

## BIO DATA



Dr. G. UMA RANI, M. Pharm, Ph.D.

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Currently working as Associate Professor in RBVRR Women College of Pharmacy, Barkatpura, Hyderabad. Total 16 years of teaching experience. Life member of APTI, 19 research and review papers published in national and international level, 10 papers presented in various national and international levels conferences, attended more than 27 Conferences and seminars, guided 18 PG students and 12 UG students

Research Areas of interest are gastro retentive technologies for targeting drugs in stomach, herbal drug delivery system, and nasal drug delivery systems.

### ACADEMICS:

Qualification	Board/University	Year of study	Marks
SSC	S.S.K.A.H. School, Bhadrachalam.	1998	76.5%
INTERMEDIATE	LittleFlowers Junior College, Bhadrachalam	2000	80%
B. PHARMACY	Nalanda College of Pharmacy, Nalgonda	2004	68.5
M.PHARMACY	Sri Padmavathi Mahila university, Tirupathi.	2007	75%
PhD	Sri Padmavathi Mahila University, Tirupathi.	2019	Awarded

- Ph.D. in Pharmaceutics from Institute of pharmaceutical technology, Sri Padmavathi Mahila University, Tirupati titled “Design and evaluation of Gastro retentive drug delivery systems containing selected drugs”
- GATE Percentile: 90.69
- Projects guided PG students :18, UG students -16
- Industrial experience: M Pharmacy project work done at Dr. Reddy’s laboratories on following work entitled “Preformulation studies on Palonosetron hydrochloride injection and on Phospholipids used for Nano emulsion” in cyto lab, NCE –IPDO, Dr. Reddys Laboratories ltd. Bachupally, Hyderabad, under esteemed guidance of Chandra Sekhar, Associate Director, Oncology, and Dr. R. Nagaraju, professor, Spmvv, Tirupati
- Undergone Industrial training for 45 days in S.R Drugs private Ltd, in Patancheru Hyderabad as part of Pharmacy curriculum

**Patents Grant:**

**Granted an Indian patent on “Non-Effervescent sustain release floating Micorbaloons of ziprasidone and method there of” patent No .456387 on 03-10-2023**

**Patents published**

1. Filed for an Indian patent title” Formulation and evaluation of nonaqueous nasal solution of atorvastatin calcium” published on 03.09.2021 application number:202141038764A
2. Filed for an Indian patent on non-effervescent sustain release floating Micorbaloons of ziprasidone and method there of published on 27.05.2022, application no.202241029486

**Books published:**

Artificial intelligence vol.2 ISBN no: 978-93-5570-893-9, Contributed chapter on Drug Discovery and Drug Development with Artificial Intelligence 85-111,(*Dr. Narender Boggula, S. Raja Shekhar, Marati Kavitha, Aravinda Nalla and Dr. G. Umarani.*

*Served as Scientific Evaluator in 73<sup>rd</sup> IPC held at Hitech city*

**Publications**

1. Uma Rani G, K.Lavanya , Review on nanosuspension drug delivery system, JETIR March 2024, Volume 11, Issue 3 (UGC approved )
2. G. Uma Rani1, K. Rajini ,Insitu Gel Drug Delivery System-An Overall Review International Journal of All Research Education and Scientific Methods ISSN: 2455-6211, Volume 12, Issue 3, March-2024,
3. Formulation and Evaluation of Novel Antibacterial Tooth Powder, Asian Journal of Pharmaceutics • Oct-Dec 2023 • 17 (4) | 827(web of science)
4. Methods of Extraction of Cellulose from Bio Waste of Banana Plant and Applications: A Review, Asian Journal of Pharmaceutics • Oct-Dec 2023 • 17 (4) 2 (web of science)
5. Asma Begum, Uma Rani et al . Formulation And Evaluation of Floating Drug Delivery System of Repaglinide, , Asian J Pharm Clin Res, Vol 16, Issue 6, 2023, 84-87
6. Natural gums used in the preparation of Floating drug delivery system, International journal of Pharmatech and research, vol 15- 2022

7. Formulation and evaluation of polyherbal hair oil, IJARESM, vol 9 issue 10, October 2021(UGC Approved)
8. Monoclonal antibodies, a recent advance in covid 19 therapy, IJARESM, vol 9 issue 9 sep-2021 (UGC Approved)
9. General review on Hantaviruses IJIRT Volume 8, Issue 4 sep-2021(UGC Approved)
10. Lisinopril, a review, international journal of pharmaceutical research and applications, vol 6, issue 2 Apr 2021
11. Transferosomes a review international journal of multidisciplinary educational research , vol 10,issue 4apr 2021(UGC Approved)
12. Genetheraphy, a recent advance in covid 19, European journal of pharmaceutical and medical research, vol 8, issue 5,2021(web of science)
13. Development of herbal niosomes for wound healing, IJPSR, vol12, issue7,2021(web of science)
14. Development of nasal drug delivery system of atorvastatin calcium for enhancing bioavailability, IJPSR, vol 12, issue 10,2021(web of science)
15. Review of herbal niosomes", International journal of science & engineering development research vol.5, issue 3, page no.83 - 87, march-2020
16. Review of herbal paste for wound healing, IJPRA, vol 5 issue 2,2020
17. Over view of traditional herbal remedies for primary health care, IJRPC 2019, 9(4), 215-225-
18. Development and characterization of gastro retentive in situ gel of ziprasidone hydrochloride, *Int. J. Cur. Tren. Pharm. Res.*, 2018, 6(5) SJIF rank -6.143, ISSN 23213760
19. Formulation and evaluation of repaglinide insitu gel", international journal of current trends in pharmaceutical research, 2018, 6(3):82-89
20. "Development of odt of atorvastatin calcium  $\beta$  cyclodextrin complex, ind0-american journal of pharmaceutical research, vol6, issue 12 ,2016

21. "Formulation and evaluation of floating microballoons of repaglinide, World journal of pharmaceutical research vol 5 issue 9,2016
22. Studies on pharmacodynamic drug interactions between sitagliptin and emtricitabine in normal and diabetic rats, Int.j.pharm.sci.rev,res .3691 Jan feb2016(scopus indexed)
23. "A review on approaches of floating microballoons" "in World journal of pharmaceutical research, vol 4, issue12,2015
24. "Effect of emtricitabine on pharmacokinetics of sitagliptin in diabetic rabbits", international journal of pharmacy and technology dec 2015, vol 7, issue 3 (scopus indexed)
25. "Over view of co processed excipients used to improve tableting performance " Journal of advanced drug delivery vol 1, issue 6,2014

FDP:

1. Participated in FDP on Innovative Strategies in Drug Discovery and therapeutics organized by Rbvrrwomens college of pharmacy 22-27 april 2024
2. Online NEP 2020 Orientation & Sensitization Programme" under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by MMTTC, Osmania University, Hyderabad, Telangana from 19.03.2024 to 28.03.2024.
3. A FiveDay Faculty Development Programme (eFDP) On "PHARMACEUTICAL INNOVATIONS & PROTECTION STRATEGIES" 18 – 22, July 2023 Jointly Organized by Seven Hills College of Pharmacy (Autonomous), Tirupati & Csir – Institute of Minerals & Materials Technology, Bhubaneswar, India
4. Undergone Innovation Ambassador training (Foundation Level) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.
5. Participated in AICTE sponsored faculty development Programme organized by JNTU Anantapur from 15.03.21 to 20.03.2021

6. participated international faculty development programme on emerging trends in pharmaceutical research organized by Dy Patil institute of pharmaceutical sciences and research, Pune 20<sup>th</sup> February to 15<sup>th</sup> May 2021
7. Completed 15 weeks 4 credit course on “Academic writing” conducted by Swayam, MHRD July-October 2019. Dept. of Pharmaceutical Sciences, H.N.B Garhwal University, Uttarakhand
8. Completed 4 credit course on “Industrial pharmacy-I” conducted by Swayam, MHRD July-Oct 2019 Dept. of Pharmaceutical Sciences, H.N.B Garhwal University, Uttarakhand
9. Four-week national level online faculty development programme on ‘Effective use of ICT tools in modern teaching and learning’ organized by modern college of pharmacy in Association with APTI 7<sup>th</sup> June to 8<sup>th</sup> July.
10. One-Week National Level e-Faculty Development Programme on “Redefining the Role of Educator in Covid-19 Outbreak Era” Jointly organized by Gujarat Technological University, Ahmedabad and Anand Pharmacy college, Anand, Gujarat during May 11-16, 2020
11. Completed one -week FDP in advance in phytomedicine organized by Anurag group of institutes, Hyderabad. 29.04.2019 to 04.05.2019
12. Participated in 3-day workshop on “Introduction to Pharmacokinetics in academic settings” Basic Concepts and PK Analysis using Phoenix win nonlin software on 6<sup>th</sup>, 7<sup>th</sup>, 13<sup>th</sup> July 2012 at GPRCP, HYD

#### Presentations

1. Participated and presented a paper on ENHANCEMENT OF SOLUBILITY OF POORLY WATER-SOLUBLE DRUG BY DIFFERENT TECHNIQUES in NIPER PHARMACON 2023 on 14<sup>th</sup> to 16<sup>th</sup> Sep 2023
2. Participated and presented a paper on overview of temperature sensitive liposomes at Dravyak -19, by Geetanjali College of pharmacy, Hyderabad on 13 to 14<sup>th</sup> Nov 2019

3. Participated and presented a paper at Annamacharya College of pharmacy, national seminar on innovations in pharmaceutical education and research on 5<sup>th</sup> February 2019.
4. Participated and presented a paper in DST sponsored national conference under curie project on recent trends in Transitional Research at Sri Padmavathi Mahila university, Tirupati 28<sup>th</sup> and 29<sup>th</sup> June 2018.
5. Participated and presented a paper at 66<sup>th</sup> IPC 23<sup>rd</sup> to 25<sup>th</sup> January 2015 at Hitech city, Hyderabad
6. Participated and presented a paper at IPT CON 2015, 4<sup>th</sup> and 5<sup>th</sup> February 2015 at Tirupati. (Got consolation) DEVELOPMENT OF CANDASARTAN CILEXITIL ORODISPERSIBLE TABLETS BY USING NATURAL SUPER DISINTEGRANTS
7. Presented and participated a paper in national symposium on frontiers in drug discovery & delivery ON REVIEW ON POLYMERS USED IN FLOATING MICROSPHERES at Sri Padmavathi Mahila University, Tirupati on 14-15<sup>th</sup> February 2014
8. Presented and participated a paper in the APAS Golden Jubilee Science Congress, IICT, November 13-15, 2014 at IICT, Hyderabad
9. Participated and presented a paper in the national symposium at University College of Technology, Osmania University on 27<sup>th</sup> December 2013
10. Presented a paper at IPTCON-2012, Floating microspheres as drug delivery: a special emphasis on microballoons Sri Padmavathi Mahila University, Tirupati on 5<sup>th</sup> and 6<sup>th</sup> October 2012
11. Participated and presented a paper entitled "PAT in sterile product manufacturing" In Pharmakon 2007 held at AU college of pharmaceutical sciences. AU during 9<sup>th</sup> and 10<sup>th</sup> Jan 2007. Vishakapatnam.

## Participations

1. Participated in symposium "Advances in the Natural Products Research for the Treatment of Infectious Diseases and Metabolic Disorders" organized by National Institute of Pharmaceutical Education and Research (NIPER) Hyderabad from 18th to 19<sup>th</sup> November 2022
2. Participated in IIC regional meet held on 12 august 2022 at Srinidhi institute of Technology, Hyderabad, Telangana
3. Taken pledge on Rastriya Ekta Divas (National Unity Day) to foster and reinforce our dedication to preserve and strengthen unity, integrity & security of our nation on the Birth Anniversary of Sardar Vallabhbhai Patel.
4. Participated in international hybrid workshop on integrating pharma education and research in developmental therapeutics at RBVRR Women's College of Pharmacy in association with APTI 21-26<sup>th</sup> march2022
5. Participated in national webinar on effervescent formulations – a lesser explored NDDS held on 27 November 2021 organized by All India Drugs Controller Officers confederation training academy
6. Participated in national webinar on 'OTC drug regulations overview of global practices & way forward India, 9<sup>th</sup> October 2021 conducted by all India drug control officers of India
7. Faculty Awareness Program on NAAC Accreditation” Organized by RD's Shri Chhatrapati Shivajiraj College of Engineering, Dhangawadi, Pune-412206 conducted online during the period of 10/05/2020 to 15/05/2020
8. Pharmaceutical Sciences” held at RBVRR Women's College of Pharmacy during 27<sup>th</sup>-31<sup>st</sup> January2020



9. Attended Webinar on “Inevitable Disruption & Preventable Chaos on Apr 29, 2020 conducted by JSSH AHER Ooty
10. National Webinar on Safe Disposal of Expired and unused Medicine’ organized by Society of Pharmaceutical Sciences and Research (SPSR) in association with ISF College of Pharmacy, Moga, Punjab, India on 21st May2020.
11. Understanding practice school &its concept in ug education organized by IPA in association with Rajiv Gandhi university of health sciences Bengaluru and JSS academy of higher education and research Mysore on 23<sup>rd</sup> may2020
12. "Need of E-Learning for Changing Pharma World– Concepts, Trends & Tools" Organized by Association of Registered Pharmacists, sponsored by Divine International Pharmacy, Gwalior, MP held on May 17th, 2020
13. Attended the India First Leadership Talk webinar broadcasted on 2 nd May, 2020by MHRD’s Innovation Cell
14. Attended Leadership Talk with Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer MHRD Innovation Cell, Saturday, 16th May 2020 at 01.00 PM by MHRD's Innovation Cell
15. Leadership talks with Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design) held on 6th Jun by MHRD's Innovation Cell
16. Human Genome Project in Drug Discovery and Development from 30-8-19 to 31-8-19RBVRRWCOP, HYD
17. ICT Innovations for Quality Enhancement in Higher Education from 6-8 March 2020 at RBVRR Womens college of Pharmacy, Hyderabad
18. Pharmaceutical Education & Research Challenges for Emerging Prospects &trends” PERCEPT-2020, OU from 13-3-20 to14-3-20

19. Participated in 3<sup>rd</sup> international conference on innovations in pharmaceutical sciences (ICIPS) 3<sup>rd</sup>&4<sup>th</sup> august 2018 at Guru Nanak institutions technical campus, Hyderabad
20. Participated in a two day national conference on Nanomedicines and innovations in Pharma industry, 23<sup>rd</sup> and 24<sup>th</sup> February 2018, at St.Pauls college of Pharmacy, Hyderabad.
21. Participated in 2<sup>nd</sup> international conference on innovations in pharmaceutical sciences 28<sup>th</sup>&29 July 2017 at Guru Nanak institutions technical campus, Hyderabad
22. Participated in one day National seminar on Computational chemistry in drug design 1st September 2017 at RBVRR Women's college of Pharmacy, Hyderabad
23. Participated in one day National seminar on genomics in drug discovery 8<sup>th</sup> feb2018 at RBVRR Women's college of Pharmacy, Hyderabad
24. Participated in one day National seminar on Hyphenated techniques in pharmaceutical research on 17 February 2017at RBVRR Women's college of Pharmacy, Hyderabad
25. Participated in International symposium on pharmacogenomics and Pharmacoeconomics in healthcare system on 26 July 2016 at RBVRR Women's college of Pharmacy, Hyderabad
26. Participated as Delegate one day workshop on emerging trends in pharmaceutical sciences on 9<sup>th</sup> July 2016 at NIPER Hyderabad, Telangana.
27. Participated in Indo global healthcare summit & expo 2015 on july23- 26,2015, Hyderabad
28. Participated two-day workshop on "personalized medicine approaches in drug discovery and development" at RBVRR Women's college of Pharmacy, Barkatpura, Hyderabad during 9&10 july2015

29. Third Indo US Conference on Nano Technology and medicine challenges, future opportunities on 26<sup>th</sup> Sep, 2015 at RBVRR Women's College of Pharmacy.
30. Participated in seminar on "Spectro Analytical Techniques" at Department of Chemistry at RBVRR Women's College, Narayanaguda, Hyderabad 28 the February & 1<sup>st</sup> march 2013
31. Participated in the one day faculty development programme on "effective methods of teaching for pharmacy faculty" at Institute of Public Enterprises, Osmania university, Hyderabad on 16<sup>th</sup> September 2012
32. Participated two-day workshop on "Recent advances in pharmaceuticals" organized at RBVRR Women's college of Pharmacy, Barkatpura, Hyderabad during 8<sup>th</sup> and 9<sup>th</sup> April 2011
33. Participated in the 2<sup>nd</sup> Pharmacy @ India symposium on 3<sup>rd</sup> and 4<sup>th</sup> September 2011 at NIPER, Hyderabad, India

#### Corporate contribution

- Working as program committee coordinator in RBVRRWOMENS college of pharmacy
- Working as anti-ragging committee member till date in RBVRRWCOP
- In charge for student co-curricular, extracurricular activities for accreditation works for three years (part of NBA&NAAC criteria 3)
- Dealing with NAAC 6 criteria till date
- Coordinator for women empowerment entrepreneurship committee in RBVRR Women's college of Pharmacy (conducted 3 webinars)
- Mentor for final year students (2020 passed out batch) (30 no) and current first years (25 no), motivated students to improve marks.
- Student Awareness regarding outside college conferences and seminars NBA criteria 8.
- Student final year seminars organizing, allotment of guides and subjects, timetable, schedules, format preparation, circular generation...compilation of grades (2015-2020).

- G-pat lectures were taken in pharmaceutical engineering and biopharmaceutics subject and questioner prepared, PGCET questioner is prepared for college

Personal Details:

Father's Name	: G.Venkanna
Mother's Name	: Smt.G.Vijaya
Spouse name	: Dr.G.Anand
Date of Birth	: 18-06-1983
Sex	: Female
Nationality /Religion	: Indian/Hindu
Marital Status	: Married
Languages Known	: English, Telugu & Hindi

(Dr.G.UmaRani)