

FACULTY DETAILS

- I. **Name:** Dr. T. Mamatha
- II. **Designation:** Professor
- III. **Date of Joining:** 27/03/2003
- IV. **Date of Birth:** 23/11/1974
- V. **Email Id:** tmamatha12@gmail.com



VI. **Educational Qualification:**

1. **Bachelor of Pharmacy:** Kakatiya University, 1997

2. **Master of Pharmacy:** Kakatiya University, 2000

Specialization: Pharmaceutics

3. **Ph.D.:** JNTUH, Hyderabad, 2011

Title of Ph.D. thesis: “Design and Evaluation of Transdermal Drug Delivery Systems”

VII. **International Publications:** 10

1. Anitha N, Yusra Shakeel, **Mamatha T.** Biosimilars: Current Scenario and Challenges in India, Acta Pharm. Sci. 2018; 56(1), 7-20.
2. **T. Mamatha**, M. Sama, Husna K Qureshi. Development and evaluation of mesalamine-glutamine cocrystal tablets for colon specific delivery. International Journal of Pharmaceutical Sciences and Nanotechnology. 2017; 10(5), 3866-3874.
3. **Mamatha T**, Jamal Sameen, Anitha Nandagopal Formulation Development and Characterization of Oxcarbazepine Microemulsion for Intranasal Delivery Acta Pharm. Sci. 2017; 55(2), 79-94.
4. Muhsina Taskeen, **Mamatha T***, Husna. K Qureshi Biorelevant and Quality Control Dissolution Method Development and Validation of Quetiapine Fumarate Tablets Acta Pharm. Sci. 2017; 55(1), 21-37.
5. Yasmeen, **T. Mamatha***, Md. Zubair, Sana Begum and Tayyaba Muneera. Various Emerging Trends in Insulin Drug Delivery Systems, British Journal of Pharmaceutical Research, 2015; 5(5): 294-308
6. **T. Mamatha**, Md. Zubair, N. Sarah Nasreen and Md. Ahmeduddin. Formulation and Evaluation of Oro dispersible Tablets of Fosinopril Sodium. Dhaka Univ. J. Pharm. Sci. 2015; 14(1): 11-16.
7. **Mamatha T**, Venkateswara Rao J, Mukkanti K, Ramesh G. Development of matrix type transdermal patches of lercanidipine hydrochloride. Physicochemical and in vitro characterization. DARU Journal of Pharmaceutical Sciences 2010; 18(1): 9-16.

8. **Mamatha T**, Venkateswara Rao J, Mukkanti K, Ramesh G. Transdermal therapeutic system of isradipine: effect of hydrophilic and hydrophobic matrix on in vitro and ex vivo characteristics. Archives of Pharmacal Research 2010; 33(7): 1025-1033.
9. **Mamatha T**, Venkateswara Rao J, Mukkanti K, Ramesh G. Matrix type transdermal drug delivery system of trandolapril - in vitro and ex vivo characterization. PDA Journal of Pharmaceutical Science and Technology 2010; 64(1): 44-53.
10. **Mamatha T**, Sunitha S, Prabakar K, Madhusudan Rao Y, Kishan V. Preparation and evaluation of antibiotic drug immunoconjugates. International Journal of Pharmaceutical Sciences and Nanotechnology 2008; 1(2): 160-166.

VIII. National Publications: 33

1. **Mamatha Tirunagari**, Nagadivya Nerella, Anupama Koneru, Abdul Nazeem Baig, Afiya Begum Formulation and Evaluation of Medicated Lipstick using Natural Coloring Agent. Research Journal of Topical and Cosmetic Sciences, 2020; 11(01), 20-23.
2. Anasul Haq, Sushma Ailaboyina, **Mamatha T**, an overview on formulations and their evaluation of esomeparozle – a Proton pump inhibitor. Ind Res J Pharm & Sci, 2019; 6 (3), 1966-74.
3. **T. Mamatha**, Anupama Koneru, Shaila Masood. "Work-life balance from a woman's perspective" APTI - Women's Forum, Volume 5, Issue 1, January-April, 2018.
4. **Mamatha T**, Anupama Koneru, Mohd Abdul Hadi, Husna Kawal Qureshi. Formulation and Evaluation of extended release tablets of an antidepressant drug, Venlafaxine HCl. International Journal of Research in Pharmaceutical Sciences., 2018; 9(4), 1966-74.
5. **T. Mamatha**, Health concerns of women in India, APTI - Women's Forum, Volume 4, Issue 6, 2017.
6. **T. Mamatha**, Sana Kazmi. Garlic: An Updated Review on Multipotential Medicinal Applications, J. Pharm. Sci. & Res. 2017; 9(10), 1874-1881.
7. **T. Mamatha**, Nazia Sultana. Enhancement of the Dissolution Rate of Nateglinide Tablets using Liquisolid Compact Technique. Asian J Pharm Clin Res, 2017; 10(10), 241-247.
8. Ruhina Tanweer, **T. Mamatha**. A Novel RP HPLC Method for Development and Validation of Cilnidipine In Bulk and Pharmaceutical Dosage Form Asian Journal of Pharmaceutical Technology & Innovation, 2017; 05 (14), 72 -81.
9. Salma Begum, **T. Mamatha**, Rubina Kauser, Farhana Shaheen, Airaj Mahajabeen. Formulation and evaluation of microemulsion based gel system for the transdermal delivery of isradipine. International Journal of Chemistry and Pharmaceutical Sciences. 2017; 5(4), 98-102.
10. **Mamatha.T**, Naseha, Anitha. N, Husna K. Qureshi Development of Nevirapine Tablets by Direct Compression Method Using Solid Dispersion Technique. Journal of Pharmaceutical Research. 2017; 16(1), 72-79.
11. N. Anitha, **T. Mamatha**, J. Raghuram, Waseem Maheen Evaluation of Medication Errors in an Acute Multi Care Unit in a Tertiary Care Hospital. Journal of Pharmaceutical Research. 2016; 15(3), 86-90.

12. **T. Mamatha**, Taha Minhaj Fatima, N. Anitha. Solid Dispersion as an Approach for Dissolution Enhancement of Poorly Water Soluble Drug Ritonavir. *International Journal of PharmTech Research*. 2016; 9(8), 154-165.
13. N. Anitha, G. Kalyan Chandra, **T. Mamatha**. Study of pharmacokinetic and pharmacodynamic drug-drug interaction between rosuvastatin and glimepiride in normal rabbits. *World Journal of Pharmacy and Pharmaceutical Sciences*. 4(01), 2015; 1218-1230.
14. Urooj Fatima, **T. Mamatha**, G. Rajesh. A novel RP-HPLC method development and validation of Cobicistat in bulk drug and tablet dosage form. *Der Pharmacia Sinica*, 2014; 5(5):99-105.
15. Yasmeen, **T. Mamatha**, G. Rajesh. A novel RP-HPLC method development and validation of Perindopril Erbumine in bulk drug and tablet dosage form. *Der Pharmacia Sinica*, 2014; 5(5):91-98.
16. **T. Mamatha**, Syed Ahmed, N. Anitha. Development, Formulation and Evaluation of Atomoxetine Oral Films *Int. J. Drug Dev. & Res.*, April - June 2014; 6 (2): 46-51.
17. Muhsina Taskeen, **T. Mamatha***. Biorelevant and quality control dissolution method Development and validation of candesartan cilexetil tablets *Journal of Global Pharma Technology*. 2014; 6(7): 01-07
18. N. Anitha, **T. Mamatha**, E. Thirumalai Rajan, G. Mrudula, Parveen Sultana. Analytical Method Development and Method Validation for the Estimation of Irbesartan in Tablet Dosage Form by HPLC Method. *Am. J. PharmTech Res*. 2014; 4(4), 469-482.
19. N. Anitha, **T. Mamatha**, G. Mrudula. Screening of antiulcer activity of lacidipine in experimentally induced ulcer models in rats. *International Journal of Pharmacy Education and Research*. Apr-Jun 2014; 1(2): 28-32.
20. **T. Mamatha**, Zareena Yasmeen, N. Anitha Dissolution method development and validation for combination of meloxicam and paracetamol tablets. *International Journal of Pharmacy Education and Research* Apr-Jun 2014; 1(2): 74-80.
21. **Mamatha T**, Venkateswara Rao J, Anitha N. Development and physicochemical, in vitro and in vivo evaluation of transdermal patches of zaleplon. *Indian Journal of Pharmaceutical Education and Research*. 2013; 47(4): 49-58.
22. Anitha N, **Mamatha T**. Influence of ayurvedic antidiabetic agent on the pharmacodynamics of glimepiride. *World Journal of Pharmaceutical Sciences* 2013; 1(4): 109-112.
23. Heena F, **Mamatha T***, Zareena Y, Venkateswara Rao J. Dissolution method development and validation of tramadol hydrochloride capsules. *Indian Drugs* 2013; 50(8): 47-50.
24. Zareena Y, **Mamatha T***, Heena F. Dissolution method development and validation for combination of ibuprofen and paracetamol tablets. *Asian Journal of Pharmaceutical and Clinical Research* 2013; 6(2); 164-168.
25. Heena F, **Mamatha T***, Zareena Y and Sharmila S. Dissolution method development and validation of paracetamol – aceclofenac tablets. *International Journal of Pharmaceutical and Chemical Sciences* 2013; 2(2): 902-908.
26. **Mamatha T**, Mehveen Naziya; Qureshi, Muneer Fatima. Solubility enhancement of flurbiprofen using different solubilization techniques. *International Journal of Pharmacy and Pharmaceutical Sciences* 2012; 4(4): 97-100.

27. Shaik Nasreen, **Mamatha T***, and Husna Kanwal Qureshi. Qualification of Equipment: saizoner mixer granulator and automatic coating machine (Neocota). *Der Pharmacia Sinica* 2012; 3(5): 561-568.
28. **Mamatha T**, Eshwar C, Venkateshwarlu T, Husna kanwal qureshi. Qualification of high performance liquid chromatography system. *Journal of Pharmacy Research* 2012; 5(7):3626-3629.
29. **Mamatha T**, Raheem MD, Husna Kanwal Qureshi. Qualification of equipment: bin blender and compression machine. *Journal of Drug Delivery and Therapeutics* 2012; 2(3): 159-163.
30. Nishath Fathima, **Mamatha T**, Husna Kanwal Qureshi, Nandagopal A and Venkateswara Rao J. Drug-excipient interaction and its importance in dosage form development. *Journal of Applied Pharmaceutical Science* 2011; 01 (06); 66-71.
31. **Mamatha T**, Raheem MD, Imam Pasha S, Zubair MD. Comparative in vitro evaluation of marketed paracetamol tablets. *Research Journal of Pharmaceutical Dosage Form and Technology* 2009; 1(2): 100-102.
32. **Mamatha T**, Venkateswara Rao J, Mukkanti K, Ramesh G. Transdermal drug delivery system for atomoxetine hydrochloride – in vitro and ex vivo evaluation. *Current Trends in Biotechnology and Pharmacy* 2009; 3(2): 188-196.
33. **Mamatha T**, Venkateswara Rao J, Mallik B, Shagufta A, Shanthi M. Studies to enhance dissolution of lansoprazole. *Indian Pharmacist* 2008; 7(74): 65-70.

VIII. National Conferences: 10

1. First prize winner of the model presentation in the National Conference on Advances, Challenges & Future strategies in the Pharmaceutical Industry and Pharmaceutical Care held on 1st and 2nd February 2019 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
2. Second prize winner of the model presentation in the National Conference on Advances, Challenges & Future strategies in the Pharmaceutical Industry and Pharmaceutical Care held on 1st and 2nd February 2019 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
3. “Old wine in new bottle: Repurposing opportunities for Alzheimer’s disease” in 2nd International conference and exhibition on Bioanalysis, Bioanalytica 2018 organised by ABC Biologics, Hyderabad on 27th April 2018.
4. Second prize winner of the model presentation in One Day National Pharmaquest-Pharmalive & Escapade held on 26th December 2017 at Sultan-ul-uloom college of Pharmacy, Hyderabad.
5. “Atomoxetine Hydrochloride orally disintegrating tablet: Fenugreek extract as a superdisintegrant” in Two-Day national conference on “Recent Advances in Pharmaceutical Industry and Drug development RAPID-2017” held on 21st & 22nd July, 2017 at CPS, JNTU, Hyderabad.
6. “Development and Evaluation of Orally Disintegrating Tablets” in Two-Day International conference on “Pharmaceutical education- Academia Relation to Industry- Current Scenario” held on 17th & 18th March, 2017 at CPS, JNTUH, Hyderabad.

7. “Solid dispersion as an approach...” in the Two-Day National Symposium on “Challenges and Opportunities of Pharmaceutical Research in Education and Industry” sponsored by TSCHE and JNTUH, organized CPS, IST, JNTUH held on 11th & 12th March, 2016.
8. “Formulation Development and Characterisation of Oxcarbazepine microemulsion for Intranasal Delivery” in the national conference on “Drug Discovery & Development Global Scenario-Indian Perspective” held on 20th & 21st November, 2015 at NIPER, Hyderabad.
9. As a Resource person for the UGC sponsored three week refresher course on “Acquiring and improving skills of Drug Designing to achieve the goals of pharmaceutical research” and a delivered a lecture on “**Need of excipients in formulation**” on 25th June 2015 at UGC-Human Resource Development Centre, JNTUH, Hyderabad.
10. “Enhancement of the Dissolution Rate of Nateglinide Tablets using Liquisolid Compact Technique” at national level seminar on Current trends and future avenues in pharmaceutical research & national level quiz, held at Malla Reddy Group of Pharmacy Institutions on 23rd and 24th September, 2013.
11. Formulation and evaluation of orodispersible tablets. Two-day national Conference on Reforms and innovations in pharmacy education towards global standards, 2012, Centre for Pharmaceutical Sciences, IST, JNTUH. Hyderabad
12. “Ingestible Thermometer Pills” in Indo-American Pharmaceutical Regulatory Symposium, held on 18th to 20th October 2012 at Centre for Pharmaceutical Sciences, IST, JNTUH, Hyderabad.

IX. International Conferences: 3

1. “Yoga for Sports Personnel” in International conference on Recent Trends in Fitness, Health & Sports Science held on 1st to 4th August, 2014 at Osmania University, Hyderabad.
2. “Transdermal Drug Delivery System for Atomoxetine Hydrochloride – *In vitro* and *Ex vivo* Evaluation” at 59th Indian Pharmaceutical Congress, 2007 held at Varanasi, India.
3. “Preparation and *In vitro* Evaluation of Antibiotic Drug Immunoconjugates” at 57th Indian Pharmaceutical Congress on 2nd December, 2005 held at Hyderabad, India.

X. Reviewer:

1. Bentham Science Publishers
2. OMICS publishers
3. Sciencedomain International
4. Bioinfo Publications

XI. Chairperson/Judge/Organizing committee (If any):

1. Convener of Institutions’s Innovation Council, MHRD’s Innovation Cell in the year 2018-‘19, 2019-‘20.

2. SPOC (Single Point of Contact) of local chapter, NPTEL, SWAYAM (Study Webs of Active –Learning for Young Aspiring Minds), MHRD, Government of India in the year 2018-‘19, 2019-‘20.
3. SPOC (Single Point of Contact) of Smart India Hackathon 2019, MHRD, Government of India in the year 2018-’19, 2019-‘20.
4. Evaluator/judge of posters in scientific session in the National Conference on Advances, Challenges & Future strategies in the Pharmaceutical Industry and Pharmaceutical Care held on 1st and 2nd February 2019 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
5. Committee member for the National Conference on Advances, Challenges & Future strategies in the Pharmaceutical Industry and Pharmaceutical Care held on 1st and 2nd February 2019 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
6. Co-convener for one day national Pharmaquest - Pharmalive & Escapade held on 16th December 2017 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
7. Committee member for Pharmacy Council of India sponsored Continuing Education Program held on 10th to 12th September, 2018 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
8. Evaluator/judge of posters in scientific session in a Two-day national conference on “Emerging Trends and Innovations in Pharmaceutical Sciences ETIPS-2017” on 12th and 13th October, 2017 organised by CPS, IST, held at Jawaharlal Nehru Technological University, Hyderabad.
9. Evaluator/judge of posters in scientific session in Two-Day national conference on “Recent Advances in Pharmaceutical Industry and Drug development RAPID-2017” held on 21st & 22nd July, 2017 at CPS, JNTU, Hyderabad.
10. Committee member in the National Interdisciplinary Conference (Synchropharma-2017) on Race to Optimise Antibiotic Usage for Better Therapeutic Outcomes held on 4th & 5th March 2017 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
11. Evaluator/judge of posters in scientific session in the Two-Day National Conference on “Trend Setting Innovations in Pharmaceutical Sciences” organized by CPS, IST, and DST-SERB, held on 18th & 19th July, 2016 at CPS, JNTUH, Hyderabad.
12. Committee member for two day national workshop on Basic Clinical Skills for Pharmacy Practice held on 6th & 7th April 2016 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
13. Committee member for one-day national conference on Nanotechnology and Nanoscience in Pharmaceutical Sciences held on 26th & 27th March 2016 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
14. Evaluator/judge of posters in scientific session in the Two-Day National Symposium on “Challenges and Opportunities of Pharmaceutical Research in Education and Industry” sponsored by TSCHE and JNTUH, organized CPS, IST, JNTUH held on 11th & 12th March, 2016.
15. Evaluator/judge of posters in scientific session in the Two day National Conference on Transpiring Novelty and Hi-tech Knowledge in Advanced Research in Pharmaceutical

- Sciences organized by TKR College of Pharmacy held on 29th and 30th December 2015
TKR College of Pharmacy, Hyderabad.
16. Committee member for an International Seminar on “Significance of Provider Status for The Practice of Pharmacy” held on 30th July, 2015 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
 17. Evaluator/judge of posters in scientific session in the two-day national conference on “Reforms and innovations in Pharmacy Education towards Global standards”, organized by CPS, IST and APTI-state branch held on 13th & 14th March, 2015 at JNTUH, Hyderabad.
 18. Evaluator/judge of posters in scientific session in the Two day National Conference on “Global Innovations in Drug Delivery and Health Care” organized by Malla Reddy College of Pharmacy held on 19th and 20th December 2014, Hyderabad.
 19. Committee member for a one-day national symposium on “Pharma Rendezvous for better healthcare” held on 1st March 2014 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
 20. Evaluator/judge of posters in scientific session in three day international 4th annual Indo-American Pharmaceutical Regulatory Symposium, held on 18th to 20th October 2012 at JNTUH, Hyderabad.
 21. Judge in Scientific Session, 4th Annual Indo-American Pharmaceutical Regulatory Symposium, Northeastern University, Boston, USA. JNTUH, India.
 22. Evaluator/judge of posters in scientific session in the National Conference On Recent Trends In Pharmaceutical Sciences, held at Malla Reddy College of Pharmacy on 3rd March, 2012, Hyderabad.

XII. Workshops/FDP (Total number attended & List): 12

1. Elite in NPTEL-AICTE Faculty development programme, Funded by MHRD, Govt. of India – **“Drug Delivery: Principles and Engineering” (12 weeks NPTEL Course/one and half week FDP)**. December, 2019
2. Attended the faculty development program on “3Ps in Lifesciences industry” conducted on 19th August 2019 by TASK (Telangana Academy for Skill and Knowledge), Hyderabad.
3. Participated in the national workshop on “Management of Intellectual Property in Academia-Industry Collaboration” organized by National Research Development Corporation (NRDC), New Delhi and NIPER, Hyderabad on 25th April 2019.
4. Gold medal and Top 2% in NPTEL-AICTE Faculty development programme, Funded by MHRD, Govt. of India – **“Introduction to Cognitive Psychology” (12 weeks NPTEL Course/one and half week FDP)**. May, 2019.
5. Elite in NPTEL-AICTE Faculty development programme, Funded by MHRD, Govt. of India – **“Computer Aided Drug Design” (8 weeks NPTEL Course/one week FDP)**. December, 2018.

6. Elite in NPTEL-AICTE Faculty development programme, Funded by MHRD, Govt. of India – **“Health Research Fundamentals” (8 weeks NPTEL Course/one week FDP).** December, 2018.
7. Attended a one-day workshop on **"First Responder Training on Basic Life Saving Skills"** organized by Continental Hospitals in association with Call Ambulance on 28th November 2016 at Sultan-UI-Uloom College of Pharmacy, Hyderabad.
8. Attended a one-day workshop on **"Emerging trends in Pharmaceutical Sciences"** held on 9th July 2016 at National Institute of Pharmaceutical Education and Research, Hyderabad.
9. Successfully completed UGC HRDC one-week short term course on **“Formulation development of nanoparticles – Application to Pharma Industry”** held on 17-08-2015 to 22-08-2015 at CPS, JNTUH, Hyderabad.
10. Participated in a workshop titled **“Role of Pharmacy in Health Care”** conducted by ASCI (Administrative Staff College of India) on 9th April, 2015.
11. Succeedfully completed in training programme organized by GVK Biosciences under CII Project Pragnya on **“Good Clinical Practices and Good Laboratory Practices”** held on 26th and 27th March, 2014 at Sultan-ul-Uloom College of Pharmacy, Hyderabad.
12. Participated in one day seminar/workshop on teaching skills organized by APTI, A.P. State Branch at Bharat Institute of Pharmacy on 9th September 2005.

XIII. M. Pharm Projects (Total no. of projects): 33

XIV. Patents Published

1. Design patent
Title - Maze
Application number – 309579
2. Process patent
Title-Orally disintegrating tablets of Atomoxetine
Application number – 201941033897
Publication Date: 27-09-2019

XV. Book Chapter:

Author for one chapter: Dermatotoxicology

Book: Toxicology: The Past, Present, and Future of Basic, Clinical and Forensic Medicine. Volume 1., Chapter: Dermatotoxicology, Publisher: Nova Science Publishers, Editors: Rajat Sethi, Chandra Kolli and Delwar Hussain (California Health Sciences University, Clovis, California, USA, pp.pp. 25-44

XVI. Memberships:

1. Life member of Association of Pharmaceutical Teachers of India.
2. Life member of Indian Pharmacological Society.