

Faculty Portfolio

Dr. Umme Hani

Assistant Professor
Department of Pharmaceutics
College of Pharmacy
King Khalid University
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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2016	PhD	JSS University, Mysore, Karnataka, India
2010	Masters of Pharmacy (M.Pharm)	JSS University, Mysore, Karnataka, India
2007	Bachelor of Pharmacy (B.Pharm)	Rajiv Gandhi University of Health sciences, Karnataka

Professional experience:

Year	Positions	University/College, Country
February 2017- present	Assistant Professor	Department of Pharmaceutics, College of Pharmacy, King Khalid University, Abha, KSA
December 2015 - 2017	Assistant Professor	Department of Pharmaceutics, Aditya Bangalore Institute of Pharmacy Education and Research, Bangalore, Karnataka, India
January 2012- May 2015	Senior Research Fellow,	JSS College of Pharmacy, Mysore, Karnataka, India
June 2011-Dec 2011	Lecturer	Vivekananda College of Pharmacy, Bangalore, Karnataka, India
April 2010- May 2011	Lecturer	Farooqia College of Pharmacy, Mysore, Karnataka, India.

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

Year/Duration of Award	Name of the Award	University/Company, Country
2022	First Place in Research Excellence award	King Khalid university, Abha, KSA
2021	Best Poster Award	King Khalid university, Abha, KSA
2020	Best faculty Award	King Khalid university, Abha, KSA
2020	Best Poster Award	King Khalid university, Abha, KSA
2018	Best Poster Award	King Khalid university, Abha, KSA
2016	Best Poster Award (APTI-RAKMHSU International Conference)	Ras Al Khaimah, UAE.
2012-2016	Junior and Senior Research Inspire Fellowship	Department of Science and Technology, India
2016	ABIPER sponsorship to attend APTI- RAKMHSU International Conference held at Ras Al Khaimah, UAE	RAK, Dubai

2015	Sipra innovative pharma research award	Hyderabad, India
2015	Awarded ICMR Travel Grant to attend FIP in Dusseldorf, Germany	Frankfurt, Germany
2014	Awarded DST Travel Grant to attend "International Conference on Pharmaceutical, Medical and Environmental Health Sciences (IPharME 2014) at Penang	Penang, Malaysia
2014	Awarded ICMR Travel Grant to attend "Dubai international Pharmaceuticals and Technologies Conference and Exhibition" 2014 held at Dubai	Dubai
2011	Sri KVP Amar Kumar Gold Medal	JSS University, Mysore, Karnataka, India
2011	Jagadguru Sri Shivarathreeshwara Gold Medal	JSS University, Mysore, Karnataka, India
2010	Triveni Pharma Prize	JSS University, Mysore, Karnataka, India
2010	Awarded Ratan Tata Scholarship	JSS University, Mysore, Karnataka, India
2010	JSSCP Prize for obtaining highest marks in M. Pharm First year.	JSS University, Mysore, Karnataka, India
2009	Qualified GATE 2009 organized by IIT (Indian Institute of Technology, Roorkee).	JSS University, Mysore, Karnataka, India
2006	JSSCP Prize for obtaining highest marks in B.Pharm Second year.	JSS University, Mysore, Karnataka, India

Research interests:

- My area of research work represents a link between pharmaceutical formulation development and characterization of novel drug delivery system for the treatment of cancer, and infectious diseases.

Teaching experience:

- Department of Pharmaceutics, College of Pharmacy, King Khalid University, Abha, Kingdom of Saudi Arabia

Assistant Professor

- Physical Pharmacy, Microbiology, Biopharmaceutics, Sterile Pharmaceutical Preparations, Solid Dosage Forms (PHT 304), Pharmaceutics I, Pharmaceutics II, for B.Pharm and Pharm.D students respectively.

- Department of Pharmaceutics, Aditya College of Pharmacy.

Lecturer

Department of Pharmaceutics, Vivekananda college of Pharmacy

Department of Pharmaceutics, Farooqia college of pharmacy

Professional membership: (limit to 5)

Year	Name of the professional Body	Role
(2007 to date)	Karnataka State Pharmacy Council (KSPC)	Registered Pharmacist
(2010 to date)	Association of Pharmacy Teachers of India (APTI)	Member

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

Year/Duration of Grant	Title of the Project	Awarding Body
Duration: 2023-2024.	Researcher PI, Development and evaluation of novel drug delivery systems to enhance the solubility of weakly soluble anti-cancer drugs. King Khalid University deanship research grant, SAR 150000,	King Khalid University
Duration: 2022-2023	Researcher PI, In-situ gelling system comprising cyclodextrin nanosponges for augmented treatment of vulvovaginal candidiasis, alike infections, and Cance. King Khalid University deanship research grant, SAR 150,000.	King Khalid University
Duration: 2021-2022	Researcher PI, Formulation, characterization and evaluations of the novel drug delivery system for an anti-cancer drug. King Khalid University deanship research grant, SAR 100,000.	King Khalid University
Duration: 2020-2021	Researcher PI, Development and evaluation of anti-cancer tablets by gastric floating tablet technology. King Khalid University deanship research grant, SAR 25,000,	King Khalid University

Publications:

1. Sourav Mohanto, Soumya Narayana, Khushboo Paresh Merai b , Jahanvee Ashok Kumar, Adrija Bhunia , **Umme Hani**, Adel Al Fatease, B.H. Jaswanth Gowda, Sagnik Nag, Mohammed Gulzar Ahmed, Karthika Paul, Lalitkumar K. Vora. Advancements in gelatin-based hydrogel systems for biomedical applications: A state-of-the-art review. International Journal of Biological Macromolecules. Volume 253, Part 5, 31 December 2023, 127143.
2. Madhuchandra Kenchegowda , **Umme Hani**, Adel Al Fatease, Nazima Haider, K.V.R.N.S. Ramesh , Sirajunisa Talath, Hosahalli V. Gangadharappa, G. Kiran Raj, Sharath Honganoor Padmanabha, Riyaz Ali M. Osmani. Tiny titans- unravelling the potential of polysaccharides and proteins based dissolving microneedles in drug delivery and theranostics: A comprehensive review. International Journal of Biological Macromolecules. Volume 253, Part 5, 31 December 2023, 127172.

3. **Umme Hani**, B. H. Jaswanth Gowda, Nazima Haider, KVRNS Ramesh, Karthika Paul, Sumel Ashique, Mohammed Gulzar Ahmed, Soumya Narayana, Sourav Mohanto, Prashant Kesharwani. Nanoparticle-Based Approaches for Treatment of Hematological Malignancies: a Comprehensive Review. *AAPS PharmSciTech* (2023) 24:233 <https://doi.org/10.1208/s12249-023-02670-0>.
4. **Umme Hani**,* , B.H. Jaswanth Gowda , Ayesha Siddiqua , Shadma Wahab , Yasmin Begum, P. Sathishbabu, Shazia Usmani, Md Parwez Ahmad. Herbal approach for treatment of cancer using curcumin as an anticancer agent: A review on novel drug delivery systems. *Journal of Molecular Liquids*. Volume 390, Part B, 15 November 2023, 123037.
5. **Umme Hani**. Comprehensive review of polymeric nanocomposite membranes application for water treatment. *Alexandria Engineering Journal*. 2023, 72, 307-321.
6. **Umme Hani**, Hani E. Alosaimi, Bader Huwaimel, Tareq Nafe Alharb, Jowaher Alanaz, Mute Alanaz. Study of Hyoscine solubility in scCO₂: Experimental measurement and thermodynamic modeling. *Journal of Molecular Liquids*. Volume 381, 1 July 2023, 121821.
7. Sharanya Paramshetti , Mohit Angolkar , Adel Al Fatease , Sultan M. Alshahrani, **Umme Hani** , Ankitha Garg, Gundawar Ravi and Riyaz Ali M. Osmani. Revolutionizing Drug Delivery and Therapeutics: The Biomedical Applications of Conductive Polymers and Composites-Based Systems. *Pharmaceutics*. 2023, 15, 1204. <https://doi.org/10.3390/pharmaceutics15041204>.
8. Tabasum Ara , Sabeeha Shafi , Mohammed Ghazwani , Javid Iqbal Mir , Abdul Haseeb Shah , Raies A. Qadri, Abdulrahim R. Hakami, Mohammad Khalid, **Umme Hani** and Shadma Wahab. In Vitro Potent Anticancer, Antifungal, and Antioxidant Efficacy of Walnut (*Juglans regia* L.) Genotypes. *Agronomy* 2023, 13, 1232. <https://doi.org/10.3390/agronomy13051232>.
9. Sonali S. Shinde, Sakeel Ahmed, Jonaid Ahmad Malik, **Umme Hani** , Afreen Khanam , Faisal Ashraf Bhat, Suhail Ahmad Mir, Mohammed Ghazwani, Shadma Wahab, Nazima Haider and Abdulrahman A. Almehezia. Therapeutic Delivery of Tumor Suppressor miRNAs for Breast Cancer Treatment. *Biology* 2023, 12, 467. <https://doi.org/10.3390/biology12030467>.
10. Mohammed Ghazwani , Rajalakshimi Vasudevan, Geetha Kandasamy, **Umme Hani**, Gaddam Niharika, Manusri Naredla, Praveen Devanandan, Ranadheer Chowdary Puvvada, Abdulrahman A. Almehezia , Abdulrahim R. Hakami and Rajeshri Dhurke. Development and In Vitro Characterization of Antibiotic-Loaded Nanocarriers for Dental Delivery. *Molecules* 2023, 28, 2914. <https://doi.org/10.3390/molecules28072914>.
11. **Umme Hani**, Bader Huwaimel, Amal M. Alsubaiyel , Saad M. Alshahrani, Farhan Alshammari , Jowaher Alanazi, Muteb Alanazi, Tareq Nafea Alharby. DFT study of carboplatin encapsulation interactions with carboxylated carbon nanotubes and conjugated to folic acid for targeted nano delivery systems. *Alexandria Engineering Journal* (2023) 71, 501–520.
12. **Umme Hani**, Zainab Ali Bu sinnah , Ahmad J. Obaidullah , Bader Huwaimel, Muteb Alanazi , Tareq Nafea Alharby, Ahmed A. Lahiq, Abdullah Ali Alshehri. Computational intelligence modeling of nanomedicine preparation using advanced processing: Solubility of fludrocortisone acetate in supercritical carbon dioxide. *Case Studies in Thermal Engineering* 45 (2023) 102968.
13. Sharanya Paramshetti, Mohit Angolkar, Adel Al Fatease , Sultan M. Alshahrani , **Umme Hani** , Ankitha Garg , Gundawar Ravi and Riyaz Ali M. Osmani. Revolutionizing Drug Delivery and Therapeutics: The Biomedical Applications of Conductive Polymers and Composites-Based Systems. *Pharmaceutics* 2023, 15, 1204. <https://doi.org/10.3390/pharmaceutics15041204>
14. G. KiranRaj, Ekta Singh, **Umme Hani**, K.V.R.N.S. Ramesh, Sirajunisa Talath, Ankitha Garg, Komal S avadatti, Tanvi Bhatt, K. Madhuchandra, Riyaz Ali M. Osmani. Conductive polymers and composites-based systems: An incipient stride in drug delivery and therapeutics realm. *Journal of Controlled Release*. Volume 355, March 2023, Pages 709-729. <https://doi.org/10.1016/j.jconrel.2023.02.017>.

15. Bingfeng Luo , Tao Yang , Sabrean Farhan Jawa , Hayder Imad Jaba r, Hasan Khalid Dabis , Mohaned Adil , Anfal Nabeel Mustafa , Salema K. Hadraw , Ibrahim Mourad Mohammed, Abdullah Alshetaili, Naseer Mehd i Mohammed, **Umme Hani** , Amal M. Alsubaiyel. Experimental validation and modeling study on th e drug solubility in supercritical solvent: Case study on Exemestane drug. Journal of Molecular Liquids. 23 February 2023, 121517. <https://doi.org/10.1016/j.molliq.2023.121517>.
16. Shoaib Shoaib, Mohammad Azam Ansari, Adel Al Fatease, Awaji Y. Safhi, **Umme Hani**, Roshan Jahan, Mohammad N. Alomary, Mohd Nazam Ansari, Nabeel Ahmed, Shadma Wahab, Wasim Ahmad , Nabih Yusuf and Najmul Islam. Plant-Derived Bioactive Compounds in the Management of Neurodegenerative Disorders: Challenges, Future Directions and Molecular Mechanisms Involved in Neuroprotection. *Pharmaceutics* 2023, 15, 749. <https://doi.org/10.3390/pharmaceutics15030749>.
17. Bhakti Dhimmarr, Rahul Pokale , Mohamed Rahamathulla , **Umme Hani**, Mohammad Y. Alshahrani , Sultan Alshehri , Faiyaz Shakeel, Prawez Alam , Riyaz Ali M. Osmani and Amit B. Patil. Newfangled Topical Film-Forming Solution for Facilitated Antifungal Therapy: Design, Development, Characterization, and In Vitro Evaluation. *Polymers* 2023, 15, 1003. <https://doi.org/10.3390/polym15041003>
18. Nanomaterials-Based Novel Immune Strategies in Clinical Translation for Cancer Therapy Shadma Wahab, Mohammed Ghazwani , **Umme Hani**, Abdulrahim R. Hakami, Abdulrahman A. Almehezia, Wasim Ahmad, Mohammad Zaki Ahmad, Prawez Alam and Sivakumar Annadurai. *Molecules* 2023, 28, 1216. <https://doi.org/10.3390/molecules28031216>
19. Mohammad Akhlaquer Rahman, Abuzer Ali, Mohamed Rahamathulla, Shahana Salam, **Umme Hani**, Shadma Wahab, Musarrat Husain Warsi, Mohammad Yusuf, Amena Ali , Vineet Mittal and Ranjit Kumar Harwansh. Fabrication of Sustained Release Curcumin-Loaded Solid Lipid Nanoparticles (Cur-SLNs) as a Potential Drug Delivery System for the Treatment of Lung Cancer: Optimization of Formulation and In Vitro Biological Evaluation. *Polymers* 2023, 15, 542. <https://doi.org/10.3390/polym15030542>
20. Yahya Alhamhoom, Sandip M. Honmane , **Umme Hani**, Riyaz Ali M. Osmani, Geetha Kandasamy, Rajalakshimi Vasudevan, Sharanya Paramshetti, Ravindra R. Dudhal , Namrata K. Kengar and Manoj S. Charde. Study of Formulation and Process Variables for Optimization of Piroxicam Nanosuspension Using 32 Factorial Design to Improve Solubility and In Vitro Bioavailability. *Polymers* 2023, 15, 483. <https://doi.org/10.3390/polym15030483>
21. Meghana Goravinahalli Shivananjegowda , **Umme Hani** , Riyaz Ali M. Osmani , Ali H. Alamri , Mohammed Ghazwani , Yahya Alhamhoom , Mohamed Rahamathulla , Sathishbabu Paranthaman, Devegowda Vishakante Gowda and Ayesha Siddiqua. Development and Evaluation of Solid Lipid Nanoparticles for the Clearance of A β in Alzheimer's Disease. *Pharmaceutics* 2023, 15, 221. <https://doi.org/10.3390/pharmaceutics15010221>.
22. Shoaib Shoaib, Mohammad Azam Ansari, Geetha Kandasamy , Rajalakshimi Vasudevan, **Umme Hani**, Waseem Chauhan, Maryam S. Alhumaidi, Khadijah A. Altammar , Sarfuddin Azmi , Wasim Ahmad , Shadma Wahab and Najmul Islam. An Attention towards the Prophylactic and Therapeutic Options of

- Phytochemicals for SARS-CoV-2: A Molecular Insight. *Molecules* 2023, 28, 795. <https://doi.org/10.3390/molecules28020795>
23. Balagangadharaswamy Shobha, Bagepalli Shivaram Ashwini , Mohammed Ghazwani , Umme Hani , Banan Atwah , Maryam S. Alhumaidi , Sumanth Basavaraju , Srinivas Chowdappa , Tekupalli Ravikiran , Shadma Wahab , Wasim Ahmad , Thimappa Ramachandrappa Lakshmeesha and Mohammad Azam Ansari. Trichoderma-Mediated ZnO Nanoparticles and Their Antibio film and Antibacterial Activities. *J. Fungi* 2023, 9, 133. <https://doi.org/10.3390/jof9020133>
 24. Microneedles as a momentous platform for psoriasis therapy and diagnosis: A state-of-the-art review B.H. Jaswanth Gowda a,* , Mohammed Gulzar Ahmed a,* , Umme Hani b , Prashant Kesharwani c,d,e,* , Shadma Wahab f , Karthika Paul. *International Journal of Pharmaceutics*. Volume 632, 5 February 2023, 122591. <https://doi.org/10.1016/j.ijpharm.2023.122591>
 25. Shoaib Shoaib, Mohammad Azam Ansari , Mohammed Ghazwani, **Umme Hani**, Yahya F. Jamous, Zahraa Alali, Shadma Wahab , Wasim Ahmad, Sydney A. Weir, Mohammad N. Alomary , Nabihah Yusuf and Najmul Islam. Prospective Epigenetic Actions of Organo-Sulfur Compounds against Cancer: Perspectives and Molecular Mechanisms. *Cancers* 2023, 15, 697. <https://doi.org/10.3390/cancers15030697>
 26. Yahya Alhamhoom , Greeshma Kakinani , Mohamed Rahamathulla , Riyaz Ali M. Osmani, **Umme Hani** , Kamal Yoonus Thajudeen , G. Kiran Raj , Devegowda V. Gowda. Recent advances in the liposomal nanovesicles based immunotherapy in the treatment of cancer: A review. *Saudi journal of pharmaceutical sciences*. <https://doi.org/10.1016/j.jsps.2022.12.008>
 27. Huma Rao, Saeed Ahmad, Asadullah Madni , Iqra Rao , Mohammed Ghazwani , **Umme Hani** , Muhammad Umair, Imtiaz Ahmad, Nadia Rai, Maqsood Ahmed and Kashif ur Rehman Khan. Compritol-Based Alprazolam Solid Lipid Nanoparticles for Sustained Release of Alprazolam: Preparation by Hot Melt Encapsulation. *Molecules* 2022, 27, 8894. <https://doi.org/10.3390/molecules27248894>.
 28. Akhila Akkihebbal Ravikumar, Parthasarathi K. Kulkarni, Riyaz Ali M. Osmani , **Umme Hani** , Mohammed Ghazwani, Adel Al Fatease, Ali H. Alamri and Devegowda V. Gowda. Carvedilol Precipitation Inhibition by the Incorporation of Polymeric Precipitation Inhibitors Using a Stable Amorphous Solid Dispersion Approach: Formulation, Characterization, and In Vitro In Vivo Evaluation. *Polymers* 2022, 14, 4977. <https://doi.org/10.3390/polym14224977>.
 29. Yahya Alhamhoom, Gundawar Ravi, Riyaz Ali M. Osmani, **Umme Hani** and Gowrav M. Prakash. Formulation, Characterization, and Evaluation of Eudragit-Coated Saxagliptin Nanoparticles Using 3 Factorial Design Modules. *Molecules* 2022, 27, 7510. <https://doi.org/10.3390/molecules27217510>.
 30. **Umme Hani**, Riyaz Ali M. Osmani , Sabina Yasmin, B. H. Jaswanth Gowda, Hissana Ather , Mohammad Yousuf Ansari, Ayesha Siddiqua, Mohammed Ghazwani , Adel Al Fatease , Ali H. Alamri, Mohamed Rahamathulla, M. Yasmin Begum and Shadma Wahab. Novel Drug Delivery Systems as an Emerging Platform for Stomach Cancer Therapy. *Pharmaceutics* 2022, 14, 1576. <https://doi.org/10.3390/pharmaceutics14081576>
 31. **Umme Hani**, Mohamed Rahamathulla , Riyaz Ali M. Osmani , Yasmin Begum , Shadma Wahab , Mohammed Ghazwani, Adel Al Fatease , Ali H. Alamri , Devegowda V. Gowda and Ali Alqhtani. Development and Characterization of Oral Raft Forming In Situ Gelling System of Neratinib Anticancer Drug Using 32 Factorial Design. *Polymers*. 2022, 14, 2520. <https://doi.org/10.3390/polym14132520>.

32. 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 Proanthocyanidin-Loaded Transferosomes as an Effective Therapeutic Approach for Osteoarthritis. *Nanomaterials* 2022, 12, 2954. <https://doi.org/10.3390/nano12172954>.
33. Shadma Wahab, Dalia Almaghaslah, Syed Esam Mahmood, Md Faruque Ahmad, Abdulrahman A. Alsayegh, Yahya M. Abu Haddash, Mohammad Akhlaquer Rahman, Irfan Ahamd , Wasim Ahmad, Mohammad Khalid, Shazia Usmani, Md Parwez Ahmad and **Umme Hani**. Pharmacological Efficacy of Probiotics in Respiratory Viral Infections: A Comprehensive Review. *Journal of Personalized Medicine*. 2022, 12, 1292. <https://doi.org/10.3390/jpm12081292>
34. Sathishbabu Paranthaman, Chinnappa A. Uthaiah , Riyaz Ali M. Osmani , **Umme Hani** , Mohammed Ghazwani , Ali H. Alamri, Adel Al Fatease, SubbaRao V. Madhunapantula and Devegowda Vishkante Gowda. Anti-Proliferative Potential of Quercetin Loaded Polymeric Mixed Micelles on Rat C6 and Human U87MG Glioma Cells. *Pharmaceutics*. 2022, 14, 1643. <https://doi.org/10.3390/pharmaceutics14081643>.
35. M. Yasmin BegumI, Riyaz Ali M. OsmaniI, Ali AlqahtaniI, Mohammed Ghazwani, **Umme Hani**, Hissana Ather, Akhtar Atiya , Mohamed Rahamathullal , Ayesha Siddiqua. Development of stealth liposomal formulation of celecoxib: In vitro and in vivo evaluation. *Plos One*. <https://doi.org/10.1371/journal.pone.0264518> April 26, 2022.
36. Yahya Alhamhoom, **Umme Hani**, Fatima ezzahra Bennani, Noor Rahman, Md Abdur Rashid, Muhammad Naseer Abbas, Luca Rastrelli. Identification of new drug target in *Staphylococcus lugdunensis* by subtractive genomics analysis and their inhibitors through molecular docking and Molecular dynamic simulation studies. *Bioengineering* 2022, 9, 451. <https://doi.org/10.3390/bioengineering9090451>.
37. Syed Taifa, Amatul Muhee , Riyaz A. Bhat, Showkat UI Nabi , Arpita Roy , Gulzar Ahmed Rather , Azmat Alam Khan, Showkeen Muzamil Bashir, 5 Mohsina Patwekar , Shadma Wahab , Saad Alghamdi , Anas S. Dabool , Ahmed Kabrah , **Umme Hani** , Azzah M. Bannunah, Faheem Patwekar and Jewel Mallick. Evaluation of Therapeutic Efficacy of Copper Nanoparticles in *Staphylococcus aureus*-Induced Rat Mastitis Model. *Journal of Nanomaterials* Volume 2022, Article ID 7124114, 12 pages <https://doi.org/10.1155/2022/7124114>.
38. Fareeaa Ashar , **Umme Hani**, Riyaz Ali M. Osmani, Syed Mohammed Kazim and S. Selvamuthukumar. Preparation and Optimization of Ibrutinib-Loaded Nanoliposomes Using Response Surface Methodology. *Polymers* 2022, 14, 3886. <https://doi.org/10.3390/polym14183886>.
39. Satishbabu P, **Umme Hani**, Shakeela, Hemanth Vikram P.R, Mohammed Ghazwani, Riyal Ali M. Osmani, B.M. Gurupadayya, DV Gowda. A novel RP-HPLC method development and validation for simultaneous quantification of Gefitinib and resveratrol in polymeric Hybrid Lipid Nanoparticles and Glioma Cells. *Journal of chromatography B*. Volume 1212, 1 December 2022, 123483. <https://doi.org/10.1016/j.jchromb.2022.123483>
40. Deeparani urolagin , **Hani Umme**, Archana SP. Invitro anti-cancer study of herbal extract on colon carcinoma cells. *Gorteria journal*. VOLUME 35, ISSUE 4 – 2022.
41. Mohamed Rahamathulla*, **Umme Hani**. Design and Evaluation of Losartan Potassium Effervescent Floating Matrix Tablets: In Vivo X-ray

- Imaging and Pharmacokinetic Studies in Albino Rabbits. *Polymers* 2021, 13, 3476. <https://doi.org/10.3390/polym13203476>. (IF: 4.329)
42. Sirajudeen S. Alavudeen, Anas Ali Asiri , Shatha Abdulrahman Fageeh, Ahmed Abdoh Aljarie, Mir Javid Iqbal, Noohu Abdulla Khan, Fauzia Tabassum, Mohamed Rahamathulla, **Umme Hani** and Md Sayeed Akhtar. Evaluation of antibiotic prescribing practices and antimicrobial sensitivity patterns in urinary tract related infectious diseases in pediatric patients. *Frontiers in pediatric*. 9:740106. doi: 10.3389/fped.2021.740106 (IF: 3.418)
43. Ambreen Shoaib, Lubna Azmi, Sampita Pal, Saad S. Alqahtani, Mohamed Rahamathulla, **Umme Hani** , Sultan Alshehri, Mohammed M. Ghoneim, Faiyaz Shakeel. Integrating nanotechnology with naturally occurring phytochemicals in neuropathy induced by diabetes. *Journal of Molecular Liquids*. Available online 25 November 2021, 118189. <https://doi.org/10.1016/j.molliq.2021.118189> (IF: 6.165)
44. Salman Khan , Shazia Mansoor, Zeeshan Rafi, Bhawna Kumari, Ambreen Shoaib, Mohd Saeed, Sultan Alshehri, Mfohammed M. Ghoneim f , Mohamed Rahamathulla, **Umme Hani**, Faiyaz Shakeel. A review on nanotechnology: Properties, applications, and mechanistic insights of cellular uptake mechanisms . *Journal of Molecular Liquids*. 118008. (IF: 6.165)
45. Mohammed Ghazwani, **Umme Hani** , Riyaz Ali M. Osmani , Mohamed Rahamathulla , M. Yasmin Begum , Shadma Wahab, D. V. Gowda , Akhila Akkihebbal Ravikumar, Honnavalli Yogish kumar, Hissana Ather and Afrasim Moin. An Efficient Herbal Approach for Treating Fungal Infection in Cervical Cancer Patients by Developing and Optimizing a Vaginal Suppository. *International Journal of Polymer Science* Volume 2021, Article ID 9198387, 11 page (IF:2.642)
46. M. Yasmin Begum, Ali Alqahtani, Mohammed Ghazwani, Noura Abdullah Alhamood, **Umme Hani**, Avanthi Jajala and Mohamed Rahamathulla: Development of Duloxetine Hydrochloride Tablets for Delayed and Complete Release Using Eudragit L 100. *International journal of polymer science*. Volume 2021 |Article ID 8890503 | <https://doi.org/10.1155/2021/8890503>. (IF:2.642)
47. Kenchegowda M, Rahamathulla M, **Umme Hani**, Begum MY, Guruswamy S, Osmani RAM, Gowrav MP, Alshehri S, Ghoneim MM, Alshlowi A, Gowda DV . Smart Nanocarriers as an Emerging Platform for Cancer Therapy: A Review. *Molecules*. 2021 Dec 27;27(1):146. doi: 10.3390/molecules27010146. (IF:4.412)
48. Saad Ali Alshehri, Shadma Wahab, Shahabe Saquib Abullais , Gotam Das , **Umme Hani** , Wasim Ahmad , Mohd Amir , Ayaz Ahmad, Geetha Kandasamy , Rajalakshimi Vasudevan. Pharmacological efficacy of tamarix aphylla: A comprehensive review. *Plants* 2022, 11(1), 118; <https://doi.org/10.3390/plants11010118>. (IF:3.9)
49. M Yasmin Begum, Ali Alqahtani, Mohammed Ghazwani, MM Ramakrishna, **Umme Hani**, Akhtar Atiya, Mohammad Rahamathulla. Preparation of carbopol 934 based ketorolac tromethamine buccal mucoadhesive film: In vitro, ex vivo and in vivo assessments. *International journal of polymer science*. Volume 2021, Article ID 4786488, 11 pages <https://doi.org/10.1155/2021/4786488>. (IF:2.642)
50. **Umme hani**, Yasmin Begum M, Shadma Wahab, Ayesha Siddiqua, Riyaz Ali M. Osmani , Mohamed rahmathulla. A Comprehensive Review of Current Perspectives on Novel Drug Delivery Systems and

Approaches for Lung Cancer Management. *Journal of Pharmaceutical Innovation*.
<https://doi.org/10.1007/s12247-021-09582-1>. (IF:2.75)

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52. **Umme Hani**, Riyaz Ali M. Osmani, Ayesha Siddiqua, Shadma Wahab, Sadia Batool, Hissana Ather , Norhan Sheraba, Ali Alqahtani. A systematic study of novel drug delivery mechanisms and treatment strategies for pancreatic cancer. *Journal of Drug Delivery Science and Technology*. Volume 63, June 2021, 102539. (IF:3.9)
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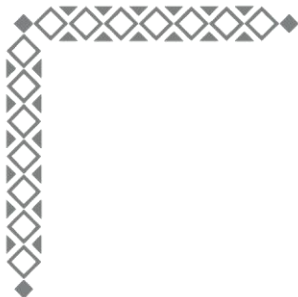
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Conference attendance/presentations:

Invited Speaker

Presented Oral presentation on the topic entitled 'Design and development of a novel formulation for colon cancer: Drug Delivery' In the Health Professions Education Forum 2023, held on the 28th of May 2023 under the auspices of the Saudi Society for Medical Education (SSME) at King Khalid University.

- Guest lecture on Topic: "Safety first with medicine ask your pharmacist" on National pharmacy week celebration by pharmaceutical society, 2010, Karnataka.

Conference posters

- Presented poster on the topic "**Lesson Plan: A Guide for the teacher**", at APTI-RAKMHSU International Conference held at Ras Al Khaimah, UAE. Feb 2016.
- Presented poster at Sipra innovative pharma research award certificate to attend symposia in Hyderabad, July-2015