

Dr. NAGARAJ BANALA
Associate. Professor
M.Pharm, Ph.D (Kakatiya University)



Pharmaceutics
Pharmaceutical technology

Teaching and research Experience about 20Yrs

- Worked as contractual lecturer at University College of Pharm.Sci. Kakatiya University, Warangal from Jan 2002 to July 2004.
- Worked as Lecturer at SRR college of Pharmacy, Valbhapur, Karimnagar from August 2004 to August 2005
- Worked as Assistant Professor at SR college of Pharmacy Ananthasagar, Hasanparthy, Warangal from Sep 2005 to Dec 2006.
- Working in the present capacity since Jan 2007.

Subjects Taught:

UG: Dispensing and General Pharmacy, Pharmaceutical Engineering, Cosmetic Technology, Physical Pharmacy, Pharmaceutical Dosage form Technology,

PG: Quality assurance, NDDS-I, Regulatory affairs, Equipment validation.

- Author/co-author of 24 research papers.
- Participated and presented 15 research paper in conferences
- Worked as Joint director, Pharmacy hostel, KU. 19th March 2008- to 18th March 2010
- Presently Joint director, Pharmacy hostel, KU. 2021 September onwards
- Guided 32 M.Pharm Students

Research areas of interest: Development of Novel drug delivery systems.

Papers Published.

1. Vijaya Kumar B, Nagaraj B, Agaiah B, Rambhau D, (2008) Design and In vitro evaluation of Chrono modulated theophylline tablets. *S. J. Pharm.Sci* 1(1&2) 25-28
2. Vijaya Kumar B, Nagaraj B, Agaiah B, Rambhau D (2009) *In vitro* and *in vivo* evaluation of Chrono modulated drug delivery systems of Diltiazem *J. Pharmacy Research* 2(2), 254-262,.
3. R.Harish Chandra, M.Raj Kumar, S.Sujatha, B. Nagaraj, C.Veeresham (2010) An insight into herb - drug interactions, *Int J Pharm Sci Nanotech* 2(4) 689-706. (ISSN 0974-3278)
4. Donthi Mahipalreddy, Dudhipala Narendar, Komalla Devendhar, Suram Dinesh, Sanda Sai Kiran and Banala Nagaraj (2015) Preparation and Evaluation of Ketoprofen Enteric Coated Mini Tablets for Prevention of Chronic Inflammatory Disease. *J Pharm Drug Deliv Res* 4:2. (ISSN: 2325-9604)

5. Donthi MR, Dudhipala NR, Komalla DR, Suram D, Banala N (2015) Preparation and Evaluation of Fixed Combination of Ketoprofen Enteric Coated and Famotidine Floating Mini Tablets by Single Unit Encapsulation System. *J Bioequiv Availab* 7: 279-283. (ISSN: 0975-0851)
6. Banala N, Donthi MR, Dudipala NR, Komalla DR, Suram D, et al. (2015) Design and Evaluation of Floating Multi Unit Mini Tablets (MUMTS) Muco Adhesive Drug Delivery System of Famotidine to Treat Upper Gastro Intestinal Ulcers. *J Pharmacovigil* 3: 179. (ISSN 2329-6887)
7. D. Narendar, N. Arjun, K. Sunitha, K. Harika, B. Nagaraj (2016) Development of Osmotically Controlled Oral Drug Delivery Systems of Tramadol Hydrochloride: Effect of Formulation Variables on *In Vitro* Release Kinetics. *Asian Journal of Pharmaceutics*. 10 (3) | S333 (ISSN 1998-409X)
8. R. Rajitha, D. Narendar, N. Arjun, D. Mahipal and B. Nagaraj (2016) Colon Delivery of Naproxen: Preparation, Characterization and Clinical Evaluation in Healthy Volunteers *Int J Pharm Sci Nanotech* 9(4) 3383-3389 (ISSN 0974-3278)
9. Arjun N, Narendar D, Sunitha K, Harika K, Nagaraj B. (2016) Development, evaluation, and influence of formulation and process variables on in vitro performance of oral elementary osmotic device of atenolol. *Int J Pharma Investig*;6:238-46 (ISSN 0975-8232)
10. Keerthi Donoju, Narendar Dudhipala, Nagaraj Banala Design and Evaluation of Gastro Retentive Floating Multi Unit Dosage Form of Valacyclovir Hydrochloride *Sch. Acad. J. Pharm.*, 2017; 6(7): 304-310 (ISSN 2320-4206)
11. Himabindu Peddapalli, Krishna Mohan Chinnala, Nagaraj Banala. Design and *in vitro* characterization of mucoadhesive buccal patches of duloxetine hydrochloride. *Int J Pharm Pharm Sci* 2017;9(2):52-59.(ISSN 0975-1491)
12. Narendar Dudhipala, Greeshma Ellaboina, Mahipal Donthi and Nagaraj Banala Preparation, in vitro and in vivo evaluation of Floating-bioadhesive tablets of Baclofen using natural gums *International Journal of Current Research* 2017; 9(9):57303-57309 (ISSN 0975-833X)
13. T Alekya, D Narendar, D Mahipal, N Arjun, B Nagaraj Design and Evaluation of Chronomodulated Drug Delivery of Tramadol Hydrochloride *Drug research*; 2018: 68, 174-180 (ISSN 2194-9379)
14. Nagaraj B, Veeresham C Effect of Ashwagandha on pharmacokinetic and pharmacodynamic parameters of glimepiride in streptozotocin-induced diabetic rats *Asian j pharm clin res*, 2018;11(4): 207-210 (ISSN 2455-3891)
15. Himabindu P, Narendar D, Krishna Mohan C, Nagaraj B Transmucosal Delivery of Duloxetine Hydrochloride for Prolonged Release: Preparation, *in vitro*, *ex vivo* Characterization and *in vitro-ex vivo* Correlation *Int J Pharm Sci Nanotech* 2018 11(5) 4289-4258 (ISSN 0974-3278)
16. Nagaraj B Formulation and Evaluation of Stomach Specific *in-situ* Gel of Urapidil Hydrochloride *Int J Pharm Biol Sci*. 2019: 9 (1): 1431-1439 (ISSN 2230-7605)

17. Narendar Dudhipala , Riyaz Phasha Mohammed , Ahmed Adel Ali Yousef, Nagaraj Banala Effect of lipid and edge activator concentration on development of aceclofenac-loaded transfersomes gel for transdermal application: *in vitro* and *ex vivo* skin permeation, *Drug Development and Industrial Pharmacy* 2020: 46:8, 1334-1344, DOI: 10.1080/03639045.2020.1788069 (IF: 2.365)
18. Spandana B, Shashidher B, Dinesh S, Nagaraj B Eletriptan hydrobromide Orodispersible tablets: Design, Development and In vitro characterization *Research J. Pharm. and Tech.* 2020:13(11): 5339-5344 (ISSN 0974-360X)
19. Narendar Dudhipala , Ahmed Adel Ali Youssef , Nagaraj Banala Colloidal lipid nanodispersion enriched hydrogel of antifungal agent for management of fungal infections: Comparative in-vitro, *ex-vivo* and *in-vivo* evaluation for oral and topical application. *Chemistry and Physics of Lipids* 2020: 233, 104981 (IF : 2.094)
20. P. Sushma, K. Anusha, D. Narendar and B. Nagaraj Formulation and Evaluation of Microemulsion-based Transdermal Delivery of Duloxetine Hydrochloride . *Int J Pharm Sci Nanotech* 2020: 13(1), 4773-4781. (ISSN 0974-3278)
21. Cernam Tirumalesh, Dinesh Suram, Narendar Dudhipala, Nagaraj Banala Enhanced Pharmacokinetic Activity of Zotepine via Nanostructured Lipid Carrier System in Wistar Rats for Oral Application. *Pharm Nanotechnol* . 2020;8(2):148-160. doi: 10.2174/2211738508666200225113359 (ISSN 2211-7393)
22. B. Nagaraj, C. Tirumalesh, S. Dinesh and D. Narendar Zotepine loaded lipid nanoparticles for oral delivery: development, characterization, and in vivo pharmacokinetic studies *Future Journal of Pharmaceutical Sciences* (2020) 6:37 (ISSN2314-7253)
23. Keshoju Akhila, Suram Dinesh and Banala Nagaraj Improved in vitro Release and ex vivo Permeation of Zotepine as Microemulsion Gel Formulation through Transdermal Application *Int J Pharm Sci Nanotech* 2021: 14(1), 5343-5352. (ISSN 0974-3278)
24. Nagaraj B, Tirumalesh C, Dinesh S, Narendar D Design, development and in vivo pharmacokinetic evaluation of zotepine loaded solid lipid nanoparticles for enhanced oral bioavailability. *Acta Pharmaceutica Scientia*. 2021: 59(3), 385-404 (ISSN1307-2080)

List of papers presented

1. Design and characterization of Duloxetine hydrochloride cocrystals for enhancement of dissolution rate. Presented at UGC sponsored national seminar on “Recent Challenges in Chemical Research” held at Department of Chemistry, Kakatiya University, Warangal during 6-7th April 2018. (National)
2. Formulation and in vitro evaluation of Tamsulosin hydrochloride prolonged release capsules. Presented at National seminar on “Contemporary Advances in Pharmaceutical Research, Therapeutics & Health Outcomes” held at Jayamukhi College of Pharmacy, Narsampet, Warangal during 16-17th November, 2018. (National)
3. Effect of Ashwagandha on pharmacokinetic parameters of Phenytoin in epileptic rats. presented at Telangana State Science Congress (TSSC-2018) organized by TAS in association with NIT-Warangal held at Warangal during 22-24th December 2018. (National)
4. Design and formulation of modified release multiparticulate drug delivery systems of Urapdil hydrochloride. Presented at National conference on Drug Innovations and Discoveries: Inquisitive Technologies (DISIT-2K19) held at UCPSc, Palamuru University, Mahabubnagar during 19-20th July 2019. (National)
5. Preparation, solid state characterization and in vitro evaluation of Nabumetone cocrystals for enhancement of solubility and dissolution rate. Presented at 2nd Pharmaceutical Sciences Congress-2019 held at St.Peter’s Institute of Pharmaceutical Sciences, Warangal during 1-2nd November 2019. (National)
6. Effect of Ashwagandha pretreatment on pharmacokinetic and pharmacodynamic parameters of Metformin in diabetic rats. Presented at APP 5th INDO-US conference held at Pathfinder Institute of Pharmacy Education and Research, Warangal during 3-4th December 2019. (International)
7. Formulation and evaluation of Aceclofenac loaded transferosomal gel for transdermal delivery. Presented at 71st Indian Pharmaceutical Congress 2019 held at Sri Ramachandra Institute of Higher Education and Research (DU) Chennai, during 20-22nd December 2019. (International)
8. Design and evaluation of liquisolid compact systems containing Paliperidone for dissolution enhancement. Presented at 4th International conference on Innovations in Pharma Industry, Education and Research at school of Pharmacy Anurag group of Institutions Hyderabad during 27th and 28th Feb 2020.
9. Design and evaluation of Zotepine loaded nanostructured lipid carrier systems for oral application in Rats. Presented at International conference on drug discovery held at BITS Pilani Hyderabad. During 29th Feb to 2nd March 2020.