramalingama, Pennathur Gautama, Krishna Jyoti Mukherjee b, Guhan Jayaraman c,\* *Biochemical Engineering Journal* 33 (2007) 34–41
5. In silico identification of putative metal binding motifs Richard Thilakaraj, Krishnan Raghunathan, Sharmila Anishetty\*, Gautam Pennathur\* *Bioinformatics Advance Access published December 5, 2006*
6. A Sensitive Assay for Lipase using Tetra Sulfonatophenyl Porphyrin. K.S. Vinod Kumar, Bharathi Ramasubhan, B.S. Lakshmi and Pennathur Gautam, *Analytical Biochemistry* 356, 294, 2006.
7. Understanding mutations and protein stability through tripeptides. Sharmila Anishetty, Ramesh Anishetty and Gautam Pennathur, *FEBS Letters* 580, 2071 , 2006.

8. Role of Hydrophobic Interactions and Salt–Bridges in Hairpin Folding. Aswin Sai Narain Seshasayee, Krishnan Raghunathan, Karthikeyan Sivaraman, Gautam Pennathur, J. Mol. Mod. 12,197,2006
9. Potential Drug Targets in Mycobacterium tuberculosis through Metabolic Pathway Analysis. Sharmila Anishetty , Mridula Pulani , Pennathur Gautam Computational Biology and Chemistry 29, 368 , 2005.
10. Evidence of a Double-Lid Movement in Pseudomonas aeruginosa Lipase: Insights from Molecular Dynamics Simulations. Subbulakshmi Latha Cherukuvada, Aswin Sai Narain Seshasayee, Krishnan Raghunathan, Sharmila Anishetty, Gautam Pennathur PLoS Computational Biology 1, e28, 2005.
11. Promoter Addresses: Revelations from Oligonucleotide Profiling Applied to the Escherichia coli genome. Karthikeyan Sivaraman, Aswin Sai Narain Seshasayee, Krishnakumar Swaminathan, Geetha Muthukumaran, Gautam Pennathur Theoretical Biology and Medical Modelling 2, 20 2005.
12. Functionally Specified Protein Signatures for Individual Blue Copper Proteins and for a Combination of Blue and Green and Blue and Purple Copper Proteins. Anuradha V., Sharmila A and Gautam P. BMC Bioinformatics 5, 127 2004.
13. A Novel Medium for the Enhanced Growth and Production of Prodigiosin from Serratia marsescens Isolated from Soil. Anuradha Giri., Nandini Anand Geetha Muthukumaran and Gautam Pennathur BMC Microbiology 4 , 11 2004 .
14. Insights from Molecular Dynamics Simulation into pH Dependent Enantio-Selective Hydrolysis of Esters by Candida rugosa Lipase. Jayasunder J James,

Baddireddy S Lakshmi, Venkateshamoorthy Raviprasad, Madhuranthagam J Ananth, Pandjassarame Kanguane, Pennathur Gautam. Protein Engineering 16, 1017 2003.

15. Tripeptide Analysis of Protein Structures. Sharmila Anishetty; Pennathur Gautam , Ramesh Anishetty BMC Structural Biology ,Vol.2, Page. 9, (2002).

16. A Study on the Effect of Hydrophobicity on the Interfacial Activation of *Candida rugosa* Lipase. Lakshmi, B. S; Madhavi, K; Kanguanne, P; Mukut, S; Gautam, P J. Biochemistry Mol. Biol & Biophyscis, 4, 293, 2000.

17. Molecular Basis for the Stereospecificity of *Candida rugosa* Lipase (CRL) towards Ibuprofen. Lakshmi, B. S; Kanguanne, P; Guo, Y.; Chen, . Z.; Gautam, P. Biocatalysts and Biotransformations, 17, 475, 2000.

18. Effect of Vegetable Oils in the Secretion of Lipase from *Candida rugosa* (DSM 2031). Lakshmi, B. S; Kanguanne, P; Abraham, B.; Pennathur, G Lett. Appl. Microbiol., 29, 66 1999.

19. A Low Cost RS-232C based Computer Interface. Senthil Kumar, K.; Laskhmi, B. S.; Gautam, P. Journal of Automatic Chemistry, 20, 189 1998.