

## PROFESSIONAL SUMMARY

- Dedicated, resourceful and motivating professional driven to inspire students to pursue academic and personal excellence
- A Ratified Associate Professor through Osmania University, Hyderabad with **over Twenty years of progressive experience** in Pharmaceutical Research and Academics
- Guided over **Twenty Five M. Pharm students** in various research topics from core areas of research; Self-emulsifying drug delivery systems (SEDDS); Solubility Enhancement approaches for BCS Class II Drugs; Mucoadhesive delivery of drugs etc.
- Served as **Academic coordinator** for B Pharm and M Pharm courses
- Successfully handled **NBA, PCI and University Inspections**
- Served as resource person in **Industry Institute Partnership Cell (IIPC)** of previous institution

## EDUCATION & CREDENTIALS

- **Doctoral Of Philosophy (Ph. D)** • 2016 • JNT University, Hyderabad (TS) India  
TITLE: "Preparation and Evaluation of Self – Emulsifying Drug Delivery System for Lipophilic Drugs" under the supervision of **Dr. C.V.S. Subrahmanyam**
- **Master of Pharmacy (Pharmaceutics)** • 2003 • Dr. H.S. Gour University, Sagar (MP) India • **72.89%**  
✓ *Secured 3<sup>rd</sup> rank in the university*  
Undertaken a Major project titled "Novel Approaches in Mucoadhesive Microspheres based Dual Drug Delivery Systems for the Treatment of *Helicobacter Pylori*" under supervision of **Dr. N.K. Jain**
- **Bachelor of Pharmacy** • 2001 • Dr. H.S. Gour University, Sagar (MP) India • **68.7%**
- **Senior Secondary** • 1995 • Vidyalaya Vishwabharti, Sagar (MP), India (MP board) • **79.9%**

✓ *Sagar District Topper*

• **Higher Secondary** • 1993 • Vidyalaya Vishwabharti, Sagar (M.P.), India (MP board) • **88.0%**

✓ *Secured 20th rank in the State Merit List*

## PROFESSIONAL EXPERIENCE

➤ **G. Pulla Reddy College of Pharmacy, Mehdiapatnam, Hyderabad, TS**

➤ ASSOCIATE PROFESSOR – Pharmaceutics                      December 2021 to till date

➤ **School of Pharmacy, Sharda University, Greater Noida, UP**

➤ ASSOCIATE PROFESSOR – Pharmaceutics                      August 2020 – January 2021

➤ **Gokaraju Rangaraju College of Pharmacy, Hyderabad, TS**

➤ ASSOCIATE PROFESSOR – Pharmaceutics                      April 2016 – March 2019

➤ SENIOR ASSISTANT PROFESSOR – Pharmaceutics                      June 2010 – April 2016

➤ ASSISTANT PROFESSOR – Pharmaceutics                      February 2007 – May 2010

➤ **Technocrats Institute of Technology College of Pharmacy, Bhopal, MP**

➤ ASSISTANT PROFESSOR – Pharmaceutics                      April 2004 – Dec 2006

➤ **Mahakaal Institute of Pharmacy, Ujjain, MP**

➤ LECTURER – Pharmaceutics                      June 2003 – March 2004

## PUBLICATIONS

➤ Paper published entitled Development And Characterization of Voriconazole-oxalic Acid Dihydrate Cocrystals For Enhanced Pharmaceutical Performance, Monika Nijhawan, Bhavana Jidige, Rajeswari Aleti, Sailaja Gunnam, **Trapti Saxena, Prospects in Pharmaceutical Sciences, 2024; 22(4), 199-203.**

➤ Paper published entitled Posaconazole-glutaric acid cocrystal tablet with improved Dissolution rate Monika Nijhawan, **Trapti Saxena**, Sadhna Dhyagala, Gunnam Sailaja, Rajeswari Aleti, FABAD Journal of Pharmaceutical Sciences, **17(4): 2024; 1771-1776.**

- Paper published entitled Dipyridamole Cocrystal Tablets with Enhanced Solubility and Dissolution at Intestinal pH, Monika Nijhawan, Sadhna Dhyagala , Gunnam Sailaja, Rajeswari Aleti, Trapti Saxena, Research Journal of Pharmacy and Technology **Vol 49, Issue, 2024; 37-50**
- Paper published entitled "Medical Foods For The Management Of Chronic Illness And Their Regulations In India, Us And European Union", **Saxena T**, Yadala S, Sri AK, Reddy PM, Nijhawan M. International Journal of Drug Regulatory Affairs, 2024, **Volume 18, Issue -3**
- Paper published entitled "Therapeutical potential of Nutraceuticals in the prevention and management of Alzheimer's disease". **Trapti Saxena**, Yadala Sruthi, Pishati Manasa Reddy, Dr Monika Nijhawan, Nutra foods - International Journal on Nutraceuticals, Functional Foods and Novel Foods, 2024, 2, 581-595
- Paper published entitled Selfmicroemulsifying drug delivery System - special emphasis on various surfactants used In SMEDDS. **Trapti Saxena**, Pishati Manasa Reddy, Yadala Sruthi and Monika Nijhawan, International Journal of Pharmaceutical Sciences and Research , 2024, **Volume 16, Issue 2,**
- **Book chapter published entitled**, "PITAVASTATIN CALCIUM: A NOVEL ANTIHYPERLIPIDEMIC DRUG" Chapter 17, Cardiovascular and Respiratory Systems,, **Trapti Saxena**, B Madava Reddy, Sruthi Nagaram, Aditya Prabhala, Mounika Pyalala, Volume 1, Published by Academic Decipher Press Mumbai, ISBN: 978-81-964365-2-0, Page no. 137-145.
- Maariyah Tahseen, Maleeha Masood, Trapti Saxena, Prasanthi D, 'Implementing Root Cause analysis in Pharmaceutical manufacturing', International Journal of Drug Regulatory Affairs, 2023; 11(2): 53-56.
- Maleeha Masood, Trapti Saxena and Maariyah Tahseen, "The Orphan Drug Act: Incentives, Challenges, And Market Trends" International Journal of Pharmaceutical Science and Research (2023), Volume 14, Issue 11.
- Vaishnavi Ramdasi, Lingala Deepthi, Macharam Kaveri, Trapti Saxena, D. Prasanthi, '*Nutraceutical Regulations in India: A Comprehensive Review*' in International Journal of Drug Regulatory Affairs. 2023; 11(3): 80-86

- Monika Nijhawan, Monika Godugu, Trapti Saxena, Talat Farheen, Kanchan Dwivedi, Pharmaceutical co-crystals of posaconazole for improvement of physicochemical properties, *Brazilian Journal of Pharmaceutical Sciences*, 2022;58: e191024
- Paper published entitled "*Development of mucoadhesive microspheres of levofloxacin for the treatment of h. Pylori infection*" in Journal of Drug Delivery & Therapeutics. 2016; 6(1):34-45. Impact factor: 0.675
- Paper published entitled "*A Novel Self Micro-Emulsifying Drug Delivery System (SMEDDS) for Pitavastatin: Development and Evaluation*" in International Journal of Pharmaceutics, 2014, ISSN: 2051-5782, 30(2), 1189-1197. Impact factor: 1.94
- Paper published entitled "*Development and evaluation of self nano-emulsifying drug delivery system (SNEDDS) for bioavailability enhancement of itraconazole*" in International Journal of Pharmaceutics, 2014, ISSN: 2051-5782, 30(1), 1165-1173. Impact factor: 1.94
- Paper published entitled "*Preparation and evaluation of Self – microemulsifying drug delivery system of itraconazole*" in Biochemistry and Pharmacology: Open Access, ISSN: 2167-0501, 2013, 2(4), 77-83.
- Paper communicated entitled "*Formulation and in vivo evaluation of solid self micro-emulsifying drug delivery system of Pitavastatin*" in Asian Journal of Pharmaceutical Sciences. Impact factor: 4.016. **Scopus indexed**
- Paper communicated entitled "*Development and in vivo evaluation of SNEDDS of Itraconazole*" in International Journal of Applied Pharmaceutics. Impact factor: 0.96. **Scopus indexed**
- Paper communicated entitled "*Design of transdermal patches of Granisetron by full factorial design for supportive therapy in cancer patients*" in International Journal of Applied Pharmaceutics. Impact factor: 0.96. **Scopus indexed**
- Paper communicated entitled "*formulation, evaluation and full factorial design based optimization of levofloxacin microspheres for colon targeting*" Indian Journal of Pharmaceutical Sciences. Impact factor: 0.73. **Scopus indexed**
- Paper communicated entitled "*Development and evaluation of Solid SNEDDS of Paliperidone*" in Brazilian Journal of Pharmaceutical Sciences. Impact factor: 0.512. **Scopus indexed**

- Chapter published entitled "*Self Microemulsifying Drug Delivery Systems: For Oral Delivery of Lipophilic Drugs*" in Advancement in Carrier-based Drug Delivery, II Edition. (Woodhead Publishing Series in Biomedicine), 2018, Oxford, UK.
- Paper communicated entitled "Formulation ingredients, Methods and Characterization of Self nanoemulsifying drug delivery systems: A review" in AAPS PharmSciTech. Impact factor: 2.06.

## M.PHARM PROJECT STUDENTS GUIDED

*Guided **twenty** M. Pharmacy Students for their project work from Pharmaceutics and Industrial Pharmacy specialization.*

- Preparation and evaluation of self microemulsifying drug delivery system of *Voriconazole*
- Preparation and *in vivo* evaluation of self-nanoemulsifying drug delivery system of *Itraconazole*
- Development and evaluation of solid self microemulsifying drug delivery system of *Itraconazole* using Maisine.
- Preparation and evaluation of solid self microemulsifying drug delivery system of *Efavirenz*.
- Development and *in vivo* evaluation of solid self microemulsifying drug delivery system of BCS class II antilipidemic drug.
- Solid self microemulsifying drug delivery system of *Pioglitazone*: Preparation and evaluation.
- Preparation and evaluation of solid SMEDDS of *Fenofibrate*.
- Development and characterization of solid self microemulsifying drug delivery system of *Telmisartan*.
- Development and evaluation of mucoadhesive microspheres of Levofloxacin for the treatment of *H. Pylori* infection.
- Preparation and evaluation of solid self microemulsifying drug delivery system of *Simvastatin*.
- Optimization, development and evaluation of transdermal patches for *Granisetron*.
- Gastroretentive mucoadhesive microspheres of *Ranitidine*: Optimization, development and characterization.

- Optimization, development and evaluation of *Levofloxacin* microspheres for colon targeting.

## SUBJECT EXPERTISE

- |                                     |                             |
|-------------------------------------|-----------------------------|
| ✓ Novel drug delivery systems       | ✓ Pharmaceutical technology |
| ✓ Intellectual property rights      | ✓ Cosmetic technology       |
| ✓ Advanced physical pharmaceuticals | ✓ Physical pharmacy         |
| ✓ Regulatory affairs                | ✓ Industrial pharmacy       |
| ✓ Cosmetics & Cosmeceuticals        | ✓ Quality assurance         |

## PROJECTS UNDERTAKEN

- Novel Approaches in Mucoadhesive Microspheres based Dual Drug Delivery Systems for the Treatment of *Helicobacter Pylori* in M. Pharm.
- Novel Approaches in Vaccines in B. Pharm.
- **Vocational Training (six months)** - General study of Production and Quality Control departments of Formulation Division at **IPCA laboratories**, Ratlam, India

## WORKSHOPS AND CONFERENCES

1. Participated as a **resource person** in National Seminar on 'Spring and Parachute Technologies for Oral Bioavailability Enhancement of BCS Class II Drugs' in 2015 at Gokaraju Rangaraju College of Pharmacy, Hyderabad.
2. Participated in technical festival under **Industry Institute Partnership Cell (IIPC)** in 'PharmTechFest-2014' at Gokaraju Rangaraju College of Pharmacy, Hyderabad
3. Presented paper in International Conference 'Pharmacognosy'13' by Omics groups, Hyderabad
4. Presented paper in National Conference 'Pharma Innovate'13', Hyderabad
5. Presented poster in National Conference on Reforms and innovations in pharmacy education towards global standards, RIPE-2012, JNTU, Hyderabad
6. Presented paper in International Conference on "Progress and Advances in Human Health management and Healthcare Reforms- Adicon 2014" at Sagar MP

7. Presented POSTER in 'National seminar 2013' on Drug targeting for therapeutic benefits, Sagar MP
8. Participated in national level workshop on "Hands on Training on Optimization Techniques in Pharmaceutical Formulations" during 24<sup>th</sup> to 26<sup>th</sup> February 2011 at Gokaraju Rangaraju College of Pharmacy, Hyderabad
9. Presented paper in 15<sup>th</sup> Annual National Convention of APTI-2010
10. Attended 54<sup>th</sup> Indian Pharmaceutical Congress (IPC)-2002, Pune, India
11. Attended 52<sup>nd</sup> Indian Pharmaceutical Congress (IPC)-2000, Indore, India
12. Attended 66th Indian Pharmaceutical Congress (IPC)-2015, Hyderabad, India
13. Participated in international conference BioAsia 2017: The Global Business Forum, in February 2017 at Hyderabad International Convention Center, Hyderabad
14. Participated in workshop 'Intellectual Property Rights for Innovative Entrepreneurship' organized by National Institute for Micro, Small and Medium Enterprises (ni-msme) in April 2017 at Hyderabad
15. Participated in PCI sponsored Continuing Education Programme (CEP) in September 2018 at Sultan Ul Uloom College of Pharmacy, Hyderabad.
16. Participated in workshop on the topic "Teacher as an Influencer- Moving from Good to Great" in December 2018 at TASK office, Hyderabad.
17. Attended International webinar entitled 'Smart Multifunctional Nanoparticles in Cancer Theranostic: Progress and Perspective' organized by department of pharmacology, Faculty of Pharmacy, Ramaiah University of Applied Sciences, Bengaluru on 27th May 2023.
18. Attended integrated Seminar on Quality Management Systems (QMS), Regulatory Affairs and Software innovations in Pharmaceutical Industry, at BITS Pilani Hyderabad on 27th February 2023.
19. Attended E-Poster Session as an Evaluator at E- Conference on "Recent Approaches in Herbal drugs / Cosmeceuticals" held on 13th December 2022 at Gokaraju Rangaraju College of Pharmacy, Hyderabad.

20. Attended Seminar on "Application of Carbopol polymers in oral Formulations" organized by Lubrizol Lifesciences and Arihant Innochem on 15th December 2023
21. Participated in One Day Seminar on "Innovations in Pharmaceutical Research -2023 and oral & Poster presentations" organized by G Pulla Reddy College of Pharmacy on 16th December 2023.
22. Participated in One Day Seminar on "Innovations in Pharmaceutical Research -2024 and oral & Poster presentations" organized by G Pulla Reddy College of Pharmacy on 21<sup>st</sup> December 2024.
23. Participated International webinar entitled 'Innovative Multifunctional dressings for accelerated infected wound healing' organized by Society of Pharmaceutical Sciences and Research (SPSR), New Delhi on 14th July 2024.

#### FACULTY DEVELOPMENT PROGRAMS

- Participated in national level workshop on "Hands on Training on Optimization Techniques in Pharmaceutical Formulations" during 24<sup>th</sup> to 26<sup>th</sup> February 2011 at Gokaraju Rangaraju College of Pharmacy, Hyderabad
- Participated in AICTE sponsored faculty development program on "Current Trends in Pharmaceutical Production Development including Regulatory Aspects" in August 2013 at Gokaraju Rangaraju college of Pharmacy
- Attended UGC Sponsored **short term course** on "Formulation and Development of Nano Particles – Application to Pharma Industry" in August 2015 at JNTU, Hyderabad
- Successfully completed **Foundation Program in ICT for Education**, conducted by Indian Institute of Technology (IIT) Mumbai in September 2017.
- Successfully completed **"Pedagogy for Online and Blended Teaching-Learning Process"** conducted by Indian Institute of Technology (IIT) Mumbai in November 2017.
- Participated in PCI sponsored **Continuing Education Programme (CEP)** on 10th to 12<sup>th</sup> September 2018 at Sultan Ul Uloom College of Pharmacy, Hyderabad.



- Participated in FDP on Dec 18<sup>th</sup> & 19<sup>th</sup> December 2018, on the topic, "Teacher as an Influencer" - Moving from Good to Great at TASK office, Hyderabad.
- 5 days FDP (International Webinars) on emerging trends in Pharmaceutical Sciences: Classroom to online on 9<sup>th</sup> to 13<sup>th</sup> June 2020, organized by School of Pharmacy, Sharda University, UP
- 5 Days FDP on Outcome- based Learning from 16<sup>th</sup> to 20<sup>th</sup> September, 2020 at Sharda University, UP
- Attended online FDP on "*Designing Course Outcomes and Outcome focused Questions*" conducted on Nov 4<sup>th</sup> 2022 by InPods India Private Limited, Pune.
- Attended online FDP/webinar on "IP and Youth: Innovation for better future" on April 26<sup>th</sup> 2022 conducted by Dr Anindya Sircar organised by Turnip.co.in.
- Attended "One Week Online National FDP / SDP – 1 on Recent Trends in Pharmaceutical Innovation and Research." conducted by Shri Vishnu College of Pharmacy, Bhimavaram, 20<sup>th</sup> to 24<sup>th</sup> November 2023.
- Attended "One Week Online National FDP / SDP – 3 Recent Trends in Medical Technology Innovation and Pharmaceuticals." conducted by Shri Vishnu College of Pharmacy, Bhimavaram, 8<sup>th</sup> to 12<sup>th</sup> January 2024.

## PRESENTATIONS

1. Presented paper in 15<sup>th</sup> Annual National Convention of APTI-2010
2. Presented poster in national conference RIPE-2012 organized by Centre for Pharmaceutical Sciences JNTU, Hyderabad
3. Presented paper on Self microemulsifying drug delivery system of Itraconazole: preparation and evaluation in national conference "Innovate-13" at Pulla Reddy Institute of Pharmacy Hyderabad
4. Presented paper on Preparation and evaluation of Self – microemulsifying drug delivery system of itraconazole at **International Conference** on Pharmacognosy, phytochemistry and natural products by Omics group, Hyderabad
5. Presented paper on Preparation and evaluation of solid self-microemulsifying drug delivery system of efavirenz at **International Conference** on "Progress and

advances in human health management and healthcare reforms – Adicon 2014” at Sagar MP

6. Presented poster on preparation and evaluation of mucoadhesive microspheres for the treatment of *H pylori* infection in National Seminar on 'Drug Targeting for Therapeutic Benefits' at Sagar MP

## FELLOWSHIPS

- ✓ Awarded **Junior Fellowship by University Grants Commission**, Ministry of Human Resources, Government of India, Sept 2001 - Feb 2003

## MEMBERSHIPS OF NATIONAL SOCIETIES:

- ✓ Lifetime membership for APTI (AP / LM-655)
- ✓ Lifetime Membership Pharmacy council of India (FID No.- GRHLEC000020)

## ACADEMIC ACHIEVEMENTS

- ✓ **Qualified GATE - 2001** examination with 90.13 percentile score
- ✓ **1st prize for best oral presentation** at Pharma Innovate'13, Hyderabad
- ✓ M. Pharm, **3<sup>rd</sup> rank in university**
- ✓ Senior Secondary, 2<sup>nd</sup> rank, Sagar **District Topper**
- ✓ Higher Secondary, 20<sup>th</sup> in the **State Merit List**
- ✓ Member of Recruitment committee, SOP, Sharda University

## PROFESSIONAL ACHIEVEMENTS

- ✓ Served as **Academic coordinator** for B Pharm and M Pharm course in GRCP, Hyderabad (2016-March 2019)
- ✓ **Ratified Associate Professor** through Osmania University, Hyderabad, Telangana
- ✓ **Website in-charge** for college website
- ✓ Resource person in **Industry Institute Partnership Cell (IIPC)**
- ✓ Member of Institutional Development and Monitoring Committee, Member of Anti-ragging Committee, Member of Cultural Committee – GRCP
- ✓ Successfully handled **NBA, PCI and University Inspections**

## PERSONAL PROFILE

- Date of Birth 06<sup>th</sup> September 1977
- Marital status Married
- Languages Known English, Hindi

## REFERENCES

- **Dr. C. V. S. Subrahmanyam**, Principal  
Gokaraju Rangaraju College of Pharmacy, Hyderabad (TS) INDIA  
Tel: +91 9912342112
- **Dr. N. K. Jain**, Director, Rtd.  
Dept. of Pharmaceutical Sciences, Dr. Hari Singh Gour University, Sagar (MP) INDIA  
Tel: +91 7582 264712
- **Dr. G. Dharma Data**, Director (FAC), Rtd.  
Drugs Control Administration, Government of Andhra Pradesh, Hyderabad (TS) INDIA  
Tel: +91 9848057181