

1. Shilpa K., Sangeetha K.N., Muthusamy V.S., Sujatha S., Lakshmi B.S (2009). Probing key targets in insulin signaling and adipogenesis using methanolic extract of *Costus pictus* and its bioactive molecule methyl tetracosanoate. *Biotechnology Letters* 31:1837-1841.
2. Selvakumar C., Subramanian K., Vinaykumar K.S., Nabajyoti Goswami, Meenakshisundaram S., Arun Balakrishnan, Lakshmi B.S (2009). Tackling multiple antibiotic resistance in EPEC clinical isolates A diarylheptanoid from *Alpinia officinarum* shows promising anti-bacterial and immunomodulatory activity against EPEC and its lipopolysaccharide (LPS) induced inflammation. *International Journal of Antimicrobial agents*, 33:244-250.
3. Sangeetha K.N., Sujatha S., Muthusamy B.S., Anand S., Nithya Nirmal, Velmurugan D., Lakshmi B.S (2009). 3 $\beta$ - Taraxerol of *Mangifera indica* a p13k dependent dual activation of glucose transport and glycogen synthesis in adipocytes. *Biochimica et Biophysica Acta*. Inpress.
4. Shilpa K., Selvakumar C., Senthil Arunkumar, Lakshmi B.S (2009). In vitro root culture of *Ocimum sanctum* L. and evaluation of its free radical scavenging activity. *Plant Cell Tissue Organ Culture*
5. Senthil V., Ramadevi S., Venkatakrishnan V., Lakshmi B.S., Giridharan P., Balakrishnan A., Vishwakarma R.A (2007) "Withanolide induces apoptosis in HL-60 leukemia cells via mitochondria mediated cytochrome c release and caspase activation" *Chemico-Biological Interactions*
6. Gayathri B., Manjula N., Vinay kumar K.S., Lakshmi B.S., Arun Balakrishnan (2006) "Pure compound from *Boswellia serrata* extract exhibits anti-inflammatory

- property in human PBMCs and mouse macrophages through inhibition of TNF alpha IL-1 beta NO and MAP kinases” International Immunopharmacology
7. Vinod kumar, K.S., Bharathi Ramasubhan, Lakshmi B.S., Gautam Pennathur (2006) “A Sensitive assay for lipase using tetra sulfanatophenyl porphyrin” Analytical Biochemistry 356, 294-296
  8. Jayasundar J James, Baddireddi S. Lakshmi, Venkateshamurthy Raviprasad, Mathuranthagam J. Anant, Pandjassaram Kanguane and Pennathur Gautam (2003) “Insights from molecular dynamics simulations into pH-dependent enantioselective hydrolysis of ibuprofen esters by *Candida rugosa* lipase” Protein Engineering Vol 16 no: 12 pp 1-8.
  9. Lakshmi, B. S., Kanguane, P., Madhavi, K., Mukut, S., Gautam, P., (2000) 'The effect of hydrophobicity on the interfacial activation of *Candida rugosa* lipase' Journal of Biochemistry, Molecular Biology and Biophysics, Vol 4, pp. 293-298.
  10. Lakshmi, B.S., Kanguane, P., Guo, Y., Chen, Y.Z., and Gautam, P. (2000) 'Molecular basis for the stereospecificity of *Candida rugosa* lipase (CRL) towards Ibuprofen'. Biocatalysis and Biotransformation, 17/6; pp. 475-486.
  11. Lakshmi, B.S., Kanguane, P., Binu Abraham., Gautam P. (1999) 'Effect of vegetable oils in the secretion of lipase from *Candida rugosa* (DSM 2031)' Letters in Applied Microbiology, 29: pp. 66-70
  12. Senthilkumar, K., Lakshmi, B. S., and Gautam, P. (1998) 'Automation of Hitachi U-2000 spectrophotometer with RS232 based computer'. Journal of Automatic Chemistry, 20, pp. 189-193.