

# Dr CVS Subrahmanyam

Professor & Principal

Dept. of Pharmaceutics,  
Gokaraju Rangaraju College of Pharmacy, Osmania University,  
Bachupally, Hyderabad – 500 090, AP, India

Email: [cvssubrah@yahoo.co.in](mailto:cvssubrah@yahoo.co.in)

Phone: 040-32912927 (Off)  
040-23893130 (Res)



## Research Interests:

Research areas are physical pharmacy, solubility, solubilization and design of novel drug delivery systems. Preformulation studies includes solubility behavior, solubilization of poorly water soluble drugsetc., Solid state manipulations – crystallization, cocrystals; Novel drug delivery systems – aquasomes, solid-lipid nano particles, osmotic systems; liquisolid compacts.

## Education:

1. PhD. [2006]: Birla Institute of Technology & Science, Pilani (Excellent)
2. M. Pharmacy [1980]: Andhra University, Visakhapatnam (1st Class with Distinction)
3. B. Pharmacy [1977]: Andhra University, Visakhapatnam (1st Class)

## Research Funding:

1. Principal Investigator, funded by All India Council for Technical Education (AICTE), Government of India, under Research Promotion Scheme [Amount Sanctioned: INR `5,00,000]
2. Principal Coordinator, MODROBS "Development of differential dissolution media for drugs and dosage forms" sponsored by AICTE, Government of India, under Faculty Development Program [Amount Sanctioned: INR 15,00,000; 2010]
3. Principal Coordinator, "Current trends in pharmaceutical product development including regulatory affairs" sponsored by AICTE, Government of India, under Faculty Development Program [Amount Sanctioned: INR `7,00,000; 2013]
4. Principal Coordinator, "Industry Institute Partnership Cell (IIPC)" sponsored by AICTE, Government of India, [Amount Sanctioned: INR `7,00,000; 2010-2014]

## Professional Recognition. Awards. Achievements:

1. Good Teacher (1995) chosen by the students of College of Pharmaceutical Sciences, Manipal, through secret Ballot
2. Ranbaxy Research Award for Pharmaceutical Sciences, (1985) given to guide Prof. R. C. Srivastava

## Representative Publications:

International : 30

National : 20

1. Monika Nijhawan, Santhosh A, Sathesh Babu PR and Subrahmanyam CVS. Solid state manipulation of lornoxicam for cocrystals – physicochemical characterization. *Drug Dev. Ind. Pharm.* Early Online; 2013; 1-10. [Pubmed PMID: 23829186].
2. Meena Kharwade, Achyuta G, Subrahmanyam CVS, and Sathesh Babu PR. Solubility behavior of lornoxicam in binary solvents of pharmaceutical interest. *J. Sol. Chem.* 41 (8); 2012; 1364-1374.
3. Meena Kharwade, Subrahmanyam CVS, and Sathesh Babu PR. Total and partial solubility parameters prediction: Lornoxicam in individual solvents. *J. Pharm. Res.* 07; 2013. 409-413.
4. Panikumar AD, Sunitha G, Venkataraju Y, Sathesh Babu PR and Subrahmanyam CVS. Development of dissolution test method for drotaverine hydrochloride / mefanamic acid combination using derivative spectrophotometry. *Trop. J. Pharm. Sci.* 12 (02); 2013; 227-232.
5. Meena Kharwade, Mahitha, Subrahmanyam CVS, and Sathesh Babu PR. Cosolvency – An approach Solubility enhancement of lornoxicam. *J. Pharm. Res.* 05 (08); 2012. 4204-4206.
6. Panikumar AD, Sunitha G, Venkataraju Y, Sathesh Babu PR and Subrahmanyam CVS. Development of dissolution test method for drotaverine hydrochloride / mefanamic acid combination using derivative spectrophotometry. *Trop. J. Pharm. Sci.* 12 (02); 2013. 227-232.

### **Conference Presentations:**

International : 02

National : 19

1. 57<sup>th</sup> IPC, 2005, Hyderabad, India. P.R. Sathesh Babu, J. Thimmasetty, K. Valliappan, R. Manavalan, C.V.S.Subrahmanyam. Solubility behaviour of rofecoxib in different solvent blends.
2. 59<sup>th</sup> IPC, 2007, Varanasi, India. P.R. Sathesh Babu, J. Thimmasetty, K. Valliappan, R. Manavalan, C.V.S.Subrahmanyam. Solubility behaviour of meloxicam in different solvent blends.
3. 60<sup>th</sup> IPC, 2008, New Delhi, India. A.P. Basavarajappa, Sanjoy Mandal, J. Thimmasetty, C.V.S. Subrahmanyam, A.R. Annamalai, P.R. Sathesh Babu. Mutual Interaction of Drugs at Molecular Level – Its implications Pharmacotherapy.
4. 63<sup>rd</sup> IPC, 2011, Bengaluru, India. Panikumar AD, Sunitha G, Sathesh Babu PR, Subrahmanyam CVS. Simultaneous estimation of Drotaverine hydrochloride and mefenamic acid and evaluation of their fixed dose tablets for dissolution behaviour.
5. Biofest-2012, Hyderabad, India. Panikumar AD, Sirisha N, Sathesh Babu PR, Subrahmanyam CVS. Development and validation of dissolution test for telmisartan and amlodipine besylate combined tablet dosage form by application of synchronous first derivative spectrofluorimetry.

### **Invited Lectures:**

Plenary Lectures – 12

Guest lectures – 20

### **Professional Activities:**

Referee for review of research articles for Indian Journal of Pharmaceutical Sciences (1995 onwards)

Member, Editorial Board, Indian Journal of Pharmaceutical Education & Research (1977 onwards)

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

1. Indian Pharmaceutical Association
2. Association of Pharmaceutical Teachers of India
3. Indian Pharmaceutical Graduates Association

### **Research Guidance:**

1. Ph.D : 15 students
2. M. Pharmacy : 40 students
3. B. Pharmacy : 25 projects

### **Academic Bodies:**

- Member, Board of Studies for Pharmacy, Mangalore University (1988-89)
- Member, Board of Examination Authority (Pharmacy), Mysore University (1995-01)
- Member, Board of Examination Authority (Pharmacy), Bangalore University (1997-99)
- Member, Board of Examination Authority (Pharmacy), Kuvempu University (2000-01)
- Member, Academic Council, Rajiv Gandhi University of Health Sciences, Bangalore (2001-02)
- Member, Board of Studies (PG), Rajiv Gandhi University of Health Sciences, Bangalore (2003-04)

### **Books:**

1. Textbook of Physical Pharmaceutics, Vallabh Prakashan, Delhi, 1998, reprinted in 2000, 2002, 2003, 2004 and 2005.
2. Textbook of Pharmaceutical Engineering – Unit operations-I, Principles and Practice, Vallabh Prakashan, Delhi 2011.
3. Textbook of Pharmaceutical Engineering – Unit operations-II, Principles and Practice, Vallabh Prakashan, Delhi 2011.
4. Textbook, Essentials of Physical Pharmacy, Vallabh Prakashan, Delhi, 2003, 04 & 05.
5. Pharmaceutical Production and Management, Vallabh Prakashan, Delhi, 2005.

6. Biopharmaceutics and Pharmacokinetics, Vallabh Prakashan, Delhi, 2010.
7. Pharmaceutical Regulatory Affairs – Selected Topics, Vallabh Prakashan, Delhi, 2012.
8. Industrial Pharmacy – Selected Topics, Vallabh Prakashan, Delhi, 2013.
9. Laboratory Manual of Physical Pharmacy, Vallabh Prakashan, Delhi, 2000 & 2005.
10. Laboratory Manual of Physical Pharmaceutics, Vallabh Prakashan, Delhi, 2001 & 05
11. Laboratory Manual of Pharmaceutical Engineering, Vallabh Prakashan, Delhi, 2006.
12. Laboratory Manual of Industrial Pharmacy, Vallabh Prakashan, Delhi, 2006.
13. Laboratory Manual of Pharmaceutics, Vallabh Prakashan, Delhi, 2006.