

S. Sandhya Rani

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Work:

Asst. professor.

Academic Qualifications:

SL.NO	YEAR	DEGREE/Percentage	UNIVERSITY
1.	2021.	Ph. D.	<ul style="list-style-type: none">Osmania University, Hyderabad, AP, IndiaResearch Advisor: Prof. Shivaraj, UCS, O.U, Hyderabad.Area of research: Pharmaceutical ChemistryTitle: (DESIGN, SYNTHESIS, CHARACTERIZATION, BIOCIDAL SCREENING AND MOLECULAR DOCKING (COX-2 ENZYME) OF NOVEL 1,3-INDANE DIONE DERIVATIVES)
2.	2006-2008	M. Pharm.(66%)	<ul style="list-style-type: none">Sri Padmavati Women University (S. P. M. V. V) Tirupati, AP, India. Research Advisor: Prof. Madhavi, (S. P. M. V.V), Tirupati, AP, Dr. B. Sreedhar, Scientist, IICT, Hyderabad.Area of research: Pharmaceutical Chemistry (Synthesis and evaluation of Beta-Nitrostyrenes as anticancer agents).
3.	2001-2005	B. Pharm	<ul style="list-style-type: none">Nalanda College of Pharmacy, Nalgonda, Osmania University, A.P, India.
4.	1997 – 1999	Intermediate(73%)	<ul style="list-style-type: none">Mitri Jr College, Nalgonda.
5.	1997	S.S.C. (67%)	<ul style="list-style-type: none">V.V.V.M High School, Nalgonda.
6.			<ul style="list-style-type: none">GPAT qualified in 2017

Professional experience:

- Working as Assoc. Professor in Chilkur Balaji College of Pharmacy, Aziz nagar, R. R. dist since 2021 August to till date.
- Worked as an Assoc. professor in Joginpally B.R Pharmacy College, Moinabad, R. R. dt. from December 2017 to sep 2019. (**2 years**)
- Worked as an Assistant professor in Vishnu Institute of Pharmaceutical Education & Research, Narsapur, Medak Dt. from 2nd September 2011 to 25th November 2017. (**6.5 years**)
- Worked as an Assistant professor in Sitha Institute of Pharmaceutical Sciences, Bachupally, Hyd. From June 15th 2011 to September 1st 2011.
- Worked as an Asst. Prof. in Scient institute of pharmacy, Ibrahimpatnam, R. R. dist. From Sep-2008 to June 14th 2011. (**1.5 years**)
- Worked as an Asst. Prof. in Unity college of Pharmacy, Raigiri. Nalgonda. from June 2009- December 2009. (**6months**)
Worked as a lecturer in Nalanda College of Pharmacy, Nalgonda. From 2005 Sep to 2006 July. (**1 year**)

Research Projects:

- Synthesis, various biological activities of Indane dione derivatives.
- Synthesis, biological evaluation of Beta-Nitrostyrenes as anti-cancer agents.
- Floating Drug Delivery system of anti-hypertensive Drugs.

Research Skills:

- Handling of various experiments related to synthetic, natural chemistry.
- Sampling techniques. Formulation in the form of tablets.
- Analysis and interpretation of data by using spectroscopy technique.
- Guided for B. pharm and M. pharm students for the projects in various areas of research.

Strengths:

- Problem solving and decision making capability.
- Strategic thinking, creativity and innovative ability.
- Capable of handling projects independently.
- Sharp, driven with a positive attitude and dedication towards work.

Technical expertise

- UV, IR, HPLC

Theoretical Background from Course-work and Research

- Pharmaceutical Inorganic Chemistry.
- Pharmaceutical Organic Chemistry.
- Chemistry of natural drugs.
- Methods of Volumetric analysis.
- Methods of Spectroscopic analysis.
- Chemotherapy, Mechanism of actions of the drugs.
- Medicinal chemistry related to ANS, CNS drugs.
- Medicinal chemistry related to Antibiotics, anti-cancer, antiviral, anti-protozoan drugs CADD, Q SAR studies.
- Pharmaceutical bio chemistry.
- Performed Examination Observer duties, Attended for spot evaluation upon calls of University.

Quality improvement Programs

1. Participated in a Refresher Course in “Emerging trends in pharmaceutical sciences” conducted by J.N.T.U, Hyderabad by UGC on 22-07-2013-12-08-2013 and obtained Grade-A.
2. Participated in a QIP program conducted by Engineering Staff College of India (ESCI), Hyderabad on Formulation of Research & Development Initiatives for Women Scientists and Technologists during the month of 29th May -1st June for 3 days in 2014.
3. Applications of Advanced Techniques in Pharmaceutical Sciences and Nano technology workshop conducted by CPS, IST, JNTUH, on 17th 18th September 2016.

Scientific Abstracts (Participation & Presentation in Conferences)

4. Participated in a work shop on Pharmacology Experimental Methodology in Sitha institute of Pharmaceutical Sciences by Association of Pharmaceutical Teachers of India conducted on 7th -11th December 2010.
5. Participated in 4th student congress in St. Peters Institute of Pharmaceutical Sciences, Hanamkonda, Warangal, A.P. by Indian Pharmaceutical Association conducted on 18th 19th Feb 2012.

6. Presented a poster on Beta-Nitrostyrenes as anticancer drugs in a seminar conducted by Vishnu Institute of Pharmaceutical Education & Research on Innovative Emerging approaches in Drug Discovery held on 2-3rd march 2012.
7. Presented a poster on Synthesis and evaluation of Indanedione derivatives in the national conference on Reforms and Innovations In Pharmacy Education Towards Global Standards, held at CPS, IST, JNT University, Hyderabad, conducted on 17th-18th August 2012.
8. Participated in a seminar conducted by Vishnu Institute of Pharmaceutical Education & Research as a part of application of QBD & Design of Experiments for The Development of Pharmaceutical Formulations held on 11-12th November 2013.
9. Presented a poster on a Review of floating drug delivery system of antihypertensive drugs in conference CEPER by CPS, JNTUH Hyderabad conducted on 29-30th November 2013.
10. Presented a poster on Synthesis and Evaluation of Beta-Nitrostyrenes as novel antioxidant agents in the scientific poster session of 65th IPC held at amity university, Noida, Delhi from December 20-22nd 2013.
11. Presented a poster on a Formulation, evaluation & optimization of floating drug delivery system of antihypertensive drug losartan in 66th Indian Pharmaceutical Congress Hitex, Hyderabad conducted on 23rd -25th January 2015.
12. presented a poster on a Floating drug delivery system of antihypertensive drugs in conference Reforms and innovations towards Global Standards in CPS, JNTUH, Hyderabad on 13-14th March 2015.
13. presented a poster on Anti-diabetic drugs at Pro Milan conducted by Sri Vishnu College of Pharmacy, Vishnupur, Bhimavaram, A.P. conducted on 19th -20th 2016.
14. Participated in the two-day National Conference TIPS held at CPS, IST, JNT University, Hyderabad on 18th- 19th July 2016.
15. Presented a poster on a Formulation, evaluation & optimization of floating drug delivery system of antihypertensive drug losartan an oral presentation in National students chemical engineering congress, 10-11th SCHEMCON-2016.
16. Participated in the theory and practical sessions of the two-day national level workshop on “applications of advanced analytical techniques in pharmaceutical sciences and nanotechnology” held at CPS and Center for nano science and technology, IST, JNTUH, Hyderabad during 16th- 17th September 2016
17. Participated with a title formulation, evaluation, optimization of floating tablets of anti-hypertensive action, in the one-day national conference on pharmaco economic shift and quality of life- Aushadh-2k17 held at Vishnu institute of pharmaceutical educational research, Narsapur, medak district, TS on 25th march 2017.

18. Participated as delegate in the 9th National student congress held at Vikas institute of pharmaceutical sciences, Rajamundry, A.P, during 2nd and 3rd September 2017.

Software skills:

19. Microsoft word, Excel, PowerPoint.

Additional Academic Qualifications:

- Paper Published on FORMULATION AND EVALUATION OF STABLE FLOATING TABLET OF LOSARTAN POTASSIUM FOR ORAL CONTROLLED DRUG DELIVERY SYSTEM. Sandhya Rani. S*, Ramesh. A, Ramgopal. T. *Journal of Global Trends in Pharmaceutical Sciences*. 5(4)2014, 2253-2260.
- FORMULATION AND OPTIMIZATION OF STABLE FLOATING TABLETS OF LOSARTAN POTASSIUM FOR ORAL CONTROLLED DRUG DELIVERY SYSTEM. S. Sandhya Rani*, A. Ramesh, KVM Krisna. *Journal of Pharmaceutical Sciences and Research*. Vol.7(11), 2015, 946-951.
- DESIGN, SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF NOVEL 1,3-INDANEDIONE DERIVATIVES S. Sandhya Rani*, Shivaraj, Subhashini. *Indo American Journal of Pharmaceutical Sciences*. 05, (03), 2018, 1969-1979.
- SYNTHESIS OF NOVEL 1,3-INDANEDIONE DERIVATIVES, PHARMACOLOGICAL EVALUATION AS ANTIMICROBIAL, ANTIOXIDANT AGENTS. S. Sandhya Rani*, Shivaraj, N.J.P. Subhashini. *International Journal of Pharmaceutical Sciences and Research*. Vol. 10(6), 2019, 2838-2844.

Professional Membership:

➤ Association of Pharmacy Teachers in India (APTI)

Personal Details:

Father Name: S. Janaiah

Date of birth: 8th Feb 1982

Nationality: Indian

Marital Status: Married

By

(Dr. S. Sandhya Rani)

