

**DR. MD ALI MUJTABA**

Associate Professor

Ph.D (Pharmaceutics), M.Pharma.

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Greetings of the day...!

I take this opportunity to introduce myself as Md. Ali Mujtaba, currently working as an **Associate Professor** in the **Department of Pharmaceutics, Faculty of Pharmacy, Northern Border University, Saudi Arabia** since August 2015. I have more than **9 years of teaching experience** as in **Northern Border University, Kingdom of Saudi Arabia**, and the **total of more than 14 years of experience** in teaching and research in different accredited academic institutions. I have a good experience in different academic and administrative work at the college and University levels. I am teaching all the subjects of the pharmaceutics department like Introduction to Pharmacy; Pharmaceutical Calculation; Physical Pharmacy; Dosage form; Drug Delivery System; Biopharmaceutics and Pharmacokinetics, Industrial Pharmacy; and Quality Control.

I have published more than **60 research papers in international journals of repute with high impact factor (ISI indexes, Scopus indexed)**, many of them are published in **Q1 and Q2 journals, 3 books chapter with international publisher and 3 patents**. I have completed twelve research projects granted from Deanship of Scientific Research, Northern Border University, KSA. My research interests include application of biomaterials in drug delivery and design and characterization of polymeric nanoparticulate/microparticulate system, development of extended-release dosage forms, improvement of aqueous solubility, enhancement of oral bioavailability of pharmaceuticals and pharmacokinetic in animal model. Moreover, I have attended several conferences and seminars at national and international level. I am the member of different scientific bodies and reviewer of journals of national and international repute. I have supervised several undergraduate students for their final graduation projects. Besides, I take keen interest in learning new things which improve my knowledge and can work both individually as well as in a team.

Regards,

**Dr. Md. Ali Mujtaba**

## 1. CURRICULUM VITAE

### 1. PERSONAL DATA:

**Name:** MD ALI MUJTABA

**Date of Birth:** 15/1/1982

**Place of Birth:** MUNGER, INDIA

**Nationality:** INDIA

**Contact Address:**

**Current address:** Dr. Md Ali Mujtaba, Street- Ar-Rawdah, Rafha-76321, Northern Province, KSA

**Permanent address:** C/O- Razi Ur Rahman, Shah colony, Shah Zubair Road, Munger-811201, Bihar, India

**Tel (home):** +966554696053

**Tel (Mobile):** +966538156614

**Email:** M.mujtaba@nbu.edu.sa

### 2. ACADEMIC/PROFESSIONAL PARTICULARS

#### (a) Field of Specialization:

Major Field of Specialization: Pharmaceutics

Fine Field Specialization: Pharmaceutical technology

#### (b) Academic Qualifications

| Degree               | Specialization                       | Year of Passing                                | University/Institute                                  | Remarks     |
|----------------------|--------------------------------------|--|---|-------------|
| Ph.D.                | Pharmaceutics                        | 5 <sup>th</sup> February 2015 (Degree awarded) | Jamia Hamdard, ('A' grade By NAAC), New Delhi, India. | First class |
| Master of Pharmacy   | Pharmaceutics<br>(Quality Assurance) | 2009   | Jamia Hamdard, ('A' grade By NAAC), New Delhi, India. | First       |
| Bachelor of Pharmacy | Pharmaceutical Science               | 2007   | Jamia Hamdard, ('A' grade By NAAC), New Delhi, India. | First       |

#### Ph.D thesis title:

“Development and optimization of extended-release dosage forms of cefpodoxime proxetil”

#### Master Dissertation Title:

“Development and validation of HPTLC method for estimation of ondansetron HCl in dosage form and formulation and evaluation of sublingual tablets of ondansetron HCl”

### 3. CAREER DETAILS

#### (a) Academic Positions Held

| S. No | Designation            | Name of the Institution   | Time period   |
|-------|------------------------|---|---|
| 1.    | Associate Professor    | Department of Pharmaceutics, Faculty of Pharmacy, Northern Border University, Saudi Arabia.   | 28 May 2024 to -till date (Currently working)         |
| 2.    | Assistant Professor    | Department of Pharmaceutics, Faculty of Pharmacy, Northern Border University, Saudi Arabia.   | 29 August 2015-27 May 2024                            |
| 3.    | Assistant Professor-II | Department of Pharmacy, Institute of Biomedical Education & Research, Mangalayatan University, Aligarh, India   | May 2015 – August 2015                                |
| 4.    | Senior Research Fellow | Department of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard, New Delhi – 110062, India  | August 2010-February 2015                             |
| 5.    | Guest Faculty          | 1. School of pharmacy, Loyd Institute of Management and technology, Greater Noida (U.P)<br>2. Department of Unani Pharmacy, Ayurvedic and Unani Tibbia Collage Karol Bag New Delhi. (Affiliate by Delhi University) | August 2010 – March 2012<br>September 2011 – May 2015 |
| 6.    | Lecturer               | School of pharmacy, Loyd Institute of Management and technology, Greater Noida (U.P)  | September 2009 – August 2010                          |

#### (b) Administrative Positions Held

| S. No | Work and/or Activity   | Date                            |
|-------|--|---------------------------------|
| 1     | Head, Department of Pharmaceutics, College of Pharmacy, NBU                | August 5, 2021 – January, 2024  |
| 2     | Member of college council, College of Pharmacy, NBU                        | August 5, 2021 – January, 2024  |
| 3     | Member of University Health research team, NBU                             | August 12, 2021 – till date     |
| 4     | Member, Quality assurance and Accreditation Unit, College of Pharmacy, NBU | January 5, 2017 – till date     |
| 5     | Member of college curriculum development committee                         | September 30, 2021- till date   |
| 6     | Pharmaceutics Department coordinator                                       | September 2015 – August 4, 2021 |

#### 4. RESEARCH

##### (a) Research Grants detail:

| No | Project & Date  | Institution                | Investigator(s)   |
|----|---|----------------------------|---|
| 1  | <b>Project No. PHM-2016-1-6-F-4609</b><br>“Nanotechnology based approaches to enhance the potential of chemopreventive agent berberine hydrochloride in cancer therapy” (27/12/1437)                                | Northern Border University | <b>Mohammed Ali Mujtaba</b> and Khidir Agab                             |
| 2  | <b>Project No. PHM-2016-1-6-F-4622</b> “Oral Nanoemulsion of Fenugreek oil for treatment of diabetes” (27/12/1437)  | Northern Border University | Khidir Agab and <b>Mohammed Ali Mujtaba</b>                             |
| 3  | <b>Project No. 7013-PHM-2017-1-7-F</b> “Chitosan-Alginate Nanoparticles as a Novel Drug Delivery System for Rutin (2/9/1438)  | Northern Border University | <b>Mohammed Ali Mujtaba</b> , Khidir Agab and Mohd. Imran               |
| 4  | <b>Project No. 6999-PHM-2017-1-7-F</b> Design, synthesis and biological evaluation of novel prodrug of Alendronate (2/9/1438)   | Northern Border University | Mohd. Imran, Naira Nayeem and <b>Mohammed Ali Mujtaba</b>               |
| 5  | <b>Project No. 7287-PHM-2017-1-8-F</b><br>Development and Evaluation of Nanocrystals of Rosuvastatin For Enhancement Of Dissolution Rate (1/5/1439)   | Northern Border University | <b>Mohammed Ali Mujtaba</b> and Khidir Agab                             |
| 6  | <b>Project No. 7469-PHM-2017-1-8-F</b> Fabrication of ciprofloxacin nanocrystals by probe sonication method for enhancement of dissolution rate (1/5/1439)  | Northern Border University | <b>Mohammed Ali Mujtaba</b> , Nawaf Alotaibi and Lina Eltaib            |
| 7  | <b>Project No. 7284-PHM-2017-1-8-F</b><br>Antibacterial efficacy of garlic oil nanoemulsion (1/5/1439)  | Northern Border University | Khidir Agab and <b>Mohammed Ali Mujtaba</b>                             |
| 8  | <b>Project No. 7401-PHM-2017-1-8-F</b> Research Evaluation of dispensing practice in community pharmacy (1/5/1439)  | Northern Border University | Lina Eltaib and <b>Mohammed Ali Mujtaba</b>                             |
| 9  | <b>Project No. 7760-PHM-2018-3-9-F</b> Fabrication and characterization of nanosuspension formulation of diosmin for enhanced oral delivery (14/5/1440)   | Northern Border University | <b>Mohammed Ali Mujtaba</b> , Lina Eltaib, Naira Nayeem and Khidir Agab |
| 10 | <b>Project No. 7681-PHM-2018-3-9-F</b> Chitosan-sodium alginate nanoparticle as a promising approach for oral delivery of rosuvastatin calcium: Formulation, optimization and in vitro characterization (14/5/1440) | Northern Border University | <b>Mohammed Ali Mujtaba</b> and Nawaf Alotaibi                          |
| 11 | <b>Project No. PHR-2022-11-1512</b> Formulation and evaluation of chitosan-based nanogel for oral delivery of Diosmin (6/11/1443)   | Northern Border University | <b>Mohammed Ali Mujtaba</b> and Nawaf Alotaibi                          |

|    |   |                            |   |
|----|---|----------------------------|---|
| 12 | <b>Project No. PHAR-2023-12-2300</b> Formulation Development and Characterization of Lovastatin Nanogel for the Treatment of Hyperlipidemia | Northern Border University | <b>Mohammed Ali Mujtaba, Md.</b><br>Sarfaraz Alam and<br>Nawaf Alotaibi |
|----|---|----------------------------|---|

**(b). LIST OF PUBLICATIONS****Publication in 2024:**

1. **Md Ali Mujtaba**, Ritesh Fule, Purnima Amin, Gamal Osman Elhassan, Meshal Meteab Majed Almoutairi, Mohammed Kaleem, Musarrat Husain Warsi. Development of Hot Melt Extruded Co-Formulated Artesunate and Amodiaquine Soluplus® Solid Dispersion System in Fixed-Dose Form: Amorphous State Characterization and Pharmacokinetic Evaluation. *Curr Drug Metab.* 2024 Sep 25.
2. **Md Ali Mujtaba**, Harita Desai, Anju Ambekar, Ritesh Fule, Shriya Pande, Musarrat Husain Warsi, Gamal Osman Elhassan, Murtada Taha, Khalid Anwer, Tarkeshwar devidas Golghate. Development of chitosan/sodium carboxymethyl cellulose-based polyelectrolyte complex of dexamethasone for treatment of anterior uveitis. *Biomed Mater.* 2024 Oct 3;19(6).
3. **Md Ali Mujtaba**, Sarfaraz Alam, Nawaf M Alotaibi. Formulation Development and Characterization of Lovastatin Nanogel for the Treatment of Hyperlipidemia. *Orient J Chem* 2024;40(4).
4. **Md Ali Mujtaba**, Purushottam Gangane, Abuzer Ali, Shubham Chaudhari, Mohammed Kaleem, Sachin More, Naiyer Shahzad, Gamal Osman Elhassan, Md Khalid Answer. Karanjin-loaded soya lecithin-based ethosomal nanogel for the therapeutic intervention of psoriasis: formulation development, factorial design based-optimization, in vitro and in vivo assessment. *Biomed Mater.* 2024 Jul 11;19(5).
5. **Md Ali Mujtaba**, Mohammed Kaleem, Ragini Chaware, Ashwini Ingole, Yahya I Asiri, Mohd Zaheen Hassan, Vidya Sabale, Prafulla Sabale, Md Khalid Anwer, Danish Mahmood, Mohammed F Aldawsari. Development and Optimization of Proniosomal Formulation of Irbesartan Using a Box-Behnken Design to Enhance Oral Bioavailability: Physicochemical Characterization and In Vivo Assessment. *ACS Omega.* 2024 Mar 25;9(14):16346-16357.
6. Nilesh Mahajan, **Md Ali Mujtaba**, Ritesh Fule, Sonali Thakre, Md Sayeed Akhtar, Sirajudeen S. Alavudeen, Md Khalid Answer, Mohammed F. Aldawsari, Danish Mahmood, Md Sarfaraz Alam. Self-Emulsifying Drug Delivery System for Enhanced Oral Delivery of Tenofovir: Formulation, Physicochemical Characterization, and Bioavailability Assessment. *ACS Omega.* 2024;9(7):8139-8150.
7. Sudharshan Reddy Dachani, Mohammed Kaleem, **Md Ali Mujtaba**, Nilesh Mahajan, Sayyed A Ali, Ali F Almutairy, Danish Mahmood, Md Khalid Anwer, Mohammad Daud Ali, Sanjay Kumar. A Comprehensive Review of Various Therapeutic Strategies for the Management of Skin Cancer. *ACS Omega.* 2024 Feb 22;9(9):10030-10048.
8. Mahnoor Bano, Muhammad Khurram Waqas, Talha Ali Chohan, Fakhra Batool, Aamir Mushtaq, Yahya I Asiri, Mohd Zaheen Hassan, **Md Ali Mujtaba**, Md Khalid Anwer, Muhammad Irfan Siddique, Ayesha Riaz, Umair Khurshid, Hammad Saleem, Tahir Ali Chohan. Utilizing Cinnamomum verum (a culinary spice), as a functional food ingredient ameliorating hypercholesterolemia: In-vivo, in-vitro, and in-silico multi-model analysis. *Food Bioscience*, 2024, 62, 105153.
9. Prafulla Sabale, Nusrat Sayyad, Abuzer Ali, Vidya Sabale, Mohammed Kaleem, Turkey Omar Asar, Amena Ali, **Md Ali Mujtaba**, Md Khalid Answer. Design, synthesis, molecular docking and in vitro anticancer activities of 1-(4-(benzamido) phenyl)-3-aryurea derivatives *RSC Adv.* 2024 Jul 29;14(33):23785-23795.

**Publication in 2023 onward:**

10. Mohammad D Ali, Fehmida Gayasuddin Qur, Md Sarfaraz Alam, Nawaf M. Alotaibi, **Md Ali Mujtaba**. Global Epidemiology, Clinical Features, Diagnosis and Current Therapeutic Novelties in Migraine Therapy and their Prevention: A Narrative Review. *Current pharmaceutical design* vol. 29,41 (2023): 3295-3311.
11. Alenzi EO, Fatima W, Amara A, Imran M, Shah SSH, Elbilgahy AA, Fawzy MS, Abu-Negm LM, **Mujtaba MA**, Jacinto-Caspillo I, Al-Hazimi AM. A Systematic Review of Chronic Diseases and Their Prevalence Among the Population of Northern Borders Province (NBP) in Saudi Arabia. *J Multidiscip Healthc.* 2023 Apr 17;16:1047-1056.

12. **Mohammed Ali Mujtaba**, Nawaf M Alotaibi, Formulation and evaluation of chitosan-based nanogel for oral delivery of diosmin, *Pakistan Journal of Pharmaceutical Sciences*, **2023**, 36(2); 535-540.
13. **Md. Ali Mujtaba**, Accelerated stability evaluation and in vitro antimicrobial activity of a preformed ciprofloxacin nanocrystal formulation, *Pakistan Journal of Pharmaceutical Sciences*, **2023**, 36(1); 211-216.
14. Ansari, A., Hussain, A., Wadekar, R., Altamimi, M.A., Malik, A., **Mujtaba, M.A.**, Ansari, M.Y., Siddique, M.U.M. and Goyal, S.N., **2023**. Nanovesicles based drug targeting to control tumor growth and metastasis. *Advances in Cancer Biology-Metastasis*, p.100083.
15. Md Tauquir Alam, **Md Ali Mujtaba**, Afzal Hussain, Abuzer Ali, Mohd Imran, Md Abul Barkat, Sherif A Abdel-Gawad, Solid-Phase Extraction (SPE) Technique to Quantify Cefdinir in Human Plasma Using Liquid Chromatography–Tandem Mass Spectrometry (LC–MS/MS). *J Chromatogr Sci.* vol. 61,4 (**2023**): 366-374.
16. **Mujtaba, Md Ali**, Nawaf M. Alotaibi, Sultan M. Alshehri, Mohammad Yusuf, Md Khalid Anwer, Mohammad Akhlaquer Rahman, and Arshiya Parveen. 2022. "Novel Therapeutic Approach in PEGylated Chitosan Nanoparticles of Apigenin for the Treatment of Cancer via Oral Nanomedicine" *Polymers* 14, no. 20: 4344.
17. **Mujtaba M. A.** Development of Apigenin-Loaded Niosomes Using Ecological Probe Sonication Technique for enhanced oral delivery: Application of Box-Behnken Design. *Current Pharmaceutical Biotechnology*, Volume 23, Number 6, 2022, pp. 882-893(12)
18. **MA. Mujtaba**, MH. Akhter, MS. Alam, MD. Ali, A. Hussain. An updated review on therapeutic potential and recent advances in drug delivery of Berberine: Current status and future prospect. *Current Pharmaceutical Biotechnology*, Volume 23, Number 1, 2022, pp. 60-71(12).
19. Anwar A Alshammari, Abdulrahman M Alshammari, Nawaf M. Alotaibi, **Md Ali Mujtaba**, Md Tauquir Alam. The Challenges Faced by Pharm.D Students in Online Learning due to Covid-19 Pandemic and its Impact on their Mental Health in the Northern Border Region of Saudi Arabia. *P J M H S* Vol. 15, NO.9, Sep 2021 2819-2822.
20. Lina Eltaib, **Md Ali Mujtaba**. Stability Testing of Amoxicillin Nano-suspension as Promising Tool for Drug Delivery System. *Journal of Pharmaceutical Research International* 33(60B): 2481-2488, 2021.
21. Shadab Md, Nabil A Alhakamy, Thikryat Neamatallah, Samah Alshehri, **Md Ali Mujtaba**, Yassine Riadi, Ammu K Radhakrishnan, Habibullah Khalilullah, Manish Gupta, Md Habban Akhter, Development, Characterization, and Evaluation of  $\alpha$ -Mangostin-Loaded Polymeric Nanoparticle Gel for Topical Therapy in Skin Cancer, *Gels* 2021, 7, 230. <https://doi.org/10.3390/gels7040230>
22. Kohli, Kanchan, **Ali Mujtaba**, Rozina Malik, Saima Amin, Md S. Alam, Abuzer Ali, Md. A. Barkat, and Mohammad J. Ansari 2021. "Development of Natural Polysaccharide–Based Nanoparticles of Berberine to Enhance Oral Bioavailability: Formulation, Optimization, Ex Vivo, and In Vivo Assessment" *Polymers* 13, no. 21: 3833.
23. Muhammad Sarfaraz Alam, Mohammad Daud Ali, Sarfaraz Ahmad, Nuzhat Banu, Muhammad Sajid Ali, Nawazish Alam, Muhammad Ali, Muhammad Salahuddin Ansari, Muhammad Shamim, **Muhammad Ali Mujtaba**. Evaluation of wound healing potential and biochemical estimation of sage oil nanoemulsion on animal model. *Pak. J. Pharm. Sci.*, Vol.34, No.4, July 2021, pp.1385-1392.
24. **MA. Mujtaba**, L. Eltaib, NN. Akmal, and KAM. Hassan: Fabrication and characterization of nanosuspension formulation of diosmin for enhanced oral delivery. *Int J Pharm Sci & Res* **2021**; 12(2): 1143-48.
25. Md. Habban Akhter, Md. Rizwanullah, Javed Ahmad, Saima Amin, Mohammad Zaki Ahmad, Md. Akram Minhaj, **Md. Ali Mujtaba** and Javed Ali (**2020**). Molecular Targets and Nanoparticulate Systems Designed for the Improved Therapeutic Intervention in Glioblastoma Multiforme. *Drug research*, 10.1055/a-1296-7870.
26. S Ahmad, A Shoab, MS Ali, MS Alam, N Alam, M Ali, **A Mujtaba**, A Ahmad, Epidemiology, risk, myths, pharmacotherapeutic management and socio economic burden due to novel COVID-19: A recent update. *Research Journal of Pharmacy and Technology* 13 (9), **2020**, 4435-4442.
27. NM Alotaibi, **MA Mujtaba**, NM Alshammari. Knowledge, Attitudes and Awareness about Colorectal Cancer in the Kingdom of Saudi Arabia: A Cross Sectional Study. *Journal of Young Pharmacists* 12 (3), **2020**, 266.
28. AAH Alenazi, NM Alotaibi, **MA Mujtaba**. A Survey of Public Knowledge and Attitude Related to Antibiotic use and Antibiotic Resistance among Saudi People in Northern Region of Saudi Arabia. *Journal of Young Pharmacists* 12 (3), **2020**, 237.
29. Kriti Soni, **Ali Mujtaba**, Md Habban Akhter, Ameenudazzafar Zafar, Kanchan Kohli, Optimisation of ethosomal nanogel for topical nano-CUR and sulphoraphane delivery in effective skin cancer therapy. *J Microencapsul.* **2020** Mar;37(2):91-108.
30. Kriti Soni, **Ali Mujtaba**, Md Akhter, Kanchan Kohli, The Development of Pemetrexed Diacid-Loaded Gelatin-Cloisite 30B (MMT) Nanocomposite for Improved Oral Efficacy Against Cancer: Characterization, In-vitro and Ex-vivo Assessment, *Current Drug Delivery*, Volume 17, Number 1, **2020**, 246-256.

31. Aameduzzafar, Qumber, M., **Mujtaba, A., et al.** BBD-Based Development of Itraconazole Loaded Nanostructured Lipid Carrier for Topical Delivery: In Vitro Evaluation and Antimicrobial Assessment. *J Pharm Innov* (2020). 1-14.
32. **Md. Ali Mujtaba** & Nawaf M. Alotaibi. (2020). Chitosan-sodium Alginate Nanoparticle as a Promising Approach for Oral Delivery of Rosuvastatin Calcium: Formulation, Optimization and In vitro Characterization. *Journal of Pharmaceutical Research International*, 32(1), 50-56.
33. Nayeem Akmal, N., Imran, M., & **Ali Mujtaba, M.** (2019). Development and Validation of Analytical Method for Determination of an Important Flavonoid in *Malva neglecta*. *Journal of Pharmaceutical Research International*, 31(6), 1-8. <https://doi.org/10.9734/jpri/2019/v31i630329>
34. **Md Ali Mujtaba**, Development and Validation of UV-Spectrophotometric Methods for the Determination of Berberine in Polymeric Nanoparticles, *Advanced Science, Engineering and Medicine*, Volume 11, Number 12, December 2019, pp. 1273-1278.
35. Lina Eltaib, **Md Ali Mujtaba**, Dalia Amir and Hind Rikabi, Evaluation of community pharmacist dispensing and counselling practice, *IJPAS*, June, 2019, 8(6): 1200-1213.
36. Khidir A.M. Hassan, **Md Ali Mujtaba**, Antibacterial efficacy of garlic oil nano-emulsion, *AIMS Agriculture and Food*, 2019, 4(1): 194–205.
37. **Md Ali Mujtaba**, Nawaf M. Alotaibi, Lina Eltaib, fabrication of ciprofloxacin nanocrystals by probe sonication method for enhancement of dissolution rate, *RJPBCS* 10(1), January – February 2019, Page No. 891-898.
38. **Md Ali Mujtaba**, Khidir Agab Mohammed Hassan, Development And Evaluation Of Nanocrystals of Rosuvastatin For Enhancement of Dissolution Rate, *RJPBCS* 10(1), January – February 2019, Page No. 359-365.
39. Wafaa salem alshammari, Nawaf M. Alotaibi, Bader Alsuwayt, **Md Ali Mujtaba**, knowledge, attitudes and awareness about food and drug interactions (FDI) among pharmacists in northern border region of Saudi Arabia, *IJPAS*, November, 2018, 7(11): 1922-1932.
40. **Md Ali Mujtaba**, Khidir A. M Hassan, Mohd. Imran, Chitosan-Alginate Nanoparticles as a Novel Drug Delivery System for Rutin, *International Journal of Advanced Biotechnology and Research (IJBR)*, 2018, 9(1), 1895-1903.
41. Mohd. Imran, Naira Nayeem, **Mohammad Ali Mujtaba**. “Design, synthesis and biological evaluation of novel prodrug of alendronate”, *International Journal of Pharmaceutical and Phytopharmacological Research*, 2018, 8(3), pp.12-17.
42. **Ali Mujtaba**, Shadab Md, Subrat K. Bhattmisra, Farrukh Zeeshan, Naiyar Shahzad, Venkata Srikanth Meka, Ammu Radhakrishnan, Prashant Kesharwani, Sanjula Baboota, Javed Ali, Nano-carrier enabled drug delivery systems for nose to brain targeting for the treatment of neurodegenerative disorders, *Journal of Drug Delivery Science and Technology*, 2018, 43, 295–310.
43. **Md Ali Mujtaba**, Md Habban Akhter, Md Rizwanullah, Javed Ahmad, Mohamed Jawed Ahsan, Saima Amin, Nanocarriers in advanced drug targeting: setting novel paradigm in cancer therapeutics, *Artificial Cells, Nanomedicine, and Biotechnology*, 2018, 46(5), 873-884.
44. **Md. Ali Mujtaba**, Amir Mohammed Alshamri, The opinion and attitude about cupping therapy among general population of northern region of Saudi Arabia, *European Journal of Pharmaceutical and Medical Research*, 2017,4(11), 68-73.
45. **Ali Mujtaba**, Kriti Soni, Kanchan Kohli, Lipid drug conjugate nanoparticle as a potential nanocarrier for the oral delivery of pemetrexed diacid: Formulation design, characterization, ex vivo, and in vivo assessment, *International Journal of Biological Macromolecules*, Volume 103, October 2017, Pages 139–151.
46. **Md Ali Mujtaba**, Khidir A. M. Hassan, Nanotechnology based approach to enhance the potential of chemopreventive agent berberine hydrochloride in cancer therapy, *IJPAS*, May, 2017, 6(5): 953-975.
47. **Ali Mujtaba**, Kanchan Kohli. Validated HPLC method for the pharmacokinetic study of oral extended-release cefpodoxime proxetil chitosan–alginate beads in rabbits. *International Journal of Biological Macromolecules*, Volume 98, May 2017, Pages 111–116
48. Khidir A. M. Hassan and **Md Ali Mujtaba** Oral Nano-Emulsion of Fenugreek Oil for treatment of Diabetes, *IJPAS*, 2017; Vol. 8(7): 3151-3154.
49. Intithar Mohammed M Alshammari, **Md Ali Mujtaba**, Public Knowledge and Awareness about Gout: A Cross-sectional Study in Qatar, *Journal of Pharmaceutical Research International* 17(4): 1-11, 2017.
50. **Ali Mujtaba**, Kanchan Kohli. In vitro/in vivo evaluation of HPMC/alginate based extended-release matrix tablets of cefpodoxime proxetil. *International journal of biological macromolecules*, Volume 89, August 2016, Pages 434–441
51. **Ali Mujtaba**, Mushir Ali, Kanchan Kohli. Formulation of Extended Release Cefpodoxime proxetil Chitosan-Alginate Beads using Quality by Design Approach. *International journal of biological macromolecules*, Volume 69, August 2014, Pages 420–429

52. **Ali Mujtaba**, Mushir Ali, Kanchan Kohli. Statistical optimization and characterization of pH-independent extended-release drug delivery of cefpodoxime proxetil using Box-Behnken Design, *Chemical Engineering Research and Design*, January 2014; 92(1), 156-165.
53. **Ali Mujtaba**, Kanchan Kohli, J. Ali, Dr Sanjula Baboota . Development of HPTLC method for the estimation of ondansetron hydrochloride in bulk drug and sublingual tablets, *Drug Testing and Analysis*, 2013 Feb;5(2):122-125.
54. **Ali Mujtaba**, Kanchan Kohli, Javed Ali, and Sanjula Baboota. Formulation and Evaluation of Sublingual Drug Delivery of Ondansetron Hydrochloride Tablets, *Advanced Science, Engineering and Medicine*, 2013 April;5(4) 259-264.
55. **Ali Mujtaba**, Mushir Ali, Kanchan Kohli. Influence of formulation variables and process parameters on the release performance of Cefpodoxime proxetil from HPMC and HPMC-Alginate based matrices, *Advanced Science, Engineering and Medicine* September 2013; 5(9), 950-956.
56. Md. Sarfaraz Alam, Md. Sajid Ali, Md. Shamim, Md Sarfaraj Hussain, **Md Ali Mujtaba**, Nawazish Alam. Preparation, Characterization and In Vitro Irritation Study of Clobetasol Propionate Loaded Nanoemulsion for Psoriasis and Atopic Dermatitis, *World Journal of Pharmacy and Pharmaceutical Sciences*, 2012 Nov; 1(4), 1189-1208.
57. Parul Srivastava, **Md Ali Mujtaba**, Manmohan Sigal. Gene and Cytokines expression of Multiple Sclerosis and its Therapeutic Regimen: A Systemic Review, *Int. J. Drug Dev. & Res.* September 2012; 4 (3): 55-66.

### (c) PATENTS

1. Alam MS, Ansari MS, Alam MS, Nazmi AS, Mustafa Gulam, Alharthi S, Chaubey P, Haider N, Fatima S, **Mujtaba MA**, Farooqui NA. Formulation of a synergistic herbal extract for the treatment of colorectal cancer. Indian Patent, Application Number 202311013151. Filed February 27, 2023 and issued March 17, 2023.
2. Ali MD, Ansari MS, Ali M, Ahmad S, Bhaduria P, Alam N, Ali MS, Mustafa G, Alam MS, **Mujtaba MA**. 2023, Formulation and evaluation of nanoparticulate in-situ gel of quercetin for ocular disease. Indian Patent, Application Number 202311002973, filed 14/01/2023 and issued 20/01/2023
3. Kaur G, Mandal S, Ali SA, Ali S, Kumari J, Sunita MS, Bhumika, Alam MS, Ali MD, **Mujtaba MA**, Sharma A. 2023, Formulation and evaluation of cynodon dactylon liposome for treatment of brain injuries. Application Number 202311008839, filed 10/02/2023 and issued 17/02/2023

### (d) BOOK CHAPTERS

1. **Mujtaba, A.**, Parveen, A., Alotaibi, N.M., Ali, M.D. and Patel, M., 2023. Alginate Based Matrix Tablet for Drug Delivery. In *Alginate Biomaterial: Drug Delivery Strategies and Biomedical Engineering* (pp. 1-18). Singapore: Springer Nature Singapore.
2. Gulam Mustafa, **Md Ali Mujtaba**, Sabna Kotta, Abdullah Habeeballah, Nabil A. Alhakamy, Hibah M. Aldawsari, Shahid Karim, Shadab Md, Chapter 8 - Drug product performance and scale-up process approval changes. In *Regulatory Affairs in the Pharmaceutical Industry*, Academic Press, 2022, Pages 215-240.
3. Md S, **Mujtaba MA**, Lim WM, et al. (2021). Nanoemulsions to preserve/ process bioactive and nutritional food compounds: contemporary research and applications. In: Ahmad J, Nolle LM. (eds.), *Nanoemulsions in food technology*, London: Taylor & Francis eBooks, 247–78.

## 5. Teaching

### (a) Summary of Courses Taught

| No | Courses taught by the applicant | Course Code | Number of Times Taught |
|----|---------------------------------|-------------|------------------------|
|    |                                 |             |                        |

|    |  |         |   |
|----|--|---------|---|
| 1  | Introduction to Pharmacy               | 3201211 | 3 |
| 2  | Pharmaceutical Calculation             | 3201212 | 2 |
| 3  | Physical Pharmacy                      | 3201213 | 2 |
| 4  | Dosage form-I                          | 3201221 | 2 |
| 5  | Dosage form-II                         | 3201322 | 2 |
| 6  | Drug Delivery system-I                 | 3201423 | 3 |
| 7  | Drug Delivery system-II                | 3201424 | 3 |
| 8  | Biopharmaceutics and Pharmacokinetics  | 3201431 | 2 |
| 9  | Pharmaceutics-IV (Industrial Pharmacy) | PH514   | 3 |
| 10 | Quality control                        | PH421   | 1 |

**(b) Research Students Supervised/Trained: Undergraduate level**

| Student name                   | Topic of research   | Research outcomes   |
|--------------------------------|---|---|
| Norah matar alshammari         | Knowledge, Attitudes and Awareness about Colorectal Cancer in the Kingdom of Saudi Arabia: A Cross Sectional Study.                                 | Published: Journal of Young Pharmacists, 2020; 12(3):266-270                  |
| Abdullah ajab hjaj alenazi     | A Survey of Public Knowledge and Attitude Related to Antibiotic use and Antibiotic Resistance among Saudi People in Northern Region of Saudi Arabia | Published: Journal of Young Pharmacists, 2020; 12(3):237-241                  |
| Wafaa salem alshammar          | Knowledge, attitudes and awareness about food and drug interactions (FDI) among pharmacists in northern border region of Saudi Arabia               | Published: IJBPAS, November, 2018, 7(11): 1922-1932                           |
| Amir mohammed alshamri         | The opinion and attitude about cupping therapy among general population of northern region of Saudi Arabia  | Published: ejpmr, 2017,4(11), 68-73   |
| Intithar mohammed m alshammari | Public Knowledge and Awareness about Gout: A Cross-sectional Study in Qatar   | Published: Journal of Pharmaceutical Research International 17(4): 1-11, 2017 |
| Mashaal farhan salem alanazi   | Mother's knowledge, attitude and practices of breast feeding in northern border region-saudi arabia   | Dissertation submitted  |
| Khalid Theyab                  | Awareness, attitudes and practices of pharmacists in Saudi Arabia toward adverse drug reactions and pharmacovigilance                               | Dissertation submitted  |
| Abeer Musnet Alanazi           | Public awareness about dyslipidemia and lipid profile screening in eastern province Saudi Arabia  | Dissertation submitted  |
| Amani Dhaher Huzum Alanazi     | Knowledge, attitudes and practices of Saudi people about nutritional Supplement   | Dissertation submitted  |
| Shahad Oudah Abaid Alanazi     | Use of bimatoprost for eyelash growth in Saudi Arabia   | Dissertation submitted  |

|                          |   |                        |
|--------------------------|---|------------------------|
| Dr. Mohammed Ali Mujtaba | Medical staff knowledge regarding methoxy polyethylene glycol-epoetin beta in treatment of anemia in renal failure patients in qassim region. | Dissertation submitted |
| Sultan Abdullah Alanazi  | Mothers knowledge and experience with oral liquids medication measurement, cross sectional survey in northern border region- Saudi Arabia     | Dissertation submitted |
| Ibrahim Mohammed Alzimam | Safety and efficacy of sevelamer carbonate in hyperphosphatemic pediatric patients with chronic kidney disease at risk of metabolic acidosis. | Dissertation submitted |

**(c) Training**

| Title   | Name & Addresses of Organization  | Date                      |
|---|---|---------------------------|
| Major instructional strategies and their effective usage in health professions education  | Deanship of University Education Development, Northern border University, KSA.                    | 14/2/2023                 |
| Workshop on "Ethical consideration in the application of artificial intelligence and big data in biological and medical research" | The National Committee of Bioethics (NCBE) At King Abdulaziz City For Science And Technology, KSA | 29/09/2022                |
| National Committee of Bioethics (NCBE) web-based training course  | King Abdulaziz City for Sciences and Technology (KACST)   | 26/10/2020 to 26/10/2023  |
| Certified BLS Provider  | Certified BLS Provider  | 25/5/2018 to 27/5/2020    |
| Animal model experimental medicine and Coronavirus  | Virtual Medical Academy accredited by Saudi commission for Health specialities                    | 13/5/2020                 |
| MCP 200 Modular Circular Polarimeter  | College of Pharmacy, Northern Border University, Rafha  | December 10, 2017         |
| Compact Titrator Model: G20S (Manufactured by Mettler Toledo - Swiss)   | College of Pharmacy, Northern Border University, Rafha  | May 24-25, 2017           |
| Workshop on Research methodology and publication for University interest  | Deanship of Scientific Research, Northern Border University                                       | February 22, 2017         |
| Workshop on "HOW TO MAKE A GOOD EXAMINATION?"   | Faculty of Pharmacy, Northern border University, KSA.   | 05 <sup>th</sup> Feb 2019 |
| CME on Research Methodology   | Faculty of Pharmacy, Northern border University, KSA  | 13-11-2018                |
| Student guidance workshop   | Faculty of Pharmacy, Northern border University, KSA  | 23-10-2018                |

|  |   |                               |
|--|---|-------------------------------|
| Blackboard training workshop   | Faculty of Pharmacy, Northern border University, KSA                              | 21-10-2018 to 22-10-2018      |
| Blackboard Training workshop   | Faculty of Pharmacy, Northern border University, KSA                              | 31 Jan 2018                   |
| “Hand on training programme for particle size analyzer and freeze dryer instruments” | Department of Pharmaceutics, Faculty of Pharmacy, Northern border University, KSA | 4 <sup>th</sup> December 2017 |

#### 6. Academic Honors and Awards Name of the Award, Awarding Institution, Year

- ✚ Potential reviewer of Pharmaceutics, Separation and Journal of cosmetic dermatology since 2022.
- ✚ 2021- Got **certificate of appreciation** from The Honorable Dean, faculty of Pharmacy, Northern Border University, Saudi Arabia for active contribution and valued efforts.
- ✚ 2018- Got **certificate of appreciation** from The Honorable Dean, faculty of Pharmacy, Northern Border University, Saudi Arabia for **Supervision of students participated in Poster presentation in 23<sup>rd</sup> DUPHAT**, 26-28 February 2018, Dubai.
- ✚ 2017- Got certificate of appreciation from The Honorable Dean, faculty of Pharmacy, Northern Border University, Saudi Arabia for **“winning the innovative poster presentation”** in **22<sup>nd</sup> DUPHAT**, 7-9 March 2017, Dubai.
- ✚ 2016- Got **certificate of appreciation** for the **In charge of scientific activity** in faculty of Pharmacy, Northern Border University, Saudi Arabia.
- ✚ 2014- Got certificate of recognition for the **research work and its publication in high impact journal** from **Hamdard University, New Delhi.**
- ✚ 2014- Got certificate of recognition for the **research work and its publication in high impact journal** from **Hamdard University, New Delhi.**
- ✚ 2013- **Foreign Travel Grant** by **Department of Science & Technology, Gov. of India** for presentation of scientific paper in, "Controlled Release Society 2013, Hawaii, USA (2013).

#### 7. Membership of Professional Bodies Name of Professional Body, Membership Grade, Joining Date (MM/YY)

- ✚ Registered Pharmacist, with Delhi Pharmacy Council's Reg. No. 18203.
- ✚ Life member of Indian Pharmacy Graduates' Association Reg. No. LM-3776.
- ✚ Life member of Association of Pharmaceutical teachers of India Reg. No. BI/LM-23.
- ✚ Recognized Lecturer in “Pharmacy council of India” Govt. of India.

#### 8. Language Proficiency List of spoken/written languages and level of proficiency

| S. No | Foreign Language | Level |      |         |
|-------|------------------|-------|------|---------|
|       |                  | Fair  | Good | V. Good |
| 1     | English          | -     | -    | ✓       |
| 2     | Arabic           | ✓     | -    | -       |
| 3     | Hindi            | -     | -    | ✓       |
| 4     | Urdu             | -     | -    | ✓       |

**Declaration:**

I hereby declare that the above said information and details are true to the best of my knowledge and skill.

**(MD ALI MUJTABA)**