

# Swathi Naraparaju

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Dept. of Pharmaceutical Chemistry,  
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## Research Interests:

Synthesis of small heterocycles with antidiabetic and anti-inflammatory activities; their *in silico*, *in vitro* and *in vivo* screening methodologies; QSAR predictions.

## Education:

1. Ph. D.[2015]: Pharmaceutical Sciences, Jawaharlal Nehru Technological University-Hyderabad, Hyderabad, Telangana, India
2. M. Pharmacy [2003-2005]: Pharmaceutical Chemistry, Institute of Pharmaceuticeutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, 500102, India.
3. B. Pharmacy [1999-2002]: Institute of Pharmaceuticeutical Technology, Sri Padmavati Mahila Visva Vidyayalam, Tirupati, 500102, India.

**Teaching Experience:** 13.5 Years

## Responsibilities at institutional level:

Member, Institutional Development and Monitoring Committee  
Treasurer, GRCP Alumni Association  
Member, Women Development Cell  
Member, Chemicals & Glassware Committee  
Member, Institutional Animal Ethics Committee (2008-2016)

## Representative Publications:

1. Swathi N, Pani Kumar D Anumolu, Sunitha G, Rajeshwari G. Quantification of tamsulosin hydrochloride and Solifenacin succinate by discriminative derivative synchronous emission spectroscopy. *Turk. J. Pharm. Sci.* 2018; 15 (2): 149-155.
2. Swathi N, Subrahmanyam CVS, Satyanarayana K. Synthesis and quantitative structure-antioxidant activity relationship analysis of Thiazolidine-2,4-dione analogues. *Asian J. Res. Chem.* 2015; 8: 21-26.
3. Durai Ananda Kumar T, Swathi N, Navatha J, Subrahmanyam CVS, Satyanarayana K., Tetrabutylammonium bromide and potassium carbonate: an eco benign catalyst for the synthesis of 5-arylidene-1,3-thiazolidine-2,4-dione via Knoevenagel condensation, *J Sulfur Chem*, 2015, 36(1), 97-107.
4. Swathi N, Himabindu N, Subrahmanyam CVS, Satyanarayana K. Synthesis, *in vitro* antioxidant and antidiabetic activity evaluation of novel thiazolidine-2,4-diones. *Indian J. Het. Chem.* 2014; 24: 145-152.
5. Swathi N, DuraiAnanda Kumar T, Subrahmanyam CVS, Satyanarayana K. Synthesis and *in silico* drug likeness evaluation of N,5-disubstituted-1,3-thiazolidine-2,4-dione analogues. *J Pharm Res.* 2013; 6:107-111.
6. Swathi N, Ramu Y, Subrahmanyam CVS, Satyanarayana K. Synthesis, quantum mechanical calculation and biological evaluation of 5-(4-substituted aryl/heteroarylmethylidene)-1,3-thiazolidine-2,4-diones. *Int J Pharm Pharm Sci.* 2012; 4(1):561-566.
7. Swathi N, Durai Ananda Kumar T, Haribabu K, Subrahmanyam CVS. Synthesis and biological evaluation of substituted thiazolamines, imidazo[2,1b]thiazol-6(5H)-ones, thiazolo[3,2-a]pyrimidin-5-ones and thiazolyl thioureas. *Indian J Het Chem.* 2012; 21:263-268.
8. Swathi N, Sreedevi A, Bharathi, K. Evaluation of nephroprotective activity of fruits of *Ficus hispida* on cisplatin-induced nephrotoxicity. *Phcog J.* 2011; 3(22):62-68.

9. Swathi N, Durai Ananda Kumar T, Yuvaraj S, Subrahmanyam CVS. Proton pump inhibitors. *Hygeia*, 2009; 1(1):28-32.

**Book(s) authored:**

1. T. Durai Ananda Kumar, **N. Swathi**: Experimental Organic and Medicinal Chemistry: Principles & Practice, 2015, PharmaMed Press, Hyderabad.

**Seminar/Workshop/Conference Publications/FDP:**

1. Participated in Indo-Malaysian Conference held at RBVRR women's College of Pharmacy, Hyderabad on 6<sup>th</sup> Oct 2018.
2. Participated in workshop on Drug Discovery & Development- Concept, clinic & commercialization (d3c3) held at NIPER, Hyderabad on March 9<sup>th</sup> & 10<sup>th</sup> 2018.
3. Participated in AICTE approved Faculty Development Programme (FDP201x) on **Pedagogy for Online and Blended Teaching-Learning Process** conducted by Indian Institute of Technology, Bombay from 14<sup>th</sup> September 2017 to 12<sup>th</sup> October 2017.
4. Participated in AICTE approved Faculty Development Programme (FDP101x) on **Foundation Program in ICT for Education** conducted by Indian Institute of Technology, Bombay from 3<sup>rd</sup> Aug 2017 to 7<sup>th</sup> September 2017.
5. Participated in BioAsia 2017 held at Madhapur, Hyderabad on 6<sup>th</sup> to 8<sup>th</sup> February 2017.
6. Oral presentation in Innovate-13, 3<sup>rd</sup> and 4<sup>th</sup> September 2013, Pulla Reddy College of Pharmacy, Hyderabad. Synthesis and QSAR analysis of N,5-disubstituted thiazolidine-2,4-diones as potential antioxidants.
7. Poster presentation in 1<sup>st</sup> International conference on Innovative Pharmacy and Pharmaceutical Sciences on 16<sup>th</sup> April 2012, Bhopal, India. Swathi N, Durai Ananda Kumar T, Subrahmanyam CVS, Satyanarayana K. Synthesis and *in silico* screening of thiazolidine-2,4-dione analogues as FFAR-1 agonists.
8. Poster presentation in 60<sup>th</sup> IPC, 2008, New Delhi, India. Raghavendra NM, Gurubasavarajaswamy PM, N Swathi. *In vitro* & *In vivo* Ehrlich ascites carcinoma based antitumor activity of 2-imidazolyl-N-(4-oxo-quinazolin-3(4H)-yl)-acetamides.
9. Poster presentation in 38<sup>th</sup> Annual Conference of Indian Pharmacological Society, 28<sup>th</sup>-30<sup>th</sup> December 2005, Madras Medical College, Chennai, India.
10. Poster presentation in UGC-sponsored National seminar, 24<sup>th</sup> March 2005, Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visva Vidyalayam, Tirupati, India. Swathi N, Sreedevi A, Bharathi, K. Combinatorial chemistry- Powerful tool for drug design.

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

1. Andhra Pradesh Pharmacy Council [038212/A1 dated 05-09-2003]
2. Association of Pharmaceutical Teachers of India [AP/LM-380; dated: 26-05-2008]