

# Dr AD PANIKUMAR (PD Anumolu)

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## ❖ Research Interests:

Development and validation of simple and eco-friendly analytical methods for quantification of different combination of drug molecules in pharmaceutical dosage forms and biological fluids by various instrumental techniques like UV-Spectrophotometer, Spectrofluorimeter, FT-IR, HPLC, GC, LC-MS and utilization of these analytical methods for investigation of their pharmacokinetic studies, impurity profiling and degradation kinetics.

## ❖ Education:

- **Ph.D (Pharmaceutical Analysis):** from JNTU Hyderabad on OCT 17<sup>th</sup> 2016.
- **M. Pharm (*Pharmaceutical Analysis and Quality Assurance* 2005-2007)** from Roland Institute of Pharmaceutical Sciences, Berhampur, Orissa with **8.39 SGPA** ...
- **B. Pharm (2001-2005)** from Shri Vishnu College of Pharmacy (Affiliated to Andhra University), Bhimavaram with an aggregate of **67.5%**
- **Intermediate (MPC 1999-2001)** from Sasi Junior College, Velivenu with an aggregate
- **S.S.C (1998-1999)** from Z.P. High School, Kethavaram, with an aggregate of **77.4%**

## ❖ Teaching Experience:

- Asst Professor: 07-07-2007 to 07-07-2013.
- Sr Asst Professor: 07-07-2013- 18-10-2017.
- Asso Professor: 18-10-2017 to till today

## ❖ Research Funding:

- **SG- QbD** approaches in analytical method development for pharmaceutical formulations. (1 L) by AICTE- Project coordinator. (**F.No-7-119/RFID/SG/PCL-1/2016-17**), held at GRCP, Hyderabad.

## ❖ Achievements:

- Qualified in GATE-2005 (**92 Percentile**)
- I got GATE scholar ship amount 1,30,000/- by AICTE, Delhi, India.
- I was honor with **Best Speaker Presentation** presented by bright international conference & events for Biofest-2012.
- Received **Dr P D SETHI CERTIFICATE OF MERIT in 2013** for my manuscript entitled with A validated spectral discriminating derivative spectrophotometric method for simultaneous quantification of atorvastatin calcium and fenofibrate combination in tablets, published in *Orien J. Pharm. Sci*, 29 (4), 1605-1610.

- Received **Dr P D SETHI CERTIFICATE OF MERIT in 2015** for my manuscript entitled with Development and validation of discriminating and bio-relevant dissolution test for lornoxicam tablets, published in *Ind. J. Pharm. Sci*, 77 (3), 312-320.

#### ❖ Research publications:

(Total-40, International-15, National-25)

Selected list of publications:

1. **Panikumar D Anumolu**, Sunitha Gurralla, Subrahmanyam CVS, Mounika Garrepelli, Priyanka Balam.. Stability Indicating Liquid Chromatographic Assessment of Dolutegravir by AQbD Approach – Central Composite Design. *Indian Durgs*.2017; 54(10): 53-60.
2. **Panikumar D Anumolu.**, Satyanarayana, M., Gayatri, T., Praveena, M., Sunitha,G., Subrahmanyam, CVS. Estimation based on emission-wavelength of dabigatran etexilate mesylate in bulk and capsule dosage forms. *Ind. J. Pharm. Sci*. 2016; 78 (1):166-169. [[Pub Med Id-27168697](#)]
3. **Panikumar D Anumolu.**, Sunitha,G., Hima Bindu, S., Sathesh babu, PR., Subrahmanyam, CVS. Development and validation of discriminating and bio-relevant dissolution test for lornoxicam tablets. *Ind. J. Pharm. Sci*. 2015;77 (3), 312-320. [[Pub Med Id-26180277](#)]
4. Ramakrishna,K., Gouthami, K., Sunitha, G., Venkat raj, Y., **Panikumar D Anumolu**. (2014): Quantification and stress degradation studies of cefepime/tazobactam in dry injection form by RP-HPLC method. *Brazilian J. Pharm. Sci*. 2014; 50 (4):896-901.
5. **Panikumar, D Anumolu**, Sirisha, N., Haripriya, A., Sathesh babu, PR., Subrahmanyam, CVS. Development of dissolution test method for telmisartan/amlodipine besylate combination using synchronous derivative spectrofluorimetry. *Brazilian J. Pharm. Sci*, 2013; 50 (2): 330-336.
6. **Panikumar, D.Anumolu.**, Sunitha Gurralla., Venkatraju Yeradesi., Sathesh Babu, P.R., Subrahmanyam,C.V.S. Development of dissolution test method for drotaverine HCl/mefenamic acid combination using derivative spectrophotometry, *Trop J Pharm Res*.2013; 12 (2):227-232.
7. **Panikumar, D Anumolu**, Sirisha, N., Haripriya, A., Sathesh babu, PR., Subrahmanyam, CVS. (First derivative synchronous spectrofluorimetric determination of telmisartan/amlodipine besylate combination in tablets. *Dhaka.Univ.J.Pharm.Sci*. 2013; 12(1): 35-40.

#### ❖ Conference Abstracts

##### • Invited Lectures:

- 1) AICTE sponsored two days national seminar- QbD approaches in analytical method development for pharmaceutical formulations on 27 and 28 th OCT 2017, held at GRCP, Hyderabad. HPLC Quantification of Dolutegravir by AQbD approach-CCD.

##### • Poster Presentations

- 1) 65<sup>th</sup> Indian Pharmaceutical Congress, Delhi on 20-22<sup>nd</sup> December 2013. Validated eco and spectral discriminating derivative simultaneous method for quantification of atorvastatin calcium/fenofibrate combination tablets.
- 2) 63<sup>rd</sup> IPC, held at Bangaluru, India on 16<sup>th</sup>- 18<sup>th</sup> December 2011. (F-225). Simultaneous estimation of drotaverine hydrochloride and mefenamic acid and evaluation of their fixed dose tablets for dissolution behavior.

3) 63<sup>rd</sup> IPC, held at Bangaluru, India on 16<sup>th</sup>- 18<sup>th</sup> December 2011. (F-351). Development of biorelevant media as a discriminating method for dissolution of efavirenz.

- **Oral Presentations**

1) Chemistry and chemical technologies- Application in Pharma Industry. June 23<sup>rd</sup> -25<sup>th</sup> 2014, held at JNTU Hyderabad. Development and validation of discriminating and bio relevant dissolution test for lornixicam in tablets.

2) Biofest-2012, held at Hyderabad, India on 12<sup>th</sup> -13<sup>th</sup> December 2012. (Track-3.5). Development and validation of dissolution test for telmisartan and amlodipine besylate combined tablet dosage form by application of synchronous first derivative spectrofluorimetry.

❖ **Membership:**

1) APTI Life Member-AP/LM-649.

2) PCI-A<sub>1</sub>/044315.