

## Faculty Portofolio

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### Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
Jan 2016	Ph.D. in Pharmaceutical Sciences	Jawaharlal Nehru Technological University, Hyderabad, India,
May 2005	Master in Pharmacy	Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka. India.
May 2003	Bachelor in Pharmacy	Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka. India.
1995	Diploma in Pharmacy	Bangalore Education Authority, Karnataka Board, Bangalore, Karnataka. India

### Professional experience:

Year	Positions	University/College, Country
August 2022 to till date	Assistant Professor	College of Pharmacy, King Khalid University, Abha, KSA
20 <sup>th</sup> August 2015 - August 2022	Lecturer	College of Pharmacy, King Khalid University, Abha, KSA
15 <sup>th</sup> September 2013- 17 <sup>th</sup> August 2015.	Associate Professor	East West college of Pharmacy, Bangalore, India
24 <sup>th</sup> Oct 2009- 31 <sup>st</sup> August 2013.	Senior Lecturer	Faculty of Pharmacy, Omar Mukhtar University, Al Beida, Libya
23 <sup>rd</sup> Oct 2007-23 <sup>rd</sup> Oct 2009.	Lecturer	Faculty of Pharmacy, Al Arab Medical University, Benghazi, Libya
1 <sup>st</sup> July 2005 to 30 <sup>th</sup> Sept 2007.	Lecturer	Vivekananda College of Pharmacy, Bangalore, India
1 <sup>st</sup> June 2002 -30 <sup>th</sup> April 2003.	Lecturer	H M S college of Pharmacy, Tumakuru, India.

**Academic/research awards:**

<b>Year/Duration of Award</b>	<b>Name of the Award</b>	<b>University/Company, Country</b>
<b>2022</b>	<b>3<sup>rd</sup> Place- Best poster award</b>	<b>King Khalid University , Abha, KSA</b>
<b>2020</b>	<b>1<sup>st</sup> Place- Best Poster award</b>	<b>King Khalid University , Abha, KSA</b>

**Workshops/ Trainings:**

<b>Year</b>	<b>Title</b>	<b>University/Company, Country</b>
2023	Research and Development Day	King Khalid University. Abha, Saudi Arabia
March 2020	Faculty Development Day	King Khalid University. Abha, Saudi Arabia
May-2018.	SPSS analysis	King Khalid University. Abha, Saudi Arabia

**Research interests:**

- **Enhancement of solubility,**
- **Novel drug delivery**
- **Floating Drug delivery system**
- **Nanotechnology**
- **Controlled drug delivery**
- **Cancer**

**Teaching experience:**

- More than 18 years' experience in academic and research in the field of Pharmaceutics
- At present, I am the course coordinator for fundamentals of Pharmaceutical Calculations (PHT 220) and Introduction to Modern Pharmaceutical Technology (PHT 409), taught Modern Pharmaceutical Technology (PHT-510), Pharmaceutics I (PHT 320), Physical Pharmacy (PHT-201), Solid dosage forms (PHT-304), Pharmaceutical calculations and solutions (PHT-202) and Dermatological Preparations (PHT-509), Pharmaceutical Sterile Preparations (PHT-408), Dispensing of Medicine I (431), etc for Bachelor of Pharmacy and Pharm D students, from 2015 to till date, in King Khalid University, Abha, KSA
- Course Coordinator of Biopharmaceutics, Physical Pharmacy, Solid Dosage Forms, Industrial Pharmacy, and Quality Control and Quality Assurance for Bachelor of Pharmacy in Omar

Mukhtar and Al Arab Medical University, Libya

- worked as an Associate professor at East west college of Pharmacy , Bangalore, India

#### Professional membership:

Year	Name of the professional Body	Role
2005 to till date	Karnataka state Pharmacy council	Registered Pharmacist

#### Research grants:

Year/Duration of Grant	Title of the Project	Awarding Body
Duration 2023-24	<b>Researcher PI</b> New drug delivery systems: design, characterization, evaluation or bioinformatic analysis of genes	Deanship of King Khalid University, Abha
Duration 2023-24	<b>Researcher Co-PI</b> An RP HPLC method was developed for the simultaneous quantification of Aloin and aloe Vera in different cosmetic formulations	Deanship of King Khalid University, Abha
Duration 2022-23	<b>Researcher PI</b> , Design, characterization and evaluation of novel drug delivery systems for anticancer drugs/gene bioinformatics analysis	Deanship of King Khalid University, Abha
Duration 2022-23	<b>Researcher Co-PI</b> , Gene bioinformatics analysis	Deanship of King Khalid University, Abha
Duration 2022-23	<b>Researcher Co-PI</b> , General program Entitled Anti-oxidant activity and chromatographic evaluation of biomarkers in arthritis drugs Boswellia serrata3-acetyl -11-keto-(boswellia acid) and 11-keto Commiphora mukul (Boswellic acid )	Deanship of King Khalid University, Abha
Duration 2021-22	<b>Researcher Co-PI</b> , Novel anti-cancer drug delivery system	Deanship of King Khalid University, Abha
2018-19	<b>Researcher Co-PI</b> , Development and evaluation of floating tablet of anti-cancer drug, <b>SAR</b> 50,000	KKU Deanship of Research, Abha

#### Publications:

- Rahamathulla M, Murugesan S, Gowda DV, Alamri AH, Ahmed MM, Osmani RAM, Ramamoorthy S, Veeranna B. The Use of Nanoneedles in Drug Delivery: an Overview of Recent Trends and Applications. AAPS PharmSciTech. 2023 Oct 19;24(8):216. doi: 10.1208/s12249-023-02661-1.

- 2) Sharadha M, Vishal Gupta N, Rahamathulla M, Muqtader Ahmed M, Ayesha Farhana S, Osmani RAM, Veeranna B, Koteshwara KB. Subconjunctival therapy by cubic liquid crystalline nanoparticles to deliver Triamcinolone acetonide for the management of diabetic Retinopathy: In vivo evidences. *Int J Pharm.* 2023 Nov 5;646:123443. doi: 10.1016/j.ijpharm.2023.123443
- 3) Madhusudhan S, Gupta NV, Rahamathulla M, Chidambaram SB, Osmani RAM, Ghazwani M, Ahmed MM, Farhana SA, Sarhan MY, Tousif AH. Subconjunctival Delivery of Sorafenib-Tosylate-Loaded Cubosomes for Facilitated Diabetic Retinopathy Treatment: Formulation Development, Evaluation, Pharmacokinetic and Pharmacodynamic (PKPD) Studies. *Pharmaceutics.* 2023; 15(10):2419. <https://doi.org/10.3390/pharmaceutics15102419>
- 4) Alhamhoom Y, Sharma A, Nanjappa SH, Kumar A, Alshishani A, Ahmed MM, Farhana SA, Rahamathulla M. Development and Evaluation of Solid Dispersion-Based Sublingual Films of Nisoldipine. *Pharmaceutics.* 2023; 16(11):1589. <https://doi.org/10.3390/ph16111589>
- 5) Vishwa J. Kalaria, S. Saisivam, Anas Alshishani, Jameel S. Aljariri Alhesan, Sumit Chakraborty & Mohamed Rahamathulla ) Design and evaluation of *in situ* gel eye drops containing nanoparticles of Gemifloxacin Mesylate, *Drug Delivery*, 2023, 30:1, DOI: [10.1080/10717544.2023.2185180](https://doi.org/10.1080/10717544.2023.2185180)
- 6) Spandana T, Goli VVN, Rahamathulla M, Talath S, Osmani RAM, Ahmed MM, Farhana SA, Hussain SM, Gurupadayya B. Implications of Pharmacokinetic Potentials of Pioglitazone Enantiomers in Rat Plasma Mediated through Glucose Uptake Assay. *Molecules.* 2023; 28(13):4911. <https://doi.org/10.3390/molecules28134911>
- 7) Gowrav MP, Siree KG, Amulya TM, Bharathi MB, Ghazwani M, Alamri A, Alalkami AY, Kumar TMP, Ahmed MM, Rahamathulla M. Novel Rhinological Application of Polylactic Acid—An In Vitro Study. *Polymers.* 2023; 15(11):2521. <https://doi.org/10.3390/polym15112521>

- 8) Alhamhoom Y, Ahmed SS, M. RK, Salahuddin M, D. R. B, Ahmed MM, Farhana SA, Rahamathulla M. Synergistic Antihyperglycemic and Antihyperlipidemic Effect of Polyherbal and Allopolyherbal Formulation. *Pharmaceuticals*. 2023; 16(10):1368. <https://doi.org/10.3390/ph16101368>
- 9) Viswanadhan Vasantha P, Sherafudeen SP, Rahamathulla M, Mathew ST, Murali S, Alshehri S, Shakeel F, Alam P, Sirhan AY, Narayana Iyer BA. Combination of Cellulose Derivatives and Chitosan-Based Polymers to Investigate the Effect of Permeation Enhancers Added to In Situ Nasal Gels for the Controlled Release of Loratadine and Chlorpheniramine. *Polymers*. 2023; 15(5):1206. <https://doi.org/10.3390/polym15051206>
- 10) Dhimmarr B, Pokale R, Rahamathulla M, Hani U, Alshahrani MY, Alshehri S, Shakeel F, Alam P, Osmani RAM, Patil AB. Newfangled Topical Film-Forming Solution for Facilitated Antifungal Therapy: Design, Development, Characterization, and In Vitro Evaluation. *Polymers*. 2023; 15(4):1003. <https://doi.org/10.3390/polym15041003>

**Conference attendance/presentations:**

- 1) Presented a poster presentation on Development and evaluation of Piroxicam solid dispersions via solvent evaporation technique. -13th Annual research Day of Health colleges, King Khalid University, Abha. Kingdom of Saudi Arabia. Accredited by the Saudi Commission for Health Specialties, on 8<sup>th</sup> April 2018.
- 2) Poster presentation of the student research project - Preparation, Physicochemical characterization and Dissolution studies of Irbesartan solid dispersions., Faculty of Pharmacy, KKU, Abha, Saudi Arabia, 4<sup>th</sup> May 2017.
- 3) Presented a poster presentation on Design and development of Losartan potassium pulsatile tablet: invitro and invivo evaluation. The 12<sup>th</sup> Annual Research Day, Health colleges, King Khalid University, Abha, Saudi Arabia 25 April, 2017.