



SREENIVASA CHARAN ARCHAKAM

Professor & Head

CONTACTS

Tirupathi, Andhra Pradesh, 517501, India

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PROFILE

- *Passionate pharmacy teacher with 8+ years of teaching experience. Willing to utilize the skills of teaching & research knowledge by working in an organization, which would provide a challenging environment and ample opportunities for my career growth.*
- *Looking ahead to actively contribute to the development and growth of the organization where my knowledge is shared, enriched and where my technical and communication skills could be utilized to the fullest potential to prove myself in professional carrier.*

EMPLOYMENT HISTORY

Professor, Sri Padmavathi School of Pharmacy, Tiruchanoor, AP, India

JULY 2012 – PRESENT

- Sound teaching experience in analytical chemistry, pharmaceutical chemistry, pharmaceutics, pharmacognosy and allied branches of pharmacy.
- Worked well independently and on a team to solve problems.
- Served as a friendly, hardworking, and punctual employee.
- Organized and prioritized work to complete assignments in a timely, efficient manner.

Product Manager, Renova Pharmaceuticals, Tirupathi, AP, India

JULY 2018 – AUGUST 2019

- Product training, branding and marketing, sales analysis

EDUCATION

Ph.D., Jawaharlal Nehru Technological University Anantapur, Anantapur, AP, India

AUGUST 2019

Dissertation: Development and Validation of New Analytical Methods for Different Active Pharmaceutical Ingredients and Finished Pharmaceutical Products

Master of Pharmacy (Pharmaceutical Analysis), Sri Padmavathi School of Pharmacy (aff. to JNTUA), Tiruchanoor, AP, India

JUNE 2010

Graduated with 85% marks-First class with distinction.

Dissertation: Spectral and chromatographic analysis of Ceftibuten.

Bachelor of Pharmacy, Nirmala College of Pharmacy (aff. to JNTUA), Kadapa, AP, India

APRIL 2010

Graduated with 80% marks-First class with distinction.

Dissertation: Estimation of paracetamol and aceclofenac by using simultaneous equation method.

Intermediate (10+2)-Bi.P.C, Sri Chaitanya Junior College, Tirupathi, AP, India

MARCH 2005

Passed with 96% marks.

SSC, Prashanth English Medium High School, Tirupathi, AP, India

MARCH 2003

Passed with 90% marks.

LINKS

[Google Scholar](#) [ORCID](#) [Youtube channel](#) [Linkedin](#)

SKILLS

Analytical Skills

Chemometrics & QbD

Online Teaching

Analytical Softwares-Design Expert, Minitab

Method Development & Validation

Calibration & Handling of Analytical Instruments

Professional teaching & Training

Computer Software-MS office, Data mining

Communication Skills

COURSES

Course on Intellectual Property Rights & Pharmaceutical R&D (CCIPR), Intellectual Property Education Centre (IPEC) - Federation of Indian Chambers of Commerce and Industry (FICCI)

Quality Assurance Chemist, National Skill Development Centre

Quality Control Chemist, National Skill Development Centre

Drug Development, University of California San Diego

APRIL 2020 – JULY 2020

Drug Commercialization, University of California San Diego

APRIL 2020 – JULY 2020

Introduction to Personal Branding, University of Virginia

APRIL 2020 – JULY 2020

Design and Interpretation of Clinical Trials, JOHNS HOPKINS UNIVERSITY

AUGUST 2020 – PRESENT

Excel Skills for Business: Essentials, MACQUARIE UNIVERSITY

AUGUST 2020 – PRESENT

Drug Discovery, UNIVERSITY OF CALIFORNIA SAN DIEGO

AUGUST 2020 – PRESENT

Experimental Design Basics, ARIZONA STATE UNIVERSITY

AUGUST 2020 – PRESENT

Market Research and Consumer Behavior, IE BUSINESS SCHOOL

AUGUST 2020 – PRESENT

Teamwork Skills: Communicating Effectively in Groups, UNIVERSITY OF COLORADO BOULDER

SEPTEMBER 2020 – PRESENT

Marketing Analytics, UNIVERSITY OF VIRGINIA

SEPTEMBER 2020 – PRESENT

Data Management for Clinical Research, VANDERBILT UNIVERSITY

SEPTEMBER 2020 – PRESENT

Six Sigma and the Organization (Advanced), UNIVERSITY SYSTEM OF GEORGIA

SEPTEMBER 2020 – PRESENT

Herbal Medicine, UNIVERSITY OF MINNESOTA

SEPTEMBER 2020 – PRESENT

Pharmaceutical and Medical Device Innovations, UNIVERSITY OF MINNESOTA

SEPTEMBER 2020 – PRESENT

Data Analytics for Lean Six Sigma, UNIVERSITY OF AMSTERDAM

SEPTEMBER 2020 – PRESENT

How to Write and Publish a Scientific Paper (Project-Centered Course), ÉCOLE POLYTECHNIQUE

SEPTEMBER 2020 – PRESENT

INTERNSHIPS

Industry Project, Aurobindo Pharma Limited, Hyderabad

NOVEMBER 2011 – APRIL 2012

Underwent industrial training and carried out M.Pharm project work.

Industrial Training , Therdose Pharmaceuticals, Hyderabad

MAY 2009 – JUNE 2009

Underwent training at various departments of Pharmaceutical industry.

Industrial Training, Vivimed Laboratories, Hyderabad

JULY 2009

Underwent training at various departments of Pharmaceutical industry.

SCIENTIFIC PUBLICATIONS

List of Scientific Publications

1. Chemometric assisted UV spectrophotometric and RP-HPLC methods for simultaneous determination of paracetamol, diphenhydramine, caffeine and phenylephrine in tablet dosage form. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*. Volume 243, 15 December 2020.
2. Chemometric-assisted RP-HPLC method for the simultaneous determination of ambroxol hydrochloride, terbutaline sulfate, and guaiphenesin in combined dosage form. *Journal of Applied Pharmaceutical Science*, 9(9) (2019) 92-97.

3. Development and validation of chemometric assisted analytical methods for simultaneous estimation of Atorvastatin calcium and Aspirin in capsule dosage form. *International Journal of Research In Pharmaceutical Sciences*, 10(3) (2019) 1692-1697.
4. Analytical methods for the recently approved FDA new molecular entities – A review, *J. Compr. Phar.*, 3(3) (2016) 70-82.
5. Estimation of Nefopam Hydrochloride in bulk and parenteral dosage form by Zero order and Area under the curve UV spectrophotometric methods, *J. Global Trends Pharm. Sci.*, 8(3) (2017) 4088-4095.
6. New stability indicating RP-HPLC method for the simultaneous estimation of Terbutaline Sulfate and Bromhexine Hydrochloride in tablet dosage form, *Int. J. Res. Pharm. Sci.*, 9(3) (2018) 776-781. doi: <https://doi.org/10.26452/ijrps.v9i3.1564>
7. Development and Validation of a New Stability Indicating Reversed-phase High-Performance Liquid Chromatography Method for the Simultaneous Estimation of Tegafur and Uracil in Capsule Dosage Form, *Asian J. Pharmaceutics*, 12(3) (2018) 221-227. doi: <http://dx.doi.org/10.22377/ajp.v12i03>
8. Quantitative determination of N-Acetyl cysteine by RP-HPLC method in bulk and parenteral injection, *Asian. J. Pharm. Pharmacol.*, 4(5) (2018) 702-705. doi: <https://doi.org/10.31024/ajpp.2018.4.5.24>
9. Simultaneous determination of Zolpidem tartrate and Melatonin in tablet dosage form by UV spectrophotometry and RP-HPLC methods. *European Journal of Biomedical AND Pharmaceutical sciences* 4 (9), 462-470.
10. RP-HPLC method development and validation for the simultaneous estimation of phenylephrine hydrochloride and chlorpheniramine maleate in pharmaceutical dosage form. *Journal of Global Trends in Pharmaceutical Sciences* 8 (3), 4122-4129.
11. Simultaneous Estimation of Atorvastatin and Aspirin in Bulk and Capsule Dosage Form by Chemometric Assisted Spectrophotometric Methods. *Journal of Young Pharmacists* 8 (4), 424-429.
12. Quantitative estimation of Ceftibuten by RP-HPLC Method in bulk and capsule dosage form, *journal of pharmacyresearch*, 6(2013), 395-400. Science direct citation link: <http://dx.doi.org/10.1016/j.jopr.2013.02.028>
13. 10. RP-HPLC Method for the estimation of Ceftiofur Hydrochloride in bulk form, *journal of pharmacy research*, 7(2013), 246-251. Science direct citation link: <http://dx.doi.org/10.1016/j.jopr.2013.02.027>
14. Bioanalytical method development and validation of Rizatriptan in human plasma using LC-MS/MS method, *International Journal of Chemical and Analytical Science*, 4 (2013), 108-114. Science direct citation link: <http://dx.doi.org/10.1016/j.ijcas.2013.03.009>
15. Stability indicating assay method and validation of RP-HPLC method for the estimation of Tamsulosin hydrochloride in capsule dosage form, *the journal of chemical science*, Photon 107 (2013) 200-205
16. Kinetic Spectrophotometric Estimation of Tramadol Hydrochloride in Bulk, Tablet and Capsules Dosage Forms, *Journal of Pharmacy Research*, 2011, 4(10), 3842-3844.
17. Spectrophotometric method for the estimation of zidovudine in bulk, tablet, and capsule dosage forms, *Journal of Pharmacy Research* 2012, 5(7), 3834-3836.

ANALYTICAL INSTRUMENTS HANDLED

List of analytical instruments handled

1. UV-VIS spectrophotometer (Systronics UV-118, Analytical Technologies SPECTRO UV 2060 Plus (Dual Beam) handled by Vision pro software, Shimadzu UV 1800 handled by UV probe).
2. FTIR (Shimadzu IR Spirit handled by LC solutions software, Analytical Technologies FTIR 2202 handled by FTIR software, Perkin Elmer spectrum one handled by Spectrum ES software).
3. HPLC (Waters 2695 separations module and 2996 diode array detector handled by Empower2 software, Shimadzu LC 20AT with SPD-20AD detector handled by Spinchrom and LC solutions software)

4. GC (Gas chromatograph system with FID –Agilent 6890 and Headspace sampler Agilent 7694E handled by Empower2 software).
5. Gel Electrophoresis (Genei)
6. Flame photometer (Systronics 130)
7. Nephelo turbidimeter (Systronics 132)
8. Karl fischer titrator (Metrohm, Titrando 901)
9. Dissolution apparatus.
10. Refractometer
11. Polarimeter
12. Potentiometer (Digisun Electronics & Metrohm)
13. Conductivity meter (Digisun Electronics)
14. Dissolution Apparatus (Electrolab)

GUIDE SHIP/EDITOR SHIP/REVIEWER SHIP

B.Pharm projects guided

- No.of Projects guided: 07
- No.of students guided:33

M.Pharm Projects guided

- No.of Projects guided: 23
- No.of students guided: 23

Journal Editorial/Reviewer membership

1. International Journal of Pharmaceutical Chemistry and Analysis.
2. Current Nanomedicine.
3. Current Chinese science: Analytical chemistry.

OTHER INFORMATION

Professional Training from e-Learning Phenomenexx

MAY 2020 – SEPTEMBER 2020

Trained under e-learning Phenomenex program in various topics like:

1. Peptide purification : Investigation of two step process.
2. Characterization and quantification of therapeutics oligonucleotides.
3. Inside the Lab: Gas chromatography basics.
4. HPLC troubleshooting and care PL & EMEA
5. Phenomenex solutions for sugar and organic acid analysis.
6. Understanding HPLC particle technology.
7. HPLC & LCMS Workflow to characterize covid therapeutics and vaccine development.
8. Inside the Lab: HPLC basics.

Faculty Development Programmes

1. Novel Trends in Biomaterials as Pharmaceutical Ingredients- AICTE Sponsored Staff Development Program, at Sri Padmavathi School of Pharmacy, Tiruchanoor.
2. Understanding Practice School & its concepts in UG Pharmacy education-PCI sponsored CPE webinar conducted by JSSAHER, Mysore.

3. Innovations in Drug delivery systems-One week online FDP conducted by Bapatla College of Pharmacy, Bapatla.
4. Pedagogy and challenges in pharmaceutical research- Two week online FDP conducted by Maharaja college of Pharmacy, Vizianagaram.
5. Creative Research & Innovation in Spectroscopy-One week online FDP conducted by Hindu College of Pharmacy, Guntur.
6. Emerging innovations & insights in pharmaceutical sciences-One week online FDP conducted by V.V.Institute of Pharmaceutical sciences, Gudlavalleru.
7. Innovations & Technology developments in pharmaceutical sciences-One week online FDP conducted by CMR college of Pharmacy, Hyderabad.
8. Nanotechnology in health care-One week online FDP conducted by Sri Vishnu college of pharmacy, Bhimavaram.
9. Emerging trends in pharmaceutical sciences-One week online FDP conducted by Aditya bangalore institute of pharmacy education & research, Bangalore.
10. Pharmaceutical Research & career Development-One week online organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER)-Autonomous, Anantapuramu.
11. ARISE on Latest Trends in Pharmacology, Conducted by Hindu College of Pharmacy, Guntur, AP.
12. Sustainable e-learning Trends in Pharmacy Education & training, organized by DIT University, Faculty of Pharmacy, Dehradun.
13. Research Updates in Pharmaceutical Formulation and Analytical method development, organized by G.Pullareddy College of Pharmacy, Hyderabad.
14. Health Care Professional-One week FDP organized by Srinivasa Rao College of Pharmacy, Vizag, AP.
15. E-Training Program cum Workshop as Series of Labinar on Sophisticated Instruments, Organized by Sagar Institute of Research Technology & Scenes-Pharmacy, Bhopal, India.
16. Pharma Industry Insights : Recent Trends, Innovations and Digitization, Organized by Sant Ganjan Maharaj College of Pharmacy, Kolhapur, Maharashtra.
17. "In Silico Tools for Biopharmaceutics & Virtual Pharmacokinetics", Organized by Seven Hills College of Pharmacy, Tirupati, AP
18. Drug discovery & development, One week FDP organized by Sri Vishnu college of pharmacy, Bhimavaram, AP.
19. The role of pharmacist in health care, One week FDP organized by Sri Vishnu college of pharmacy, Bhimavaram, AP.
20. Innovations in natural Product driven drug discovery and Analytical chemistry, One week FDP organized by Sri Vishnu college of pharmacy, Bhimavaram, AP.
21. Strategies and Advancements in research & development : Strengthening Academicians for Pharmaceutical care, One week FDP organized by Vignan College of Pharmacy, Guntur, AP.

Conferences & workshops

Participated in 125+ national and international conferences, seminars, workshops, TEQIP's and online webinars in which around 20 posters and 5 oral presentations were given.

Professional Body affiliations

- Registered Pharmacist: Andhra Pradesh Pharmacy Council (67054/A1)
- Indian Pharmacy Graduates' Association (IPGA)-Life Member(LM-4903)
- Association of Pharmaceutical Teachers of India (APTI)-Life Member (AP/LM-653)
- Registered faculty member in Pharmacy council of India.
- Registered faculty member in AICTE.

Achievements

1. Ratified as Assistant Professor from JNT University, Anantapur, Andhra Pradesh.
2. Certificate course in Quality Assurance Chemist and Quality Control Chemist-National Skill Development Corporation (NSDC).
3. Appointed as National Testing Agency (NTA) Representative for NEET (UG)-2019 exam.
4. Resource person for Medical Representatives training programmes.
5. Qualified in GPAT-2010 (Qualified in top 10% of total appeared candidates) (Conducted by AICTE).
6. Qualified in NIPER-JEE-2010 (Conducted by NIPER,SAS Nagar, Mohali)
7. Shortlisted in top 2 for the JRF/Ph.D position at Punjab University, Chandigarh.
8. Secured state 9th rank in Assistant Professor Screening test conducted by APSCHE in April 2018.
9. Participated at AICTE sponsored Staff Development Programme-Dec 2012, at Sri Padmavathi School of Pharmacy, Tiruchanoor, AP.
10. Received Utthama Pratibha Puraskar-2012 from "VEDCON" trust, Hyderabad, AP.
11. Received Best Outgoing Student Award-2012 from "Sri Padmavathi School of Pharmacy", Tiruchanoor.AP.
12. Received awards for presenting posters and papers at various conferences.
13. No backlogs or fail in any subject from primary school level to Ph.D. level.

EXTRA-CURRICULAR ACTIVITIES

NTA Representative, National Testing Agency, India

College Academic Committee member, Sri Padmavathi School of Pharmacy

Examination Branch Incharge, Sri Padmavathi School of Pharmacy

NAAC Coordinator, Sri Padmavathi School of Pharmacy

Examiner & Paper evaluator, JNTUA

Indo African International Webinar Series-1

Organizing committee member for the International webinar series.

PharmaGyaan eQuiz

Design, execution and planner for the online quiz conducted in 4 modules.

LANGUAGES

English



Hindi



Telugu



Tamil



Kannada



HOBBIES

Cricket, Music, Trekking, Travel, Tech-savvy

REFERENCES

Prof.C.Sridhar from Sri Padmavathi School of Pharmacy, AP, India

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Prof.K.B.Chandrasekhar from Krishna University,AP, India

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Prof.D.Ranganayakulu from Sri Padmavathi School of Pharmacy, AP, India
spspprinci@gmail.com | +919912342126

Prof.K.K.Rajasekhar from Sri Padmavathi School of Pharmacy, AP, India
komarlakrs@gmail.com | 94413 72531

Prof.V.Shankarananth from Sri Lakshminarayanan College of Pharmacy, Dharmapuri, Tamilnadu
sprema2009@gmail.com | 9553533550

Prof.J.Sundaraseelan from GRT Institute of Pharmaceutical Education and Research, Tiruttani, Tamil Nadu.
sun2see@gmail.com | 9952075450