

Dr. ABDUL HAFEEZ

Associate Professor

DOJ- 07/08/2019

M.Pharm & Ph.D

Faculty of Pharmacy,

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ACADEMIC ACHIEVEMENTS

- Awarded “Maulana Azad National Fellowship” as “Junior Research Fellow” of University Grants Commission (UGC), HRD Ministry, Government of India, from April 01, 2011 to March 31, 2013.
- Awarded “Maulana Azad National Fellowship” as “Senior Research Fellow” of University Grants Commission (UGC), HRD Ministry, Government of India, from April 01, 2013 to March 31, 2016.
- Awarded “Hamdard National Foundation Research Fellowship” of Jamia Hamdard from August 23, 2010 to March 31, 2011.
- Qualified Graduate Aptitude Test in Engineering with 95.30 percentile in the year 2007 conducted by Indian Institute of Technology, Kanpur, Uttar Pradesh.
- Secured 1st & 3rd position in the class of Bachelor of Pharmacy, 3rd & 2nd year, respectively at Faculty of Pharmacy, Jamia Hamdard, New Delhi.
- Secured 2nd position in the class of Master of Pharmacy, at Department of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard, New Delhi.

ACADEMIC QUALIFICATIONS

- Bachelor of Pharmacy from Faculty of Pharmacy, Jamia Hamdard, New Delhi (2007).
- Master of Pharmacy in Quality Assurance from Department of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard, New Delhi (2009).
- Ph.D. in Pharmaceutics from Department of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard, New Delhi (2016).

RESEARCH INTEREST

- Selection and optimization of suitable formulation components based on targeted responses for improved and safe drug delivery.
- Design, development and evaluation of nanocarrier based drug delivery systems through oral, transdermal and intranasal routes for targeted delivery and bioavailability enhancement of synthetic and plant-based drugs.
- Application of QbD using DoE approach in the development and optimization of formulations.

RESEARCH EXPERIENCE

- Successfully co-supervised 01 PhD Scholar (Pharmaceutics).
- Successfully supervised dissertation works of 08 and co-supervised 02 M. Pharm. (Pharmaceutics) scholars at Faculty of Pharmacy, Integral University, Lucknow India, in the following areas:
 - ❑ Formulation and evaluation of transfersome based intranasal drug delivery
 - ❑ Formulation and evaluation of niosome based Intranasal drug delivery
 - ❑ Formulation and evaluation of nanostructured lipid carrier based Intranasal drug delivery
 - ❑ Development and evaluation of transethosome based gel formulation for the management of diabetes
 - ❑ Formulation and evaluation of nanostructured lipid carrier-based gel for the management of diabetes
 - ❑ Formulation development and evaluation of nanoemulgel for topical Delivery
- Currently involved in the direct supervision of 02 M. Pharm. and 05 PhD research scholars in the areas of polymeric and lipid-based drug delivery systems of various categories of drugs at Faculty of Pharmacy, Integral University, Lucknow.
- Journal Club Coordinator at Faculty of Pharmacy, Integral University, Lucknow.
- Research experience as a Senior Research Fellow from April 01, 2013 to March 31, 2016 at Dept. of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard, New Delhi under the scheme “Maulana Azad National Fellowship” of University Grants Commission (UGC), HRD Ministry, Government of India.
- Research experience as a Junior Research Fellow from April 01, 2011 to March 31, 2013 at Dept. of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard, New Delhi under the scheme “Maulana Azad National Fellowship” of University Grants Commission (UGC), HRD Ministry, Government of India.
- Research experience as part of M. Pharm. research work at Research and Development Division, Indian Pharmacopoeia Commission, Ghaziabad, Uttar Pradesh from August 2008 to February 2009.

TEACHING EXPERIENCE

- Currently working as an Associate Professor at Faculty of Pharmacy, Integral University, Lucknow since August 7, 2019.
- Worked as an Assistant Professor from January 9, 2019 to August 5, 2019 at Department of Pharmaceutics, School of Pharmaceutical Sciences, Lovely Professional University, Punjab
- Worked as a Teaching Assistant (Lecturer) from August 17, 2016 to December 31, 2018 at Department of Pharmaceutics, School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi.

- Currently involved in the teaching of theoretical and practical aspects of following subjects related to the Pharmaceutics (undergraduate, postgraduate and doctoral students):
 - ☐ Modern Pharmaceutics
 - ☐ Pharmaceutical Engineering
 - ☐ Applied Pharmaceutics
 - ☐ Molecular Pharmaceutics
 - ☐ Computer Aided Drug Delivery System

RESEARCH/REVIEW PUBLICATIONS

- Nargis Ara & Abdul Hafeez*. Nanocarrier-Mediated Drug Delivery via Inhalational Route for Lung Cancer Therapy: A Systematic and Updated Review. AAPS PharmSciTech, (2024) 25(3), 47. **Impact Factor-3.4**
- Nargis Ara, Abdul Hafeez* & Shom Prakash Kushwaha. Repurposing simvastatin in cancer treatment: an updated review on pharmacological and nanotechnological aspects. Naunyn-Schmiedeberg's archives of pharmacology. (2024). **Impact Factor-3.1**
- Preeti Gupta, Poonam Kushwaha, Abdul Hafeez. Development and characterization of topical ethosomal gel for improved antifungal therapeutics. Journal of Molecular Liquids. 2024, 405, 125111. **Impact Factor-5.3**
- Archita Kapoor, Abdul Hafeez*, Poonam Kushwaha. Nanocarrier Mediated Intranasal Drug Delivery Systems for the Management of Parkinsonism: A Review. Current Drug Delivery. 2024;21(5):709-725. **Impact Factor-2.8**
- Simrah, Abdul Hafeez*, Shazia Afzal Usmani, & Mishkaat Parveen Izhar. Transfersome, an ultra-deformable lipid-based drug nanocarrier: an updated review with therapeutic applications. Naunyn-Schmiedeberg's archives of pharmacology, (2024). 397(2), 639–673. **Impact Factor-3.1**
- Km Khushboo Vishwakarma, Abdul Hafeez*, Shazia Afzal Usmani, Layba Noor, Ishma Rahela Khan Nanocarrier-based delivery approaches of mangiferin: an updated review on leveraging biopharmaceutical characteristics from the bioactive. Current Pharmaceutical Biotechnology. 2024. **Impact Factor-2.2**
- Afiya Furquan, Abdul Hafeez* & Md. Azizur Rahman. Brain targeting of drugs via intranasal route in conjunction with nanoparticle-based systems: an updated review. Journal of Nanoparticle Research. 2023, 25, 233. **Impact Factor-2.1**
- Mohd. Jawed Khan, Abdul Hafeez*, Mohd. Aftab Siddiqui. Nanocarrier Based Delivery of Berberine: A Critical Review on Pharmaceutical and Preclinical Characteristics. Current Pharmaceutical Biotechnology. 2023;24(11):1449-1464. **Impact Factor-2.2**
- Mishkaat Parveen Izhar, Abdul Hafeez*, Poonam Kushwaha, Simrah. Drug Delivery Through Niosomes: A Comprehensive Review with Therapeutic Applications. Journal of Cluster Science. 34, 2257-2273, (2023). **Impact Factor-2.7**

- Preeti Gupta, Abdul Hafeez, Poonam Kushwaha. Development and Evaluation of Topical Ethosomal Gel for Fungal Infections. Drug Research (Stuttg). 2023;73(1):46-53. **Impact Factor-1.7**
- Rabia Aqeel, Abdul Hafeez* and Shazia Afzal Usmani. Nanocarrier-based Systems for Co-delivery of Drugs in the Management of Skin Cancer: A Review. Current Nanomedicine. 2023, 13(3), 188-198. **Scopus Indexed**
- Mohd Hussain, Abdul Hafeez*, Shom Prakash Kushwaha. Nanoformulation mediated transdermal delivery of anti-diabetic drugs: an updated review. Intelligent Pharmacy. 2023, 1(4), 192-200.
- Shivangi Sharma, Abdul Hafeez*, Shazia Afzal Usmani. Nanoformulation approaches of naringenin- an updated review on leveraging pharmaceutical and preclinical attributes from the bioactive. Journal of Drug Delivery Science and Technology. 76 (2022) 103724. **Impact Factor-4.5**
- Asif Eqbal, Vaseem Ahamad Ansari, Abdul Hafeez, Farogh Ahsan, Mohd Imran, Saquib Tanweer. Recent Applications of Nanoemulsion Based Drug Delivery System: A Review. Research Journal of Pharmacy and Technology. 2021; 14(5), 2852-2858. **Scopus Indexed**
- Anjan Paudel, Aameeduzzafar, Syed Sarim Imam, Abdul Hafeez, Mohd Fazil, Shahroz Khan, Farhan Jalees Ahmad and Asgar Ali. Formulation and Optimization of Candesartan Cilexetil Nano Lipid Carrier: *in vitro* and *in vivo* evaluation. Current Drug Delivery. 13, 2016. **Impact Factor-2.8**
- Abdul Hafeez, Mohd. Aqil and Asgar Ali. Development and optimization of a nanostructured lipid carrier based gel formulation of etoricoxib for topical delivery using Box-Behnken Design: *In vitro* and *ex vivo* evaluation. Science of Advanced Materials. 7 (2015) 8, 1567-1580. **Impact Factor-0.9**
- Abdul Hafeez, Saini P. K., Jain C. L., Singh R. M., Mathur S. C., Singh G. N., Khar R. K. Simultaneous Quantification of Artemether and Lumefantrine in Tablet Dosage Form By RP-HPLC Method. Indian Drugs. 47 (2010) 4, 72-75. **Scopus Indexed**
- Abdul Hafeez, Pawan K. Saini, Raman M. Singh, Satish C. Mathur, Gyanendra N. Singh, Chhoten L. Jain, Roop K. Khar. A Simple and Sensitive HPTLC Method for Quantitative Analysis of Artemether and Lumefantrine in Tablets. Journal of Planar Chromatography. 23 (2010) 2, 119-122. **Impact Factor-1.1**

PAPER PRESENTATIONS

- Presented an oral paper titled “Co-amorphous solid dispersions: challenges and recent developments” in an International Conference on the theme “Novel Paradigms in Pharmaceutical Sciences”, held at Faculty of Pharmacy, Integral University, Lucknow in between March 9-10, 2024.
- Presented an oral paper titled “Recent Advancements in Nanostructured Lipid Carrier-Based Drug Delivery Through Nasal Route for Brain Targeting” in an International Conference on the theme “Novel Paradigms in Pharmaceutical Sciences”, held at Faculty of Pharmacy, Integral University, Lucknow in between March 9-10, 2024.

- Presented virtually an oral paper titled “A recent update on chitosan-based nasal drug delivery systems” in an International Conference “4th Global Multi-Track Virtual Conference, ‘Strategies, Techniques, Applications, and Resources’ Star 2023” in between October 08-14, 2023; organized by HRDC & IQAC, Integral University, India in association with Centro Universitario Unifacvest, Brazil, South America & Special Minds, India.
- Presented virtually an oral paper titled “Prevalence of Lung Cancer in Indian Women”, in an International Conference “World Women Conference-VI” held at Ankara, Turkey in between September 17-19, 2023.

BOOK CHAPTER PUBLICATIONS

- Mohd Aftab Siddiqui*, Charul Jain, Afreen Usmani, Abdul Hafeez, Mohammad Khalid and Mohd Mujahid (2024). Pharmacogenetics and Pharmacogenomics Impact on Aspirin Response. IntechOpen.
- Shom Prakash Kushwaha, Syed Misbahul Hasan*, Kuldeep Singh, Arun Kumar, Muhammad Arif, Poonam Kushwaha, Abdul Hafeez and Ambreen Shoaib (2024). Understanding Heart Diseases and the Risk Factors in Women. Bentham Science
- Nargis Ara, Abdul Hafeez* & Shom Prakash Kushwaha (2023). Prevalence of Lung Cancer in Indian Women. The Proceedings Book. World Women Conference-VI.
- Abdul Hafeez*, Shazia Afzal Usmani (2023). Nose-to-Brain Drug Delivery Through Liposomes: Recent Applications. In (Ed.) Liposomes - Recent Advances, New Perspectives and Applications. IntechOpen.
- Usmani S*, Wahab, S, Hafeez, A, Khatoon, S, Hasan, S. M. (2022). Peroxisomal Modulation as Therapeutic Alternative for Tackling Multiple Cancers. In (Ed.), The Metabolic Role of Peroxisome in Health and Disease. IntechOpen.

PATENT GRANTED

Patent details: A novel instrument of reaction progress tool with thermostatic heating mantle for laboratory purpose (Design Number: 388821-001, The Patent Office, Government of India, Issue date: 12/09/2023); Integral University, Prof. Syed Misbahul Hasan, Dr. Shom Prakash Kushwaha, Dr. Munendra Mohan Varshney, Dr. Abdul Hafeez, Dr. Smriti Ojha, Dr. Ahsan Ahmed Khan, Dr. Garima Verma, Ms. Varsha, Dr. Ravi Shekhar

E-CONTENT DEVELOPMENT

- Developed e-contents of following courses at University-LMS for UG and PG students:
 - ❑ Modern Pharmaceutics
 - ❑ Pharmaceutical Engineering
 - ❑ Molecular Pharmaceutics
 - ❑ Computer Aided Drug Delivery System

TEACHING LEARNING PEDAGOGY DEVELOPMENT

- Developed ICT mediated contents consisting of “video, sound, animation, text and image in one frame” for UG and PG students:
 - ❑ Elaboration of important aspects related to preformulation studies (<https://www.youtube.com/watch?v=sOokSnBD8sQ>)
 - ❑ Pharmaceuticals in management of diseases (<https://www.youtube.com/watch?v=UayRYKk6MIM>)

VALUE ADDED COURSE DEVELOPMENT

- Developed a value added course titled ‘Pharmaceutical Nanotechnology’ for the students of UG and PG. It consists of basic and applied aspects of nanotechnology (Liposomes, polymeric nanoparticles) applied in the development and delivery of drugs.

RESOURCE PERSON

- Delivered a talk on the occasion of “Global Handwashing Day” at Faculty of Pharmacy, Integral University, Lucknow on October 15, 2020.

FPARTICIPATION IN CONFERENCE/SEMINAR/WORKSHOP/FDP

- Participated as delegate in an International Conference on the theme “Novel Paradigms in Pharmaceutical Sciences” held at Faculty of Pharmacy, Integral University, Lucknow in between March 9-10, 2024.
- Participated as delegate in a seminar cum workshop on the theme “Implementing cGMP: best practices for manufacturing excellence” on the occasion of National Current Good Manufacturing Day, held at Faculty of Pharmacy, Integral University, Lucknow on October 10, 2023.
- Participated as delegate in Workshop on “Intellectual Property Rights: The Process of Patenting” held at Integral Information and Research Centre, Integral University, Lucknow on March 23, 2022.
- Participated as delegate in the Faculty Development Programme on “Communication Skills: Theory and Practices” held at Department of Languages, Integral University, Lucknow in between 14-06-2021 to 25-06-2021.
- Participated as a moderator in a Professional Development Program on “Strategies to Overcome Challenges in Drug Development” at Faculty of Pharmacy, Integral University, Lucknow held in between November 09, 2021 to November 23, 2021.
- Participated in an induction program “Multidisciplinary and Translational Drug Development-QbD IN PHARMA DEVELOPMENT” organized by Anjuman-I-Islam’s Kalsekar Technical Campus, School of Pharmacy, New Panvel in between 24-05-2021 to 29-05-2021.
- Participated in a refresher course on “National Education Policy (NEP) 2020” organized by Integral University, Lucknow in between 24-02-2021 to 03-03-2021.

- Participated as delegate in the Faculty Development Programme on “Advanced Excel with Data Visualization” held at E & ICT Academy, IIT Kanpur in between 04-11-2020 to 07-11-2020.
- Participated in a national webinar on “Lexicomp- A clinical drug reference tool for Pharm D” organized by Infokart India in association with Lexicomp on 20-08-2020.
- Participated as delegate in AICTE sponsored conference on “Pharmaceutical Regulatory Landscape: Its Key Role and Functions” held on February 13, 2018 at Faculty of Pharmacy, Jamia Hamdard, New Delhi.
- Participated as delegate in the “Faculty Development Programme” on “Teaching Learning Methodology and Classroom Management” held on November 30 and December 1, 2017 at Jamia Hamdard, New Delhi, India.
- Participated as delegate in Workshop on “Application of NMR Spectroscopy in Chemistry” held on December 14, 2017 at Jamia Hamdard, New Delhi, India.

PERSONAL INFORMATION

Father's Name	:	Mr. Abdul Hadi
Date of Birth	:	June 08, 1985
Nationality	:	Indian
Marital Status	:	Married
Languages Known	:	English, Urdu, Arabic & Hindi
Permanent Address	:	Village and Post: Semariyawan; District: Sant Kabir Nagar, Uttar Pradesh- 272126, India.

DECLARATION

I do hereby declare that all the information above given is true to the best of my knowledge and belief.

(Dr. Abdul Hafeez)