

# T Durai Ananda Kumar

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**Research Interests:** Synthesis of small molecules, generalization of phase transfer catalysts using DoE and molecular modeling studies on nitrogen heterocycles.

## Education:

1. D. Pharmacy [1995-1998]: Madurai Medical College, Madurai, Tamilnadu, India.
2. B. Pharmacy [1998-2002]: KM College of Pharmacy, TN Dr MGR Medical University, Madurai, Tamilnadu, India.
3. M. Pharmacy [2004-2006]: JSS College of Pharmacy, TN Dr MGR Medical University, Ootachamund, Tamilnadu, India.

## Teaching Experience: 8 Years

Teaching Bioorganic-Medicinal Chemistry and Pharmacoinformatics for B. Pharmacy and M. Pharmacy students

1. Sr Assistant Professor (May 2011 onwards), Dept of Pharmaceutical Chemistry, Gokaraju Rangaraju College of Pharmacy, Bachupally, Hyderabad, Andhra Pradesh, India.
2. Assistant Professor (May 2006 – Apr 2011), Dept of Pharmaceutical Chemistry, Gokaraju Rangaraju College of Pharmacy, Bachupally, Hyderabad, Andhra Pradesh, India.

## Professional Recognition, Awards, Achievements:

1. Awarded First rank for M Pharm Project by Tamilnadu Pharmaceutical Sciences Welfare Trust

## Representative Publications: [Selected 7 publications only]

1. **T. Durai Ananda Kumar**, N. Yamini, CVS Subrahmanyam, K Satyanarayana. Design and optimization of eco-benign one-pot synthesis of 2,4,5-triaryl-1H-imidazoles by three component condensation using response surface methodology, *Syn. Commun.* (**In press**)
2. **T. Durai Ananda Kumar**, P. Mohan, CVS Subrahmanyam, K Satyanarayana. Comparative study of catalytic potential of TBAB, BTEAC, and CTAB in one-pot synthesis of 1,4-dihydropyridines under aqueous medium, *Syn. Commun.*, 2014; 44(4): 574-582.
3. **T. Durai Ananda Kumar**, P. Soumya, CVS Subrahmanyam, K Satyanarayana. Bio-compatible and efficient catalytic synthesis of 3, 4-dihydropyrimidin-2(1H)-ones and thiones in aqueous medium. *Bull. Cat. Soc. India*, 2013; 12: 49-53.
4. **T. Durai Ananda Kumar**, Y. Kranthi Ramya, CVS Subrahmanyam, K Satyanarayana. Efficiency of phase transfer catalysts in permanganate mediated oxidation of benzaldehyde in aqueous medium: an eco-benign approach. *Bull. Cat. Soc. India*, 2013; 12: 16-20.
5. N Swathi, **T Durai Ananda Kumar**, CVS Subrahmanyam, K Satyanarayana. Synthesis and in silico drug likeliness evaluation of N, 5-disubstituted -1,3-thiazolidine-2,4-dione analogues, *J Pharm Res*, 2013; 6: 106-111.
6. N Swathi, **T Durai Ananda Kumar**, K Haribabu, CVS Subrahmanyam, Synthesis and biological evaluation of substituted thiazolamine, imidazo[2,1b]thiazol-6(5H)-one, thiazolo[3,2a]pyrimidin-5-one and thiazolyl thiourea derivatives, *Indian J Het Chem*, 2012; 21 (3): 263-268.
7. V Alagarsamy, S Meena, KV Ramaseshu, V Raja Solomon, **T Durai Ananda Kumar**, K Thirumurugan. 4-Cyclohexyl-1-substituted-4H-[1,2,4]-triazolo[4,3-a]-quinazolin-5-ones: Novel class of H<sub>1</sub> antihistaminic agents. *Chem Biol Drug Des*, 2007, 70(3); 254-260. [Pubmed PMID: 17718720](#)

**Conference Publications:**

1. Participated and presented (oral) a paper in the AICTE sponsored national level seminar on 'Universal Perception of Pharmaceutical Research and Development' held at Pulla reddy Institute of Pharmacy, Hyderabad., during 3<sup>rd</sup> and 4<sup>th</sup> September, 2013.

**Books: [Selected 5 books]**

1. T. Durai Ananda Kumar, Elementary Pharmacoinformatics, 2014, PharmaMed press, BSP Books, Hyderabad.
2. T. Durai Ananda Kumar and N Swathi, Experimental Organic Medicinal Chemistry, PharmaMed press, BSP Books, Hyderabad. (in press)

**Life Member of the Following National Societies:**

1. Association of Pharmaceutical Teachers of India ([AP/LM 379](#))
2. Pharmacy Council of India – Tamilnadu State Council ([7217 A1](#))