
Dr. Madhuri Desavathu

Department of Pharmacy, School of Chemical science and Pharmacy, Central University of Rajasthan , INDIA

Email id: madhuridesavathu@curaj.ac.in

Phone no: 8985133852 ,8247067503

Academic Profile:

B.Pharmacy from Bapatla college of Pharmacy affiliated to JNTU Kakinada ,Bapatla, Andhra Pradesh.

M.Pharmacy from University college of Pharmaceutical Sciences, Andhra University, Visakhapatnam, Andhra Pradesh

Ph.D from Acharya Nagarjuna University ,Guntur ,Andhra Pradesh

PG Diploma in Higher education(PGDHE) from IGNOU, New Delhi.

Qualified in GATE 2009

Qualified in NIPER 2009

Teaching Experience :

Current Position : Associate Professor in Department of Pharmacy ,School of Chemical Sciences, Central University of Rajasthan (From 22nd August 2022)

Worked as Assistant Professor in University college of Pharmaceutical Sciences, Acharya Nagarjuna University , Andhra Pradesh (14.08.2012 -16.08.2022)

Areas of Research:

- ✓ Development of drug delivery systems for improved bioavailability of hydrophobic drugs
- ✓ Novel drug delivery systems
- ✓ Self emulsifying drug delivery systems

Subject taught :

- ◆ **B.Pharmacy:** Pharmaceutics -I, Pharmaceutical Microbiology, Pharmaceutical Engineering, Pharmaceutical Jurisprudence, Industrial Pharmacy, Pharmaceutical Biotechnology ,Practice school,Project work

- ◆ **M.Pharmacy (Pharmaceuticals)** - Drug Delivery Systems , Regulatory affairs,Computer aided drug delivery system,Cosmetics and Cosmeceuticals,Pharmaceutical Practical I &II),Journal Club,Project work
- ◆ **M.Pharmacy (Industrial Pharmacy)** - Pharmaceutical Formulation Development, Pharmaceutical Production Technology ,Industrial Pharmacy -I & II Practical,Journal Club,Project work

Publications:

- ✓ Madhuri Desavathu ,A Prameela Rani. Formulation and Evaluation of self emulsifying drug delivery systems of Rosuvastatin Calcium, Asian Journal of Pharmaceutics • Jan-Mar 2021 • 15 (1) | 27
- ✓ Madhuri Desavathu, A Prameela Rani, V.Vara Lakshmi SNEDDS in Shell: A Novel Approach to Enhance the Solubility of Rosuvastatin Calcium. Asian Journal of Pharmaceutics (AJP),Oct-Dec 2020 • 14 (4) | 499
- ✓ Prameelarani A, Desavathu M and Reddy LS: A state of the art review on self emulsifying drug delivery system. Int J Pharm Sci & Res 2020; 11(9): 4244-60. doi: 10.13040/IJPSR.0975-8232.11(9).4244-60.
- ✓ Desavathu M, Raghuvveer P, Sarada P. Insertion of Dual Drugs of Hypertension in Gelatin Pockets for Chrono Pharmacotherapy and its Evaluation by in-vitro and ex-vivo Studies. Indian J of Pharmaceutical Education and Research. 2018;52(4 Suppl 2):s184-s196. ISSN -0019-5464
- ✓ P. Raghuvveer, J. Vanithakamal, D. Madhuri, A. Prameela Rani. Design development and evaluation of self nanoemulsifying drug delivery system of simvastatin, Research J. Pharm. and Tech. 2018; 11(3): 01-04.
- ✓ Desavathu M, Pathuri R, Chunduru M. Design, Development and Characterisation of Valsartan Microsponges by Quasi Emulsion Technique and the Impact of Stirring Rate on Microsponge Formation. J App Pharm Sci, 2017; 7 (01): 193-198. Online ISSN: 2231-3354
- ✓ Pathuri Raghuvveer, A. Prameela Rani, Madhuri Desavathu, A. Sai Chaitanya, G. Srikar. Formulation of Monodisperse Alginate (Micro) Spheres Containing Tenofovir for Extended Release Dosage Form. Research J. Pharm. and Tech. 2017; 10(4): 1070-1076.DOI: 10.5958/0974-360X.2017.00194.9
- ✓ P. Raghuvveer, D. Madhuri and Maddumala Rajeswari. Review on needle free drug delivery system, World journal of pharmacy and pharmaceutical sciences , 2017 Volume 5, Issue 6, 449-465,ISSN 2278 – 4357, DOI: 10.20959/wjpps20166-6838.
- ✓ D. Madhuri, K. Naga Raju, R. China Babu, SD. Baji Ruksana, B. Jyothsna, N. Vamsi Krishna, V. Lakshmi. Design, Development and Evaluation of Dry emulsion of

Cephalexin Monohydrate, Int. J. Pharm. Sci. Rev. Res., 39(2), July – August 2016;
Article No. 50, Pages: 276-280 ISSN 0976 – 044X

- ✓ D. Madhuri, K. Divya, V. Durgaharish, M. Dhanunjayam, K. Syam Kumar. Screening of Adulterants in milk samples of Amaravathi region in Andhra Pradesh. Research J. Pharm. and Tech. 8(12): Dec., 2015; Page 1633-1634. doi: 10.5958/0974-360X.2015.00293.0
- ✓ D.Madhuri, Ch.Mounika , Ch.srujani,B.srilakshmi . Weight loss medications:A Promising Approach for Obesity Management, American Journal of Pharmtech research,2015;vol 5 (4),108-125.
- ✓ Srujani C, Sravanthi B, Madhuri D. Validated UV Spectrophotometric Methods for the Estimation of Aceclofenac in Bulk and Pharmaceutical Formulation. Sch. Acad. J. Pharm. 2014;3(6):471-6.
- ✓ K.P.R. Chowdary, K. Surya Prakasa Rao and D. Madhuri. Formulation and evaluation of etoricoxib tablets employing cyclodextrins, Poloxamer 407 and PVPK30 inclusion complexes”, Int. J.Applied Biology and Pharmaceutical Technology ,volume 2(4)-2011,43-48, ISSN 0976-4550.
- ✓ KPR Chowdary, KSP RAO, D Madhuri. A Factorial Study on the Effects of Cyclodextrins, Poloxamer 407 and PVP on the Solubility and Dissolution Rate of Etoricoxib, Int. J. Chem. Sci, 2011,vol 9(2),672-686.ISSN: 0972-768X
- ✓ D Visagaperumal, N Anbalagan, TVK Kumar, M Krishnanjaneyulu, K Ambika, D Madhuri. Synthesis and antimicrobial activity of some 1, 3, 4-thiadiazoles and 1, 3, 4-thiadiazines of 3-amino-2-mercapto-5, 6, 7, 8 tetrahydrobenzothieno-(2, 4-d) pyrimidine-4 (3H)-one.Int. J.Chem. Sci, 2009,vol 7(4), 2647-2654.ISSN: 0972-768X

Membership of Professional Organisations:

Life member, Association of Pharmaceutical Teachers of India.

Talks :

- Gave a talk in All INDIA RADIO ,Vijayawada station on “ Rakta Danam -Dani Avasyakata” on 09-11-2018
- Invited for a talk on “Mann Ki Baat -Manasulo mata Vislesana Karyakramam” by ALL INDIA RADIO ,Vijayawada station on 29-08-2021

Seminars or Conferences :

- Presented a Poster in UGC Sponsored National Seminar on “ Innovative Technologies in Pharmaceutical Research -Software based Approaches held at University College of Pharmaceutical Sciences,Acharya Nagarjuna University on 25th & 26th February ,2022.
- Presented an poster in UGC Sponsored national seminar on “ Existing and Emerging trends in Animal Toxicity studies and Regulatory Toxicology” held at Acharya Nagarjuna University college of Pharmaceutical Sciences during 30th & 31st March 2021.
- Presented a Paper in International Conference on “Recent Advances in Chemical, Pharmaceutical and Biological sciences” Organised by Department of Chemistry, Acharya Nagarjuna University during 5th to 7th March,2020.
- Presented a Poster at UGC Sponsored International Seminar on “ Advanced Technologies in Pharmaceutics – Past, Present and Future” held at A.N.U College of Pharmaceutical Sciences, Acharya Nagarjuna University on 24th & 25th February 2020.
- Presented a Poster in UGC Sponsored National Conference on “ Multidimensional NMR Spectroscopy and its Software Applications” Organised by Acharya Nagarjuna University college of Pharmaceutical Sciences on 17th & 18th March 2020.
- Presented an Oral Presentation in DHR-ICMR Sponsored National seminar on “Newer Diagnostic modalities and Therapeutics in cancer” held on 20th & 21st June,2019 at Nirmala College of Pharmacy, Mangalgi.
- Presented a Poster in National Seminar on “3D printing of Pharmaceuticals – An emerging Pharmaceutical Technology” Organised by Department of Pharmaceutics, Hindu College of Pharmacy on 23rd February 2018.
- Presented a paper at UGC-SAP-DRS sponsored International seminar on “ADVANCES IN PLANT AND MICROBE RESEARCH” held at ACHARYA NAGARJUNA UNIVERSITY during 6th-8th JANUARY ,2016 Organised by Department of Botany and Microbiology.
- Presented a paper in International conference on “ENVIRONMENTAL CONSERVATION AND HUMAN HEALTH - CHALLENGES AND STRATEGIES” held at Sri Venkateswara University, Tirupathi during 21st-23rd December ,2016 Organised by Department of Zoology.
- Presented a paper at IPA sponsored national seminar on INNOVATION IN PHARMACY SCIENCES, PRACTICE AND RESEARCH held at M.A.M college of PHARMACY COLLEGE, Narasaraopeta during 7th – 8th November, 2015.

- Presented a paper at 1st INDO GULF CONFERENCE ON CURRENT DEVELOPMENT IN NOVEL DRUG DELIVERY SYSTEM held at A.S.N.PHARMACY COLLEGE,, Tenali during 8th August 2015.
- Presented a paper at UGC sponsored national seminar ON “NUTRITIONAL CHALLENGES FOR PSYCHOSOMATIC STRESSED WOMEN ” held at ACHARYA NAGARJUNA UNIVERSITY during 4th-5th FEBRUARY, 2015 Organised by Department of Food and Nutritional sciences.
- Presented a paper at UGC–DST sponsored national seminar on “TRENDYS IN BIOCHEMISTRY” held at ACHARYA NAGARJUNA UNIVERSITY during 17th-18th october ,2014 Organised by Department of Biochemistry, ANU and University of Hyderabad.
- Presented a paper at one day national seminar on “CURRENT TRENDS IN PHARMACEUTICAL RESEARCH” held at SIMS COLLEGE OF PHARMACY on 18th october ,2014.
- Presented a paper at UGC–SERO ,Hyderabad in collaboration with AndhraPradesh Pollution control board, APCOST sponsored national seminar on “IMPACT OF TOXIC METALS,MINERALS AND SOLVENTS LEADING TO ENVIRONMENTAL POLLUTION” held at Govt college for women (Autonomous) during 17th-18th october ,2014
- Presented a paper at APSCHE Sponsored national seminar on “BENEFITS AND APPLICATIONS OF MULTI DIMENSIONAL TECHNIQUES IN PHARMACEUTICAL ARENA-FOCUS ON CURRENT RESEARCH” held at Hindu college of Pharmacy during 18th-20th October ,2014
- Presented a paper in Genomics-2013 National Seminar on “DRY EMULSIONS” held at Acharya Nagarjuna University College of Pharmaceutical Sciences on 13th and 14th April, 2013.
- Presented a paper on “SOLUBILITY ENHANCEMENTS TECHNIQUES” in APSCHE Sponsored National Seminar on “Drug Regulatory Affairs and Quality Assurance” held at Acharya Nagarjuna University College of Pharmaceutical Sciences on 8th February, 2013.
- Presented a paper on “PAEDIATRIC FORMULATIONS” in UGC Sponsored National Seminar on “Innovative Research and Development in Pharmaceutical Sciences- Current Scenario and New Horizons” organised by Acharya Nagarjuna University College of Pharmaceutical Sciences on 9th and 10th Nov, 2012.

Workshop:

- Attended a four day MHRD, Govt. of India, STEM Teacher Training workshop on “Research based Pedagogical Tools” on 28th September – 1st October 2018 Organized by British council, Centre of Excellence in science and Mathematics Education ,IISER Pune at Jaipur, Rajasthan.
- Participated in the Pharmacy council of India, New Delhi sponsored Continuing Education Programme on Advances in Teaching and learning in Pharmacy Education Organised by Hindu college of Pharmacy, Guntur during 10th -12th August 2018.
- Attended a workshop on “Software Applications in Quality by Design (Qbd) & Clinical data management (CDM)” ,Organised by Nirmala College of Pharmacy,Mangalgi on 16th December ,2017.
- Participated in Two days training Programme for Nominees of CPCSEA organised by the Committee for the purpose of Control of Supervision of Experiments on Animals ,Ministry of Environment ,Forest and Climate Change, Govt of India ,conducted from 06.12.2017 to 07.12.2017.
- Participated in 3rd Indo-Gulf Conference on “ Recent Breakthroughs in nanotechnology and Nanomedicine” organised by APP Andhra Pradesh State Branch in collaboration with APP Analchem Division at A.M Reddy memorial college of Pharmacy, Narasaraopet, Andhra Pradesh on August 5th ,2017.
- Participated in DBT ,Govt of India Funded workshop on Research based Pedagogical Tools held from 19th to 21st July 2017 at Chalapathi institute of Pharmaceutical sciences, Guntur organised by Indian Institute of Science Education and Research (IISER) Pune.
- Participated in Two day workshop on “Preparation of SSR for Assessment and Accreditation” Organised by Dean, college Development Council ,Acharya Nagarjuna university Guntur during 26th -27th September 2016.
- Participated in national workshop sponsored by Science and Engineering Research Board (SERB) ,DST on “In-Silico design and discovery of drugs” held at A.M.Reddy Memorial college of Pharmacy,Narasaraopet during 19th -20th November 2016.
- Attended a UGC Sponsored National workshop on “Manuscript Preparation for Publications in the Indexed Journals”, organised by Department of Zoology and Aquaculture, Acharya Nagarjuna University during 4th -8th January 2016.
- Attended a workshop on “Employment oppurtunities and required skills for Pharma Professionals” ,Organised by the centre for HRD and College of Pharmaceutical sciences,ANU on 27th February,2015.

- Attended a UGC Sponsored National workshop on Intellectual Property Rights and Patent Filing, organised by ANU college of pharmaceutical sciences during 25th -26th March 2015.
- Participated in 2nd State level Annual Convention of POWER held at Chalapathi institute of Pharmaceutical sciences , Guntur during 3rd & 4th July 2015.
- Participated in two days national workshop on “Experimental pharmacological Techniques” sponsored by CPCSEA- MINISTRY OF ENVIRONMENT & FORESTS, GOVT.OF INDIA held at Acharya Nagarjuna University college of Pharmaceutical Sciences on 28th & 29th April 2014.
- Participated in the UGC sponsored Two days National workshop on “Role of Modern Instrumentation Techniques in Current Concepts of Pharmaceutical sciences” held at Acharya Nagarjuna University college of Pharmaceutical Sciences on 14th &15th March 2014.
- Participated in UGC Sponsored Two days National Workshop on “E-Content Development” jointly organized by the Dept. of Commerce & Business Administration and Centre for Distance Education held at Acharya Nagarjuna University on 14th & 15th , February 2014.

Refresher course/Short term training Programme/Faculty Development programme

- Participated in UGC sponsored Interdisciplinary Refresher course in Pharmaceutical Sciences organised by UGC-Academic Staff College, Andhra University during 22-12-2014 to 11-01-2015.
- Attended a 10 Day MHRD, Govt. of India, GIAN Course on “Designing and Developing Flipped Classroom e-Learning Instruction for Engineering and Science Education” on 9th May – 18th May 2016 Organized by Centre for Educational Technology , NIT WARANGAL.
- Participated in Short term training Programme through ICT mode on “Outcome based education and Accreditation” Organised by National Institute of Technical Teachers Training and Research ,Kolkata during 24.09.2018 to 28.09.2018.
- Participated in One week faculty development Programme on “ Developing Teaching Competencies in Teachers of Higher education ” Organised by Teaching Learning Centre ,National Institute of Technology,Warangal during 13th -19th may 2017.
- Participated in One week faculty development Programme for Women faculty on “Student -Centred Teaching methods and strategies in Higher education ” Organised by Teaching Learning Centre ,National Institute of Technology,Warangal during 3rd - 8th June, 2019.

Other activities

- Acted as Mentor for Two months Summer research training Programme (SRTP) organised by CSIR- North East Institute of Science and Technology (NEIST), Jorhat, Assam during June to August 2020
- As a Nominee for CPCSEA, Ministry of Environment, Forest and Climate change, Govt of India.
- Observer for NTA(JEE) Exams, AP State EAMCET Exam
- Chairperson, Co-Chairperson and Organising Committee member in UGC Sponsored seminars and ATAL Workshop
- Question Paper Setter for JNTU K, Andhra University
- Guest faculty for MBA (Hospital Administration)