

Faculty Portofolio

Dr. M.Yasmin Begum

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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2014	PhD in Pharmaceutical Sciences	Faculty of Pharmaceutical Sciences, Jawaharlal Nehru Technological University, Hyderabad, India
2004	M.Pharmacy	Tamilnadu Dr.M.G.R.Medical University/K.M.College of Pharmacy, India
2002	B.Pharmacy	Tamilnadu Dr.M.G.R.Medical University/Ultra College of Pharmacy, India

Professional experience:

Year	Positions	University/College, Country
October 2017-present	Assistant professor, Department of Pharmaceutics	College of Pharmacy, King Khalid University, Abha, KSA
May 2009 – September 2017	Associate Professor & Head of the Department of Pharmaceutics	Malla Reddy College of Pharmacy (affiliated to Osmania University), Hyderabad, India.
July 2006 – April 2009	Assistant professor, Department of Pharmaceutics	Malla Reddy College of Pharmacy (affiliated to Osmania University), Hyderabad, India.
February 2005 – May 2006	Lecturer, Department of Pharmaceutics	Maharaji Educational Trust (affiliated to Tamilnadu Dr.M.G.R.Medical University), India.
February 2004 – February 2005	Lecturer, Department of Pharmaceutics	Annai Veilankanni's College of Pharmacy(affiliated to Tamilnadu Dr.M.G.R.Medical University), India.

Community service activities (Delete the excessive column/this section if necessary)

Year	Positions & Name of the Project	University/Company, Country
9 th November, 2023	Volunteer in a community service on “Discover OTC wonders: Your Journey to wellness begins now”	College of Pharmacy, King Khalid University
20 th March, 2023	Volunteer in a community service on “We care about your medicine” - Campaign	College of Pharmacy, King Khalid University
3-8 September, 2011	Participation in FIP’s 71 st world congress with the theme “Compromising safety and quality: A risky path”	Novotel Hotel convention center, Hyderabad, India
23-24 September, 2014.	Organizing secretary for SPANDAN 2k14 with the theme “Global innovations in drug delivery and health care” (includes oral & poster presentations, blood donation camp, medical camp, etc.)	Malla Reddy College of Pharmacy, Hyderabad, India
19-21 December, 2003	Participation in 55 th Indian Pharmaceutical congress on the theme “Pharmacy medicine management and national health policy”.	Sri Ramachandra Institute of Higher Education & Research, Chennai, India

Academic/research awards: (Delete the excessive column/ this section if necessary)

Year/Duration of Award	Name of the Award	University/Company, Country
30 th March 2022	Promising Researcher Award	Deanship of Scientific Research, King Khalid University
November 2019	Best Research Award for Development of Celecoxib encapsulated Stealth Liposomes: Pharmacokinetics and Bio distribution	6 th International Conference on Pharmaceutical R&D and Biopharmaceutics, Kuala Lumpur, Malaysia
2022	The best poster award in Research Day	College of Pharmacy, King Khalid University
2019	Second place prize for the research project in 6 th scientific research day	College of Pharmacy, King Khalid University
2020	Second place price for the research project in research day	College of Pharmacy, King Khalid University
July 2014	Best teacher award	Malla Reddy College of Pharmacy, Hyderabad, India

Workshops/ Trainings: (Delete the excessive column/ this section if necessary)

Year	Title	University/Company, Country
17th to 19th November 2022	Workshop on Nanocomposite Hydrogels for Biomedical Applications	Nanoscience and Technology Consortium
8 th June, 2021	Faculty Development Program (Focused Workshop) on HPTLC Method Development Trick or Treat? – Learn, Relax and Stress out – Tech Model	Sri Ramachandra University of Higher Education and Research
May 2020	Workshop on A practical guide to Qbd Product development	Association of Pharmaceutical teachers of India.
5 th – 9 th July, 2021	Faculty Development Program on the theme of “Best Practices in Innovation, Entrepreneurship and Intellectual Property Rights in Pharmaceutical Sector: Prospective Trends”	Amity Academic Staff College in Association with Amity Institute of Pharmacy, Amity University Uttar Pradesh, Noida Campus, India.
2 nd to 3 rd July, 2021	workshop on drug development 4.0: Emerging technologies	Krupanidhi College of Pharmacy, Bangalore
September 2005 (Two weeks)	Quality Improvement Program in clinical pharmacy	Kakatiya University, Warangal, India
July 2010 (One week)	One week work shop on Experiments in pharmaceutical Engineering	Osmania University, Hyderabad, India
November 2010 (One week)	UGC sponsored work shop on Capacity building of women managers in higher education	University College of Technology, Osmania University, Hyderabad, India

Research interests:

- Formulation development and evaluation of liposomes.
- Formulation development and evaluation of nanoparticles/nanoparticles based drug delivery system
- Formulation development and evaluation of transdermal drug delivery system.
- Formulation development and evaluation of buccal drug delivery system.
- Self-emulsifying drug delivery system/In-situ gelling system
- Formulation development and evaluation of floating/orally disintegrating tablets.
- Assessing bio distribution and pharmacokinetics of targeted drug delivery system
- Solubility enhancement by solid dispersion/complexation
- Permeability enhancement

Teaching experience:

- Teaching Pharmaceutical calculations and solutions, Solid dosage forms, Physical pharmacy, Industrial pharmacy, Dermatological preparations, Sterile pharmaceutical preparations, Fundamentals of pharmaceutics, Pharmaceutics I and Pharmaceutics II, courses at King Khalid University, 2017- till dae.
- Taught Industrial pharmacy, Advances in drug delivery system, Biopharmaceutics, Pharmaceutics I, Pharmaceutics II and Physical pharmacy courses at Malla Reddy College of pharmacy in India from 2006 to 2017.
- Taught Physical pharmacy and Biopharmaceutics in Maharaji educational trust, India in 2005-2006.
- Taught Pharmaceutics- 1 and Physical pharmacy courses at Annai Veilankanni's College of Pharmacy, India 2004-2005.

Professional membership: (limit to 5)

Year	Name of the professional Body	Role
September 2002 - present	Tamil Nadu State Pharmacy Council, India	Member
2012-present	Association of Pharmaceutical Teachers of India	Member

Research grants: (limit to recent 3-5 grants)

Year/Duration of Grant	Title of the Project	Awarding Body
2023	Development and characterization of targeted nano devices for the treatment of cancer and other diseases - (RGP2/54/44)	Deanship of Scientific Research, King Khalid University
2022	Transmucosal and percutaneous absorption of drugs – A novel approach to conquer all the flaws of the selected drugs - (RGP.2/31/43)	Deanship of Scientific Research, King Khalid University
2021	Formulation and evaluation of stealth liposomes of ketorolac tromethamine (RGP.1/330/42)	Deanship of Scientific Research, King Khalid University
2021	Formulation and evaluation of mucoadhesive buccal film as a precise novel solution for all disputes of selected drugs (GRP/314/42)	Deanship of Scientific Research, King Khalid University

Publications: (Include recent 5-10 publications)

1. **M.Yasmin Begum.** Advanced modeling based on machine learning for evaluation of drug nanoparticle preparation via green technology: Theoretical assessment of solubility variations. Case studies in thermal engineering 2023; 45: 01-09.
2. **M. Yasmin Begum.** Co-loading of doxorubicin and gemcitabine on folic acid functionalized carbon nanotubes; a molecular dynamics simulation study. Journal of Molecular Liquids 2023; 384:01-07.

3. Mohammed Ghazwani, **M. Yasmin Begum**. Machine learning aided drug development: Assessing improvement of drug efficiency by correlation of solubility in supercritical solvent for nanomedicine preparation. *Journal of Molecular Liquids* 2023; 387:01-09.
4. Mohammad Azam Ansari, Rajakumar Govindasamy, **Mohammed Yasmin Begum**, Mohammed Ghazwani, Ali Alqahtani, Mohammad N. Alomary, Yahya F. Jamous, Sami A. Alyahya, Sarah Asiri, Firdos Alam Khan, Munirah A. Almessiere, and Abdulhadi Baykal. Bioinspired ferromagnetic CoFe₂O₄ nanoparticles: Potential pharmaceutical and medical applications. *Nanotechnology Reviews* 2023; 12:01-19.
5. M. Alagusundaram, Nem Kumar Jain, **M. Yasmin Begum**, S. Angala Parameswari, Vinod Kumar Nelson, Mohammad F. Bayan and Balakumar Chandrasekaran. Development and characterization of gel-based buccoadhesive bilayer formulation of nifedipine. *Gels* 2023; 9 (688): 1-17.
6. Anurag Kumar Gautam, Pranesh Kumar, Biswanath Maity, Ganesh Routholla, Balaram Ghosh, Kumarappan Chidambaram, **M. Yasmin Begum**, Adel Al Fatease, P.S. Rajinikanth, Sanjay Singh, Sudipta Saha, and Vijayakumar M. R. Synthesis and appraisal of dalbergin-loaded PLGA nanoparticles modified with galactose against hepatocellular carcinoma: In-vitro, pharmacokinetic, and in-silico studies. *Frontiers in Pharmacology* 2022; 13: 01-18.
7. Mohammad F. Bayan, Saeed M. Marji, Mutaz S. Salem, **M. Yasmin Begum**, Kumarappan Chidambaram, and Balakumar Chandrasekaran. Development of Polymeric-Based Formulation as Potential Smart Colonic Drug Delivery System. *Polymers* 2022, 14, 3697.
8. Neelakandan Tamilarasan, **Begum M. Yasmin**, Posina Anitha, Hani Umme, Wan Hee Cheng, Sellapan Mohan, Sundarapandian Ramkanth, and Ashok Kumar Janakiraman. Box–Behnken Design: Optimization of ProanthocyanidinLoaded Transferosomes as an Effective Therapeutic Approach for Osteoarthritis. *Nanomaterials* 2022, 12, 2954.
9. Sneha Anand, Prashant Pandey, **Mohammed Yasmin Begum**, Kumarappan Chidambaram, Dilip Kumar Arya, Ravi Kr. Gupta, Ruchi Sankhwar, Shweta Jaiswal,, Sunita Thakur and Paruvathanahalli Siddalingam Rajinikanth. Electrospun Biomimetic Multifunctional Nanofibers Loaded with Ferulic Acid for Enhanced Antimicrobial and Wound-Healing Activities in STZ-Induced Diabetic Rats. *Pharmaceuticals* 2022, 15, 302: 01 -22.
10. **M. Yasmin Begum**, Riyaz Ali M. Osmani, Ali Alqahtani, Mohammed Ghazwani, Umme Hani, Hissana Ather, Akhtar Atiya , Mohamed Rahamathulla, Ayesha Siddiqua. Development of stealth liposomal formulation of celecoxib: In vitro and in vivo evaluation. *Plos one* 2022; 01-22.



Conference attendance/presentations: (Include recent 3 presentations)

1. M.Yasmin Begum. Participated in the 10th **World conference on Pharmaceutical Science and Drug Manufacturing** organized by Association of Pharmaceutical Research held on 6th and 7th July 2023.
2. M.Yasmin Begum. Participated in the **International Conference on "Multidisciplinary Roles of Pharmacist From Benchside to Bedside and Beyond"**, conducted on 28 June, 2021 & 29 June, 2021, by School of Pharmacy, Sathyabama Institute of Science and Technology, Chennai, India.
3. M.Yasmin Begum. **Development of Celecoxib encapsulated Stealth Liposomes: Pharmacokinetics and Biodistribution.** 6th International Conference on Pharmaceutical R&D and Biopharmaceutics held **at Kuala Lumpur, Malaysia** on 27th & 28th November 2019.