

Brief Details

Prof. M. NARASIMHA RAO
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Published, accepted and communicated papers list in indexed peer reviewed journals during the year academic year 2006-2007.

List of papers published:

1. **Review paper:** Chromatographic Techniques for Separation of Peptides: Application to Proteomics – May (2007), Vol. 65 issue 9/10 pp.511-518, **Chromatographia**, Germany, Springer Publisher.
2. Bioconversion Treatment of Cashew Testa Tannins into Gallic Acid Using Fungal Mycelia to Abate Environmental Pollution: **International Journal of Chemical Sciences**: 4 (2), 2006, 426-438.
3. Antimicrobial activity of *Achyranthes aspera*: **Biosciences, Biotechnology Research Asia**, Vol.31 (1a), 171-174 (2006)
4. Production and Evaluation of Biodiesel from Sunflower (*Helianthus annus*) and Niger seed oil (*Guizotia abyssinica*): **Asian Journal of Chemistry**., Vol.18, No.4 (2006), 2951-2958.
5. Esterification of Fatty Acid Using Porcine Pancreas Lipase: **Asian Journal of Chemistry**., Vol. 18, No. 1 (2006), 533-538.
6. Optimization of Fermentation Conditions for The Production of Ethanol from Sago Starch by Co-immobilized Amyloglucosidase and Cells of *Zymomonas mobilis* Using Response Surface Methodology: **Enzyme and Microbial Technology** 38 (2006) 209-214. Elsevier Publisher.
7. Microbial transformation of gallotannins to gallic acid an intermediate production of trimethoprim, a broad-spectrum antibiotic- accepted for publication in the journal 2006, **THE BIOSCAN** 1(1-4): 19-25,

List of papers communicated/accepted

1. High performance Liquid Chromatographic Quantification of Levofloxacin in human plasma using an Experimental design-communicated to **Chromatographia**, Germany, Springer Publisher.
2. Development and Validation of a LC Method for the Determination of Famciclovir in Pharmaceutical Formulation Using an Experimental Design- Accepted for publication in **E-Journal of Chemistry**
3. Development and Validation of Microbiological Assay for Produced Erythromycin Using an Experimental Design- Accepted for publication in **E-Journal of Chemistry**
4. Comparative study on biotransformation Tannin-rich Agro/Forest based products into gallic acid by *Fusarium solani* MTCC 350- communicated to Biochemical Sciences
5. Production and characterization of tannin acylhydrolase from *Fusarium solani* MTCC 350- communicated to Journal of Bioscience and Bioengineering
6. Production of gallic acid from tannin using three different fungal strains by submerged fermentation- communicated to Journal of pure and applied microbiology

Papers presented/communicated for conferences

1. Development and Validation of LC Method for the Determination of Leflunomide in Pharmaceutical Formulations Using an Experimental Design- presented at **20th International symposium on preparative/ process chromatography** held at Baltimore, MD, USA
2. Development and Validation of LC-MS/MS Method for the Quantification of Oxcarbazipine in Human Plasma Using an Experimental Design- Presented at **20th International symposium on preparative/ process chromatography** at **20th International symposium on preparative/ process chromatography** held at Baltimore, MD, USA
3. Screening of Nutritional Parameters for the Production Erythromycin from *Saccharopolyspora Erythrae* MTCC 1103- communicated to CHEMCON-2007.

4. A quantitative method for the analysis of adiponectin by matrix-assisted laser desorption ionization-time of flight mass spectrometry- Communicated to HUPO2007, Korea
5. A quantitative method for the analysis of bradykinin by electrospray-ionization mass spectrometry- Communicated to HUPO2007, Korea

List of Ph.Ds

Awarded: 2

Submitted: 2

Present full time research scholars : 2

Present part-time research scholars : 6

Presently working as

Professor Chemical Engineering and Chemical Technology

Chairman Energy park-Andhra University College of Engineering

Chief warden- Andhra University Engineering Hostels from last 2 years