

## CURRICULUM VITAE

Mr. M. K. SWAMY ARNIPALLI  
CSIR-Indian Institute of Chemical Technology,  
Hyderabad -500007, INDIA  
Mobile: +919492228859  
+918247436835  
Email: [manikantaarnipalli@gmail.com](mailto:manikantaarnipalli@gmail.com)  
[maniiict@gmail.com](mailto:maniiict@gmail.com)



<https://scholar.google.com/citations?user=jfBuqJUAAAAJ&hl=en>

---

### Educational Qualifications:

- |                                                     |                                                                                                                                                                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2013-2020 Ph.D.</b><br><b>(Thesis submitted)</b> | <b>[Doctoral degree] in the field of Analytical Chemistry</b> at<br>CSIR-Indian Institute of Chemical Technology, Hyderabad, INDIA.<br>Research supervisor: <b>Dr. U.V.R. Vijaya Sarathi</b> , Principal Scientist,<br>CSIR-IICT, INDIA. |
| <b>2009-2011</b>                                    | <b>Master of Science in Analytical Chemistry</b> , MVR<br>Degree and PG College, Gajuwaka, Visakhapatnam, Andhra<br>University, Andhra Pradesh, INDIA.                                                                                   |
| <b>2006-2009</b><br><b>[MPC]</b>                    | <b>Bachelor of science in Chemistry</b> , Sir C R Reddy<br>Degree College, Eluru, Andhra University, Visakhapatnam, Andhra<br>Pradesh, INDIA.                                                                                            |
| <b>2004-2006</b><br><b>[MPC]</b>                    | <b>Intermediate Education [plus two]</b> , Sri Katyani junior<br>college, Eluru, Board of Intermediate Education, Andhra<br>Pradesh, INDIA.                                                                                              |

## Awards and Fellowships:

1. Qualified the Joint CSIR – UGC [Council of Scientific and Industrial Research – University Grants Commission] Test for Junior Research fellowship held on 17-06-2012. Conducted by Human Resource Development Group, Examination Unit, New Delhi, INDIA.
2. Awarded as Senior Research Fellow (SRF, 2015-2018) from CSIR-UGC, New Delhi, INDIA.
3. Qualified Graduate Aptitude Test in Engineering (GATE-2019).

## Skills:

- Instrument Expertise: **HPLC** with multiple detectors such as PDA, UV, Fluorescence, RI, ELSD, Polarimetric and Conductivity detectors; **LC- MS** and **GC-MS**.
- Well experience on handling achiral (C18, Cyano, amino & Silica) and chiral columns (polysaccharide, Protein, Zwitterionic, Anion exchange, Cyclodextrin, Macrocyclic Glycoprotein & Crown ether) columns.
- Development of new analytical & bio-analytical methods and their applications in pharmacokinetics, pre-clinical and clinical trial studies.
- Development of various sensitive extraction techniques for drug entities from the biological fluids using various sample cleanup techniques such as liquid-liquid, solid phase extractions.
- Development and validation of various methods as per the ICH and FDA guidelines

- Determination of Heavy and Trace metals by inductively coupled plasma-optical emission spectrometry (**ICP-OES**)
- Identification and determination of Anions and Cations by Ion Chromatography (**IC**)
- Determination of Molar Mass Distribution of polymers, biopolymers, polysaccharides and proteins by **GPC/SEC**
- Good skills in communication and management Knowledge in chemical databases/computers in using of softwares such as MS Office, ChemDraw, Reference Management Software, EndNote, Origin, Chemdraw, SPSS and MODDE .
- Scientific information retrieval using search engines like Scifinder, Sciencedirect, Pubmed, Scopus, Thomson Reuters (ISI) Web of Knowledge.

## **Publications**

1. Nageswara Rao Ramiseti, **Manikanta Swamy Arnipalli** and Narendra Varma Nimmu. Dried blood spot analysis of (+) and (-) darunavir enantiomers on immobilized amylose tris-(3, 5-dimethylphenylcarbamate) LC and its application to pharmacokinetics **Biomedical Chromatography**. 2015; 29: 1878–1884.
2. Nageswara Rao Ramiseti, Ramakrishna Kuntamukkala, and **Manikanta Swamy Arnipalli**. Development of a Validated LC Method for Separation of Process- Related Impurities Including the R-enantiomer of S-Pramipexole on Polysaccharide Chiral Stationary Phases. **CHIRALITY** (2015) 27(7).
3. Nageswara Rao Ramiseti, **Manikanta Swamy Arnipalli**, Narendra Varma Nimmu and Ramachandra Bondigalla. UHPLC determination of Besifloxacin Enantiomers on Immobilized Amylose Tris (3, 5-

Dichlorophenylcarbamate) Chiral Stationary Phase. **Chromatographia** 2017, Volume 80, Issue 10, pp 1509–1515.

4. Narmada Muthineni, **Manikanta Swamy Arnipally**, Sridhar Bojja, Harshadas Mitaram Meshram, Ajay Kumar Srivastava, Bhaskar Rao Adari. A Green approach towards the synthesis of chiral alcohols using functionalized alginate immobilized *Saccharomyces cerevisiae* cells. **Journal of Molecular Catalysis B: Enzymatic** 134 (2016) 233–237.
5. Narendra Varma Nimmu, **Manikanta Swamy Arnipalli**, Keerthi Appu, Sara Khalid, Nageswara Rao Ramiseti. LC–MS/MS Determination of Antihypertension Drugs in Rat Plasma and Urine: Applications to Pharmacokinetics. **Chromatographia** November 2018, Volume 81, Issue 11, pp 1551–1557.
6. Bioassay studies of Risperidone and its active metabolite in rat dried blood spots and dried plasma spots using LC-ESI-MS/MS: Comparison of their pharmacokinetic profiles. Gangu Naidu Challa, NarendraVarma Nimmu, Ramachandra Bondigalla, **M.K. Swamy Arnipalli**. *Sep Sci plus* 2020; 1–7.

### List of Conferences attended:

1. National Seminar on “**Environmental Pollution with Special Reference to Water Pollution**” organized by Department of Chemistry Sir C R Reddy Autonomous College, Eluru, on 12<sup>th</sup> December, 2008.
2. National Seminar on “**Analytical & Synthetic Strategies in Chemistry**” organized by Department of Organic & Analytical Chemistry, Dr. Lankapalli Bullayya P.G. College, Visakhapatnam, on 18<sup>th</sup> & 19<sup>th</sup> February, 2010
3. National Seminar on “**Environmental Pollution and Role of Biotechnology**” organized by MVR Degree & PG College, Gajuwaka, Visakhapatnam, on 20<sup>th</sup> & 21<sup>st</sup> October, 2010.
4. National Seminar on “**Chemistry of Bio-Active Natural Products**” organized by MVR Degree & PG College, Gajuwaka, Visakhapatnam, on 16<sup>th</sup> & 17<sup>th</sup> March, 2011.

5. **28<sup>th</sup> ISMAS Symposium cum Workshop on Mass Spectroscopy** (28<sup>th</sup> ISMAS-WS-2014) organized by Indian Society for Mass Spectrometry, held at Timber Trail Heights, Parwanoo, Himachal Pradesh during March 9-13, 2014.
6. **30<sup>th</sup> ISMAS Summer School on Mass Spectrometry for Proteomics & Metabolomics**, June 15-20, 2015 CSIR-IICT & CSIR-CCMB Hyderabad, India.
7. The 2<sup>nd</sup> Indian International Symposium on” **Fluorine Chemistry (IISFC- 2014)**” 3<sup>rd</sup> to 7<sup>th</sup> November, 2014, CSIR-IICT, Hyderabad, India.
8. Indo-German Alumni Seminar on “**ENABLING SUSTAINABLE FOOD AND NUTRITIONAL SECURITY**” organized by Indo-German Nachkontakt Association (IGNA) and CSIR-IICT, Hyderabad, during 1-2<sup>nd</sup> December, 2015.
9. National Seminar on “**Emerging Trends in Analytical Sciences (ETAS- 2016), Theme: Indian Perspectives on Food & Pharma Analysis**” held at CSIR-IICT, Hyderabad, during 21-22 March, 2016.

### Personal details:

Name	:	A.MANIKANTA SWAMY
Date of Birth	:	15 <sup>th</sup> July 1989
Marital status	:	Married
Nationality	:	INDIAN
Gender	:	Male
Languages	:	English, Telugu.

## Present Address:

**A.M.K SWAMY,**  
S/o A.Uma Maheswara rao H-  
No 1-132  
Chalivendram gattu, Chataparru  
Eluru Mandal  
West Godavari district  
Eluru-534004  
Andhra Pradesh

## References:

**Dr. U.V.R. Vijaya Sarathi,**  
Principal Scientist  
Department of Analytical Chemistry Indian  
Institute of Chemical Technology Hyderabad-  
500 007, India,  
Ph No: +91 9391305099  
E-mail: [saradhi@iict.res.in](mailto:saradhi@iict.res.in)

**Dr.R.Srinivas**  
Chief Scientist  
Department of Analytical Chemistry Indian  
Institute of Chemical Technology Hyderabad-  
500 007, India,  
Ph No: +91 9440802806  
EMail: [srini@iict.res.in](mailto:srini@iict.res.in)

**Dr. Mohana Krishna Reddy Mudiam, Principal Scientist**  
Department of Analytical Chemistry  
Indian Institute of Chemical Technology  
Hyderabad-500 007, India,  
Ph No: +91 9454985887  
E-mail: [mmudiam@iict.res.in](mailto:mmudiam@iict.res.in)