CURRICULUM VITAE OF

Dr Mohamed Abbas Ibrahim Hamoudah

Professor

Kayyali Chair for Pharmaceutical Industries, Department of Pharmaceutics, College of Pharmacy, King Saud University, Riyadh, Kingdom of Saudi Arabia

Name: Mohamed Abbas Ibrahim Hamoudah

Address Kayyali Chair for Pharmaceutic Industries, Department of Pharmaceutics, College of Pharmacy, King Saud University, Riyadh, Kingdom of Saudi Arabia

Telephone +96614670681

Cell Phone +966534692427

Email abbma71@yahoo.com, abbma71@gmail.com and mhamoudah@ksu.edu.sa

Date of Birth 22.08.1971

Place of Birth Assiut, Egypt

Nationality Egyptian

Marital Status Married

Employment History

1995 to 2000: Assistant in the Department of Pharmaceutics, Faculty of Pharmacy, Al-Azhar University, Assiut Branch, Assiut, Egypt

2000 to 2005: Lecturer Assistant in the Department of Pharmaceutics, Faculty of Pharmacy, Al-Azhar University, Assiut Branch, Assiut, Egypt

2002 to 2005: Member of the Fellowship in the University of Regensburg, Regensburg, Germany

2005 to 2009: Lecturer in the Department of Pharmaceutics, Faculty of Pharmacy, Al-Azhar University, Assiut Branch, Assiut, Egypt.

October 2009: Assistant Professor in Kayyali Chair for Pharmaceutical Industries, Department of Pharmaceutics, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

October 2012: Associate Professor in Kayyali Chair for Pharmaceutical Industries, Department of Pharmaceutics, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

September 2020: Professor in Kayyali Chair for Pharmaceutical Industries, Department of Pharmaceutics, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

Details of Degrees, and Certifications

May 1995: Bachelor of Pharmaceutical Sciences, Assiut University, Assiut Egypt

September 2000: Master Degree of Pharmaceutical Sciences (Pharmaceutics), Assiut University, Assiut Egypt

December 2004: Doctor of Philosophy of Pharmaceutical Sciences (Pharmaceutics) , Al-Azhar University, Cairo, Egypt

July 2010: Assistant Professor, Dept. of Pharmaceutics, Al-Azhar University, Assiut, Egypt.

October 2015: Professor, Dept. of Pharmaceutics, Al-Azhar University, Assiut, Egypt.

Industrial Courses Teaching

1- Pharmaceutical Quality by Design (QbD)
2- Process Analytical Technology (PAT)
3-Good manufacturing practices (Starting materials)
4- Orally disintegrating tablets (ODTs)
5- Pellets as a drug delivery system
6- Tablet manufacture and quality control.
7- Nanonization by milling
8- Pharmaceutical disperse systems
9-Transdermal and topical drug delivery systems
10- Chemical stability of pharmaceutical products
11- Pharmaceutical calculations
12- Definition and sources of APIs and excipients.
13- Pharmacopeia and FDA requirements (Draft Guidance of Drug Product)
14-Excipients Quality Standard
15- Common Technical Document (CTD) & Certification procedure

16- Receipt, Quarantine and storage of raw materials and Raw material quality strategy/ Effect of Raw Material Attributes on Product Quality.

17- Quality Control for manufacturing procedures and equipment.

18- In Process Quality Control.

19- Quality Control of powders: Particle size and Flowability.

20- Quality Control for of Mixing

Publications

1-M. I. Fetouh, S. Ismail, S. A. El-Harras and **Mohamed A. Ibrahim**, Formulation and evaluation of anti-inflammatory activity of tenoxicam from different gel bases, *3rd pharmaceutical sciences conference, Assiut, Egypt, March 2002.*

2- K. I. Saleh, A. Ismail, **Mohamed A. Ibrahim**, G. M. S. Zayed, S. Abd-El-Rasoul and A. Abd-Elfattah, Evaluation of trapping efficiency and release characteristics of alginate beads as a function of drug solubility, *3rd pharmaceutical sciences conference, Assiut, Egypt, March 2002.*

3- M. I. Fetouh, S. Ismail, S. A. El-Harras and **Mohamed A. Ibrahim**, Solubilization of tenoxicam via different techniques, *Bull. Pharm. Sci. Assiut University, 25 (2002) pp. 53-68.*

4- **Mohamed A. Ibrahim**, A. Ismail, M. I. Fetouh and A. Göpferich, Stability of insulin during the erosion of Poly(lactic) and Poly(lactic-co-glycolic) acid microspheres, *J. Control. Release, 106 (2005) pp. 241-252*.

5- A. Ismail, K. I. Saleh, **Mohamed A. Ibrahim** and S. Khalaf,Effect of porous silica as a drug carrier on the release rate of naproxen from emulgel, *Bull. Pharm. Sci. Assiut University, 29 (2006) pp. 224-235.*

6- Khaled A. Khaled, Hatem A. Sarhan, **Mohamed A. Ibrahim** and Youssef W. Naguiba, Study of the effect of formulation parameters on the release of prednisolone from biodegradable microspheres, Proceedings the *Conference 30 of Pharmaceutical Society of Egypt, Cairo, Egypt, December 2006*

7- S. M. Ahmed**, Mohamed A. Ibrahim**, H. A. Sarhan, M. A. Amin, Formulation and characterization of biodegradable chitosan films for topical application of terbinafine Hcl, *Bull. Pharm. Sci. Assiut University, 30(2007)111-129.*

8- Khaled A. Khaled, Hatem A. Sarhan, **Mohamed A. Ibrahim** and Youssef W. Naguib, Controlled release prednisolone poly (dl-lactide) microspheres: Impact of formulation parameters, characterization and release mechanism, *Bull. Pharm. Sci. Assiut University, 31(2008) 49-67.*

9- H. Sarhan, **Mohamed A. Ibrahim** and, Mohamed A. Amin and A. K. F. Dyab, Topical Emulsions Stabilized By Silica Nanoparticles: In Vitro Release and Anti-Inflammatory Studies of Flurbiprofen and Diclofenac Sodium, Bull. Pharm. Sci. Assiut University, 31,155-167 (2008).

10- E. A. Zen-aldeen, A. K . Hussein, **Mohamed A. Ibrahimand** M. A Amin, Physicomechanical Properties and Release of Ketorolac Tromethamine from Chitosan Films: Effect of Inclusion of Different Polyols Plasticizers, Bull. Pharm. Sci. Assiut University, 31, 229-247 (2008).

11- K. I. Saleh, **Mohamed A. Ibrahim**, T. M. Faris. Preparation and Evaluation of Theophylline Loaded Bovine Serum Albumin Microspheres, Bull. Pharm. Sci. Assiut University, 32, 65-84 (2009*)*.

12- **Mohamed. A. Ibrahim**, Ketoconazole binary and ternary solid dispersions in different macromolecular matrices, *Marcomolecules: an Indian journal*, December Vol. 5(1-2) 1-8, 2009.

13- Gamal M. Mahrous, **Mohamed A. Ibrahim**, Mahmoud El-Badry, Fars K. Al-Anazi, Indomethacin Sustained Release Pellets Prepared By Extrusion/Spheronization, J. Drug Deliv. Sci. Technol., 20 (2) 119-125 (2010).

14- Khaled A. Khaled, Hatem A. Sarhan, **Mohamed A. Ibrahim**, Azza H. Ali, Youssef W. Naguib, Prednisolone-loaded PLGA Microspheres. In vitro Characterization and in vivo Application in Adjuvant-Induced Arthritis in Mice, AAPS Pharm.sci.Technol. 11 (1) 859-869 (2010).

15- **Mohamed. A. Ibrahim**, Assessment of insulin stability inside diblock copolymer PEG-PLA microspheres, Scient. Pharm. 78, 493-505 (2010).

16- **Mohamed A. Ibrahim**, M.A. Amin, G. Fetih, A. Abou Ela, Formulation and evaluation of ketorolac tromethamine-Eudragit solid dispersions of potential sustained-release properties, STP Pharma Pratiques, 20 (3)189-200 (2010).

17- Ahmed M. El-Toni, Mohamed W. Khan, **Mohamed A. Ibrahim**, Mohamed Abid, Mansour Al-Hoshan and Mohamed Al-salhia, Synthesis of double mesoporous core–shell silica nanospheres with radially oriented mesopores via

one-templating step using anionic surfactant, Chem. Commun., 46, 6482–6484 (2010).

18- Ibrahim M. El-Bagory, Nahla Brakat, Mahmoud El-Badry, **Mohamed A. Ibrahim** and Fouza El-Enazi, Effect of Polymer Blend on Diltiazem HCl Matrix Tablets Prepared by Direct Compression. Submitted to J. Pharm. Sci. Technol, 2 (7), 252-268 (2010).

19- G. Fetih, **Mohamed A. Ibrahim** and M.A. Amin, Design and characterization of transdermal films containing ketorolac tromethamine, Int. J. of PharmTech Res., 3 449-458 (2011).

20- Amal K. Hussein, **Mohamed A. Ibrahim**, Mohamed A. Amin, Osama A. A. Ahmed, Mohsen I. Afouna, Improved In Vitro Dissolution Parameters and In Vivo Hypolipidimic Efficiency of Atorvastatin Calcium through the Formation of Hydrophilic Inclusion Complex with Cyclodextrins, Drug Dev. Res. 72, 379-390 (2011).

21- Haitham F. Mostafa, **Mohamed A. Ibrahim**, Gamal M. Mahrous, Adel Sakr, Assessment of the pharmaceutical quality of marketed enteric coated pantoprazole sodium sesquihydrate products, Saudi Pharmaceutical Journal 19, 123–127 (2011).

22- Mohamed H. Fayed, Gamal M. Mahrous, **Mohamed A. Ibrahim** and Adel Sakr, Influence of Carbopol 71G-NF on the release of Dextromethorphan Hydrobromide from Extended release Matrix Tablets, Pharm. Devlop. Technol., 18. 971—981 (2013).

23- Walid F. Sakr, **Mohamed A. Ibrahim**, Fars K. Al-Anazi, Adel A. Sakr, Upgrading wet granulation monitoring from hand squeeze test to mixing torque rheometry, Review, Saudi Pharmaceutical Journal, 20, 9-19 (2011).

24- **Mohamed A. Ibrahim**, Gamal M. Mahrous, Mahmoud El-Badry, Fars K. Al-Anazi, Indomethacin-Loaded Pellets Prepared by Extrusion/Spheronization: Effect of Cosolvents, Farmacia 59 (4) 483-499 (2011).

25- Mahmoud M. Ahmed, Saleh Abd El-Rasoul, Sayed H. Auda, **Mohamed A. Ibrahim**, Emulsification/ Internal Gelation as a Method for Preparation of Diclofenac Sodium- Sodium Alginate Microparticles, Saudi Pharm. J., 12, 61-69 (2013).

26- Gamal M. Mahrous, Gamal A. Shazly, **Mohamed A. Ibrahim**, Formulation and Evaluation of Meclizine HCl Orally disintegrating Tablets. Bull. Pharm. Sci. Assiur University, 34, 141-148 (2011).

27- Ibrahim El-Bagory, Nahla Barakat, **Mohamed A. Ibrahim**, Fouza El-Enazi, Formulation and In Vitro Evaluation of Theophylline Matrix Tablets Prepared by Direct Compression: Effect of Polymer Blends. Saudi Pharm. J., 20, 229-238 (2012).

28- **Mohamed A. Ibrahim**, Fars K.Al-Anazi, Pellets as a drug delivery system: Formulation and evaluation aspects. Research -Reviews in Polymer, 3, 55-63 (2012).

29- **Mohamed A. Ibrahim**, Sayed H.Auda, Ihab T.Abdel-Raheem, Tiaprofenic acid-Eudragit sustained release solid dispersions. Reviews in Polymer, 3, 67-73 (2012).

30- **Mohamed A. Ibrahim**, Fars K. Al-Anazi, Enhancement of the Dissolution of Albendazole from Pellets Using MTR Technique. Saudi Pharm. J., 21, 215-223 (2013).

31-**Mohamed A. Ibrahim**, Ahmed M. El-Toni, Aslam Khan, Joselito P. Labis, Mansour Al-Hoshan, Impact of Textural Properties of Double Mesoporous Core-Shell Silica Nanospheres on Drug Loading and In Vitro Release. Digest. J. Nan. Mat. Biostruct., 7, 447-458 (2012).

32- Ahmed M. El-Toni, Aslam Khan, **Mohamed A Ibrahim**, Joselito P. Labis, Gamal Badr, Mansour Al-Hoshan, et al., Synthesis of double mesoporous core-shell silica spheres with tunable core porosity and their drug release and cancer cell apoptosis properties. J. Colloid. Interface Sci., 378, 83-92 (2012).

33- Gamal A. Shazly, **Mohamed A. Ibrahim**, Mohamed M. Badran, Khairy M. A. Zoheir, Utilizing Pluronic F 127 and Gelucire 50/13 Solid Dispersions for Enhanced Skin Delivery of Flufenamic Acid. Drug Dev. Res., 73 (2012) 299-307.

34- Haitham F. Mostafa, **Mohamed A. Ibrahim** and Adel Sakr, Development and Optimization of Dextromethorphan hydrobromide Oral Disintegrating Tablets: Effect of formulation and process variables. Pharm. Dev. Technol., 18 (2013) 454-63.

35- Ahmed El-Toni, Aslam Khan, Joselito Labis, **Mohamed A. Ibrahim**, Mansour Al-Hoshan. Synthesis of Magnetic Core–Mesoporous Silica Shell

Nanoparticles Using Anionic Surfactant and Their Application for Ketoprofen Control Release. Chemistry Letters, 41 (2012) 1357-1359.

36- Ahmed El-Toni, Aslam Khan, **Mohamed A. Ibrahim**, Mansour Al-Hoshan, Joselito Labis. Fabrication of mesoporous silica shells on solid silica spheres using anionic surfactants and their potential application in controlling drug release. Molecules, 17 (2012) 13199-13210.

37- **Mohamed Abbas Ibrahim**, Formulation and Evaluation of Mefenamic Acid Sustained Release Matrix pellets. Acta Pharm., 63 (2013) 85–98.

38- **Mohamed Abbas Ibrahim**, Mahmoud El-Badry, Formulation of Immediate Release Pellets Containing Famotidine Solid Dispersions. Saudi Pharm. J., 22 (2), 149-156, 2014.

39- **Mohamed A. Ibrahim**, Ehab A. Fouad, Mahmoud El-Badry, Employing Compritol in a Mixed Matrix for Sustaining Chlorpheniramine maleate Release: Kinetic Study. Digest. J. Nan. Mat. Biostruct., 8 (2), 737-746, 2013.

40- Ahmed El-Toni, **Mohamed Ibrahim**, Joselito Labis, Aslam Khan, Mansour Al-Hoshan, Optimization of synthesis parameters for mesoporous shell formation on magnetic nanocores and their application as nanocarriers for docetaxel cancer drug. Int. J. Molec. Sci., 14, 11496-11509 (2013).

41- Gamal A. Shazly, Hesham M. Tawfeek, **Mohamed A. Ibrahim**, Sayed H. Oudaa, Mona El-Mahdy. Formulation and evaluation of fast dissolving tablets containing taste-masked microspheres of diclofenac sodium for sustained release. Digest. J. Nan. Mat. Biostruct. 8 (3), 1281-1293, 2013.

42- **Mohamed Abbas Ibrahim**, Tenoxicam-Kollicoat IR® Binary Systems: Physicochemical and Biological Evaluation. Acta Pol. Pharm. Drug Research, 71 (4), 647-659, 2014.

43- M. El-badry, Maha A. Hassan, **Mohamed A. Ibrahim**, Hanaa Elsaghir, Performance of Poloxamer 407 as Hydrophilic Carrier on the Binary Mixtures with Nimesulide. FARMACIA, 2013, 61,(6) 1137-1150.

44- Sayed H. Auda, Mahmoud El-Badry, **Mohamed A. Ibrahim**, Design, Formulation and Characterization of Fast Dissolving Films Containing Dextromethorphan. Digest. J. Nan. Mat. Biostruct. 9 (1), 133-141, 2014.

45- Haitham F. Mostafa, **Mohamed A. Ibrahim**, Adel Sakr, Dextromethorphan HBr Orally Disintegrating Tablets: Development and Optimization Using Different Formulation Variables. Pharm. Ind., 8, 1300-1311, 2014.

46- Ahmed M. El-Toni, Mohamed A. Habila, **Mohamed A. Ibrahim,** Joselito P. Labis, Zeid A. ALOthman, Simple and facile synthesis of amino functionalized hollow core–mesoporous shell silica spheres using anionic surfactant for Pb(II), Cd(II), and Zn(II) adsorption and recovery. Chem. Engineer. J. 251 (2014) 441–451.

47- **Mohamed Abbas Ibrahim**, Gamal A. Shazly, Evaluation of Diclofenac Sodium Sustained Release Matrix Pellets: Impact of Polyethylene glycols Molecular Weight. Acta Pol. Pharm. Drug Research, 71 (5), 821-831, 2014.

48- **Mohamed Abbas Ibrahim**, Gamal A. Shazly, Mahmoud El-Badry, Albendazole Microparticles Prepared by Spray Drying Technique: Improvement of Drug Dissolution. Trop. J. Pharm. Res., 13 (12): 1963-1970, 2014.

49- Ehab A Fouad, **Mohamed A Ibrahim**, Mahmoud El-Badry, Embedment of Chlorpheniramine Maleate in Directly Compressed Matrix Tablets of Compritol and Kollidone SR. Trop. J. Pharm. Res., 14 (3): 371-377 (2015).

50- Gamal A. Shazly, **Mohamed A. Ibrahim**, Sayed H. Auda, Mahmoud El-Badry, Saleh A. AL-Suwayeh, Faiyaz Shakeel, Taste-Masked Spray Dried Microparticles for Intra-Oral Dispersible Tablets of Lornoxicam. Lat. Am. J. Pharm. 34 (3): 488-95 (2015).

51- **Mohamed A. Ibrahim**, Gamal M. Mahrous, Gamal A. Shazly, Awwad A. Radwan. Formulation of Theophylline-Loaded Pellets Based on Chitosan: Powder Wet Mass Characterization. Lat. Am. J. Pharm. 34 (4): 797-802 (2015).

52- Gamal A. Shazly, **Mohamed A. Ibrahim**, Losartan Potassium Taste-masked Oral Disintegrating Tablets for Hypertensive Patients. Lat. Am. J. Pharm. 35 (1): (2016) 1055–1062.

53- Doaa H. Alshora, Nazrul Haq, Fars K. Alanazi, **Mohamed A. Ibrahim**, Faiyaz Shakeel, Solubility data of rosuvastatin calcium in different neat solvents at different temperatures. J. Chem. Thermodynamics, 94(2016) 230-233.

54- **Mohamed A. Ibrahim**, Maha A. Hassan, Nourah A. Al Enazi, Hanaa A. Mahmoud, Mahmoud El-Badry, Nimesulide sustained release matrix pellets

prepared by extrusion/spheronization. Lat. Am. J. Pharm. 35 (8): 1861-70 (2016).

55- G. M. Mahrous, M. G. Kassem, **Mohamed A. Ibrahim**, S. H. Auda, Formulation and evaluation of orally disintegrating clopidogrel tablets. Braz. J. Pharm. Sci. 52(2), apr./jun., 2016.

56- S. H. Auda, G. M. Mahrous, E. M. Elzayat, **Mohamed A. Ibrahim,** G. M. Shazly, Fluconazole Dermal patches, Preparation, Characterization and InVitro Evaluation. Lat. Am. J. Pharm. 35 (7): 1645-1650 (2016).

57- Sayed H. Auda, Gamal M. Mahrous, Mohamed A. Ibrahim, Gamal A. Shazly, Mounir M. Salem-Bekhit. Novel chlorhexidine dermal patches, preparationcharacterization and antimicrobial evaluation. Polym. Bull., 47 (2017), 3995-4007..

58- Nazrul Haq, Faiyaz Shakeel, Fars Alanazi, Doaa H Alshora, **Mohamed A. Ibrahim**. Development and validation of a 'green' RP-HPLC method for the analysis of rosuvastatin: A step towards making liquid chromatography environmentally benign. Green Proces. Synth. 7(2018) 160-169.

59-Faiyaz Shakeel, Sultan Alshehri, **Mohamed A. Ibrahim**, Ehab M. Elzayat, Mohammad A. Altamimi, Kazi Mohsin, Fars K. Alanazi, Ibrahim A. Alsarra, Solubility and thermodynamic parameters of apigenin in different neat solvents at different temperatures. J. Molec. Liq. 234 (2017) 73-80.

60-**Mohamed A. Ibrahima**, Amal E. F. Abou El Ela, Optimized furosemide taste masked orally disintegrating tablets. Saudi Pharm. J. 25 (7) 2017, 1055-1062.

61- **Mohamed A. Ibrahim**, Mounir M. Salem-Bekhit, Optimization of controlled release Ciprofloxacin dermal hydrogels using different chitosan molecular weights. Biointerf. Res. Appl. Chem. 7, 2009 – 2015, 2017.

62- Sultan Alshehri, Faiyaz Shakeel, **Mohamed Ibrahim**, Ehab Elzayat, Mohammad Altamimi, Gamal Shazly, Kazi Mohsin, Musaed Alkholief, Bader Alsulays, Abdullah Alshetaili, Abdulaziz Alshahrani, Bander Almalki, Fars Alanazi. Influence of the microwave technology on solid dispersions of mefenamic acid and flufenamic acid. Plos one, July 31, 2017, 1-18.

63- Faiyaz Shakeel, Nazrul Haq, Sultan Alshehri, **Mohamed A. Ibrahim**, Ehab Elzayat, Mohammad Altamimi, Kazi Mohsin, Fars Alanazi, Ibrahim Alsarra. Solubility, thermodynamic properties and solute-solvent molecular interactions of luteolin in various pure solvents. J. Molec. Liquids 255 (2018) 43–50.

64- Gamal Shazly, Sultan Alshehri, **Mohamed A. Ibrahim**, Hesham Tawfeek, Jelan A. Razik, Yasser Hassan, Faiyaz Shakeel. Development of Domperidone Solid Lipid Nanoparticles: In Vitro and In Vivo Characterization. AAPS PharmSciTech. 19(4) 1712-1719, 2018.

65. **Mohamed A. Ibrahim,** Gamal M. Mahrous. Effect of wet mass on dextromethorphan hydrobromide matrix pellets. Braz. J. Pharm. Sci. 54(4)1-9 (2018).

66. Mohammad Altamimi, Ehab M Elzayat, Sultan M Alshehri, Kazi Mohsin, **Mohamed A Ibrahim**, Osaid A Al Meanazel, Faiyaz Shakeel, Fars K Alanazi, Ibrahim A Alsarra. Utilizing spray drying technique to improve oral bioavailability of apigenin. Advanced Powder Technol. 29 (7): 1676-1684, 2018.

67. Doaa H. Alshora, **Mohamed A. Ibrahim**, Ehab Elzayat, Osaid Almeanazel, Fars Alanazi. Rosuvastatin calcium nanoparticles: Improving bioavailability by formulation and stabilization codesign. PLoS ONE 13(7):1-17, 218.

68. **Mohamed A. Ibrahim**, Gamal A. Shazly, Fadilah S. Aleanizy, Fulwah Y.Alqahtani, Gehan M. Elosaily. Formulation and Evaluation of Docetaxel Nanosuspensions: In-vitro Evaluation and Cytotoxicity. Saudi Pharm J., 27 (2019) 49–55.

69- **Mohamed A. Ibrahim**, Gamal M. Zayed, Fahd M. Alsharif, Wael A. Abdelhafez. Utilizing Mixer Torque Rheometer in the Prediction of Optimal Wet Massing Parameters for Pellet Formulation by Extrusion/Spheronization. Saudi Pharm. J., 27, 182-190, 2019.

70- S. M. Alshehri, F. Shakeel, **Mohamed A. Ibrahim**, E. M. Elzayat, M. Altamimi, K. Mohsin, O. T. Almeanazel, M. Alkholief, Abdullah Alshetaili, B. Alsulays, F. K. Alanazi, I. A. Alsarra. Dissolution and bioavailability improvement of bioactive apigenin using solid dispersions prepared by different techniques. Saudi Pharm. J., 27, 264-273, 2019.

71- Mohamed A Ibrahim, Gamal A Shazly, Gehan M Elossaily, Essam Ezzeldin, Fadilah Sfouq Aleanizy. Physicochemical, pharmacokinetics, and histological evaluation of new naproxen-quercetin co-lyophilizate to diminish drug-induced gastric irritations in rats. Saudi Pharm. J, accpetyed 5 Jan, 2019.

72- Gamal M. Mahrous, **Mohamed A. Ibrahim**, Haitham F. Mostafa Ehab M. Elzayat. Application of a quality-by-design approach for utilizing sodium stearyl fumarate as a taste-masking agent in dextromethorphan hydrobromide orally disintegrating tablets. Pharm. Dev. Technol, accpted 1, 2019, 1-9.

73- Mohd A. Alam, Nuha I. Abou Obaid, **Mohamed A. Ibrahim**, Mohammad Raish, Fahad I. Al-Jenoobi, A Validated Ultra-Performance Liquid Chromatography Tandem Triple Quadrupole Mass Spectrometric Method for Fast Determination of Losartan in Rabbit Plasma. J. Chromatog. Sci., (2018) 4, 1-8.

74. Ehab Elzayat, Faiyaz Shakeel, Sultan Alshehri, **Mohamed A. Ibrahim**, Mohammad Altamimi, Kazi Mohsin , Fars Alanazi , Nazrul Haq. UHPLC assisted simultaneous separation of apigenin and prednisolone and its application in the pharmacokinetics of apigenin. J Chromatog B. 1117 (2019) 58-65.

75. **Mohamed A. Ibrahim**, Amal E Abou El Ela, Nouf M Al-Rasheed, Maha A Al-Amin. Physicochemical and pharmacodynamic evaluation of pioglitazone

binary systems with hydrophilic carriers. Pharm Dev Technol. 24(7) 883-890, 2019.

76. Doaa H. Alshora, **Mohamed A. Ibrahim**, Ehab Elzayat, Osaid Almeanazel, Fars Alanazi. Defining the Process Parameters Affecting the Fabrication of Rosuvastatin Calcium Nanoparticles by Planetary Ball Mill. Int J Nanomed. 14 (2019) 4625-4636.

77. Khalid F Alhasani Mohsin Kazi, **Mohamed Abbas Ibrahim,** Ahmad A Shahba, Fars K Alanazi. Self-nanoemulsifying ramipril tablets: a novel delivery system for the enhancement of drug dissolution and stability. Int J Nanomed. 14(2019) 5435–5448.

78. Laila F. Baidas, Noura M. AlRasheed, Rufaidah Murad, **Mohamed Abbas Ibrahim.** Effects of antioxidants on the shear bond strength of orthodontic

brackets bonded to bleached human teeth: An in vitro study. J Contem Dent Pract., 21(2020) 140-147.

79. Gamal M. Zayed, Saleh Abd-El Rasoul, **Mohamed A. Ibrahim**, Mohammed S. Saddik, Doaa H. Alshora. In Vitro and In Vivo Characterization of Domperidone-Loaded Fast Dissolving Buccal Films. Saudi Pharm. J. 28(2020) 266-273.

80. Ahmed A. H. Abdellatif, **Mohamed A. Ibrahim**, Mohammed A. Amin, Hamzah Maswadeh, Muhammed N. Alwehaibi, Sultan N. Al-Harbi, Zayed A. Alharbi, Hamdoon Mohammed, Ahmed B. M. Mehany, Imran Saleem. Cetuximab Conjugated with Octreotide and Entrapped Calcium Alginate-beads for Targeting Somatostatin Receptors. Scientific Reports 10 (2020) 4736-4749.

81. Doaa H Alshora, Shaikha Alsaif, **Mohamed A Ibrahim**, Essam Ezzeldin, Osaid T Almeanazel, Amal El Sayeh Abou El Elaa, Lubna Y. Ashri. Co-stabilization of pioglitazone HCl nanoparticles prepared by planetary ball milling: in-vitro and in-vivo evaluation. Pharm Dev. Technol. 25(7):845-854, 2020.

82. Lubna Y Ashri, Amal F Abou El Ela, **Mohamed A Ibrahim**, Doaa H Alshora, Marianne J. Naguib. Optimization and Evaluation of Chitosan Buccal Films Containing Tenoxicam for Treating Chronic Periodontitis: in vitro and in vivo studies. J Drug Deliv Sci Technol. Accepted 1 April, 2020.

83. Nuha I. Abou Obaid, Fahad I. Al-Jenoobi, **Mohamed A. Ibrahim**, Mohd A. Alam. Losartan potassium sustained release pellets with improved in vitro and in vivo performance. Pharm Dev Technol. 2020 Jun 28;1-12.

84. Gamal Zayed, **Mohamed A. Ibrahim**, Doaa H. Alshora, Omar H. El-Garhy, Islam Kamal, Mohammed A. Amin, Adel G. Bakrf, Fares E.M. Ali. Novel water-soluble lubricant for the preparation of tiemonium methylsulfate fast-dissolving tablets. J Drug Deliv Sci Technol. 60 (2020) 102031.

85. Arwa Ibrahim Al-Mogherah, **Mohamed Abbas Ibrahim** and Maha Abdelazeem Hassan. Optimization and Evaluation of Venlafaxine Hydrochloride Fast Dissolving Oral Films. Saudi Pharm. J., 28 (2020) 1374–1382.

86. Doaa Hasan Alshora, Mohamed Abbas Ibrahim, Essam Ezzeldin, Muzaffar Iqbal. Optimized flurbiprofen sustained-release matrix pellets prepared by extrusion/spheronization. J. Drug Deliv. Sci. Tecnol. 59 (2020) 101902.

87. Gamal A. Shazly, Gehan M. Elossaily, Mohamed A. Ibrahim, Omar S. Aljohani, Usama A. Fahmy, Kazi Mohsin. Simvastatin Loaded D-α-tocopherol Polyethylene Glycol 1000 Succinate Micelles Augments Cytotoxicity Against Breast Cancer Cells. Int. J. Pharmacol., 16 (7): 492-499, 2020.

88. Doaa H Alshora, **Mohamed A Ibrahim**, Ahmed M Alomar, Tahani N Alsufian. Post-marketing assessment of Esomeprazole and Lansoprazole enteric coated products available in Saudi Arabia based on quality control. J. Pharm. Res. Int. 33(10): 94-106, 2021.

89. Sultan Alshehri, Faiyaz Shakeel, **Mohamed A Ibrahim**, Mohammad Altamimi, Nazrul Haq, Ehab Elzayat, , Gamal Shazly, Kazi Mohsin. Solubilization and thermodynamic properties of simvastatin in various micellar solutions of different non-ionic surfactants: Computational modeling and solubilization capacity. PLOS ONE, Accepted 19 March, 2021.

90. Hamzah Maswedah, Ahmed A. H. Abdellatif, Mohammed A. Amin, **Mohamed A Ibrahim**. Prediction of Plasma Drug Concentration Profiles and Pharmacokinetic Parameters of Nifedipine Commercial Tablets Using the Convolution Method. Res J Pharm Technol., Accepted 26 March, 2021.

Published Book Chapters

1- Doaa H. Alshora, **Mohamed A. Ibrahim**, Fars K. Alanazi**.** Nanotechnology from particle size reduction to enhancing aqueous silubuility. In: Alexandru M. Grumezescu (Ed.), Surface chemistry of nanobiomaterials, applications of nanobiomaterials, ElSEVEIR, New York, 2016, p 163-192.

2- **Mohamed A. Ibrahim,** Ahmed Abdellatif. Applications of nanopharmaceuticals in delivery and targeting. In: Eric Lichtfouse, Jan Schwarzbauer, Didier Robert (Ed.), Environmental Chemistry for a Sustainable World, Springer, ISSB 978-3-540-31169-0, Feb. 2021.

3. Doaa H Alshora, **Mohamed A Ibrahim**, Gamal MS Zayed. Introductory to Nanotechnology and Herbal-Based Nanoparticulate Systems. In: Advance Pharmaceutical Herbal Nanoscience: Targeted Drug Delivery System. Bentham Science Publishers. Accepted.

Conferences

1-M. I. Fetouh, S. Ismail, S. A. El-Harras and M. Abbas, Formulation and evaluation of anti-inflammatory activity of tenoxicam from different gel bases, *3rd pharmaceutical sciences conference, Assiut, Egypt, March 2002.*

2- K. I. Saleh, A. Ismail, M. A. Ibrahim, G. M. S. Zayed, S. Abd-El-Rasoul and A. Abd-Elfattah, Evaluation of trapping efficiency and release characteristics of alginate beads as a function of drug solubility, *3rd pharmaceutical sciences conference, Assiut, Egypt, March 2002.*

3- Khaled A. Khaled, Hatem A. Sarhan, Mohamed A. Ibrahim and Youssef W. Naguiba, Study of the effect of formulation parameters on the release of prednisolone from biodegradable microspheres, Proceedings the *Conference 30 of Pharmaceutical Society of Egypt, Cairo, Egypt, December 2006.*

4- K. I. Saleh, M. A. Ibrahim, T. M. Faris. Formulation, Evaluation and Biological Studies of Theophylline Albumin Microspheres, *Al-Azhar 4th International Conference for Pharmaceutical and Biological Sciences, Cairo, Egypt February 13-15, 2006.*

5- A. Ismail, K. I. Saleh, M. A. Ibrahim and S. Khalaf,Effect of porous silica as a drug carrier on the release rate of naproxen from emulgel, *Al-Azhar 4th International Conference for Pharmaceutical and Biological Sciences, Cairo, Egypt February 13-15, 2006.*

6- E. A. Zen-aldeen, A. K. Hussein,O. A. Ahmed, M. A. Ibrahim, M. A. Amin, Physicomechanical Properties and Release of Ketorolac Tromethamine from Chitosan Films: Effect of Inclusion of Different Polyols Plasticizers, *6th Pharmaceutical sciences conference, Assiut, Egypt, March 2008.*

7- H. Sarhan, M. A. Ibrahim, Mohamed A. Amin and A. K. F. Dyab, Multiple w/o/w emulsions stabilized by silica nanoparticles: In vitro release and anti-inflammatory studies, *6th Pharmaceutical sciences conference, Assiut, Egypt, March 2008.*

8- M. I. A. Fetouh, M. M. Mostafa, I. K. Abdallah, M. A. Amin, M. A. Ibrahim, I. T. Abdel-Raheem, Topical formulations of *Acacia Nilotica*: In vitro release studies and biological evaluation, *6th Pharmaceutical sciences conference, Assiut, Egypt, March 2008.*

9- A. Hussiein,A. Abo Ela, M. A. Ibrahim M. A. Amin, Physicochemical characterization and in vitro dissolution behavior of statin drug-cyclodextrins inclusion compounds, *6th Pharmaceutical sciences conference, Assiut, Egypt, March 2008.*

10-G. Fetih, A. Abo Ela, M. A. Ibrahim M. A. Amin, Formulation and in vitro evaluation of transdermal films containing ketorolac tromethamine, *6th Pharmaceutical sciences conference, Assiut, Egypt, March 2008.*

11- Mohamed A. Ibrahim, Gamal M. Mahrous, Mahmoud El-Badry, Fars K. Al-Anazi, Effect of Cosolvents on Indomethacin-Loaded Pellets, *69th International Congress of FIP, Istanbul, Turkey, 3-8 September 2009.*

12- Mohamed A. Ibrahim, M. Amin, G. Fetih, Amal. Abou Ela Formulation and Evaluation of Ketorolac Tromethamine-Eudragit Solid dispersions of Potential Sustained Release Properties, *69th International Congress of FIP, Istanbul, Turkey, 3-8 September 2009.*

13- Mohamed Fayed, Gamal Mahrous, Mohamed A. Ibarhim, Adel Sakr, Formulation and in vitro evaluation of dextromethorphan hydrobromide extended release matrix tablets. *69th International Congress of FIP, Istanbul, Turkey, 3-8 September 2009.*

14- Haitham F. Mostafa, Mohamed A. Ibrahim, Gamal Mahrous and Adel Sakr, A Comparative Study of Marketed Enteric Coated Pantoprazole Sodium Sesquihydrate Products, *69th International Congress of FIP, Istanbul, Turkey, 3-8 September 2009.*

15- M. A. Ibrahim, Improvement of Ketoconazole Dissolution Rate by Binary and Ternary Solid Dispersions, *7th Pharmaceutical sciences conference, Assiut, Egypt, March 2010.*

16- Gamal M. Mahrous., Mohamed A. Ibarhim, Mahmoud El-Badry and Fars K. Al-Anazi, Indomethacin Sustained Release Pellets Prepared By Extrusion/Spheronization, *7th Pharmaceutical sciences conference, Assiut, Egypt, March 2010.*

17- Mohamed A. Ibrahim, Gamal M. Mahrous, Mahmoud El-Badry, Fars K. Al-Anazi, Effect of Cosolvents on Indomethacin-Loaded Pellets, *8th Saudi International Pharmaceutical Conference and Exhibition, April 2010.*

18- Mohamed A. Ibrahim, M. Amin, G. Fetih, Amal. Abou Ela Formulation and Evaluation of Ketorolac Tromethamine-Eudragit Solid dispersions of Potential Sustained Release Properties, *8th Saudi International Pharmaceutical Conference and Exhibition, April 2010.*

19- A.M. El-Toni, M.W. Khan, M.A. Ibrahim, M. Al-hoshan, M. Al-salhi, Fabrication of radially oriented double mesoporous core-shell silica nanospheres via one templating step for potential drug delivery applications, Hybrid Materials, 2011, Second International Conference on Multifunctional, Hybrid and Nanomaterials, 6-10 March 2011, Strasbourg, France.

20- **Mohamed A. Ibrahim**, Using Mix Torque Rheometry in Pelletization Technology, **A lecture** in Future University Conference for Pharmaceutical Technology, 6-9 Feb. 2012, Cairo, Egypt.

21- **Mohamed A. Ibrahim**, Biodegradable PLA and PLGA Polymer Microspheres in Drug Delivery, A lecture in 2 nd Makkah Conference and Exhibition for Pharmacy, 23-25 April 2012, Makkah, KSA.

22- **Mohamed A. Ibrahim**, Pellet Wet Mass Factors Affecting Drug Dissolution, **A lecture** in the workshop of Dissolution and Bioequivalence Studies, Arab union of manufacturers of Pharmaceutical and medical appliances, 26-28 Jun. 2012, Cairo, Egypt.

23- **Mohamed A. Ibrahim**, Biodegradable PLA and PLGA Polymer Microspheres in Drug Delivery, **A lecture** in Future University Conference for Pharm. Technology, 13-15 April 2013, Cairo, Egypt.

24. **Mohamed A. Ibrahim**, Nanotechnology from Particle Size Reduction to Enhancing Aqueous Solubility, **A lecture** in Dubai Intyernational Pharmaceuticals and Technologies conference and Exhibition (DUPHAT), 15-17 March, 2016, Dubai, UAE.

25. Nuha I. Abou Obaid, Fahad I. Al-Jenoobi, **Mohamed A. Ibrahim**, Losartan potassium sustained release matrix pellets prepared by extrusion-spheronization. Dubai Intyernational Pharmaceuticals and Technologies conference and Exhibition (DUPHAT), 27-28 Feb., 2019, Dubai, UAE.

26. **Mohamed A. Ibrahim**, Pharmaceutical Applications of Nanotechnology in Drug Delivery, **A lecture** in Global Experts Meeting on Nanomedicine & Drug Delivery, March 18-20, 2019, London, UK.

27. **Mohamed A. Ibrahim.** Nanoparticles Based Drug Delivery systems: Different Technologies and Potential Applications, 12th Pharmaceutical sciences conference, Assiut, Egypt, 4-5 Nov., 2020.

28. **Mohamed A. Ibrahim.** Recent Advances in the Pharmaceutical Applications of Nanotechnology, **A lecture** in Deraya 1st International Pharmaceutical Conference: New Challenges in Pharmaceutical Research & Education in Egypt, Minia, Egypt, 15-16 Feb 2021.

Scientific Awards

Access to Al-Maraei company Scientific Innovation Award at its 14th session in 1436 AH (2014-2015) and with a team of King Abdullah Institute for Nanotechnology, King Saud University for the research presented entitled:
Simple and facile synthesis of amino functionalized hollow core–mesoporous shell silica spheres using anionic surfactant for Pb(II), Cd(II), and Zn(II) adsorption and recovery. Chem. Engineer. J. 251 (2014) 441–451.
Ahmed M. El-Toni, Mohamed A. Habila, **Mohamed A. Ibrahim,** Joselito P. Labis, Zeid A. ALOthman.

Thesis Supervision

1- Khaled A. Khaled, Hatem A. Sarhan, **Mohamed A. Ibrahim**. Preparation and characterization of biodegradable microparticulate controlled-release drug delivery systems. Master thesis presented by: Yousef W. N. El-Behery, Minia University, April 2009.

2- Adel Sakr and **Mohamed A. Ibrahim.** Development and evaluation of oral disintegrating tablets using different formulation and process variables, master thesis presented by Haitham F. Mostafa, King Saud University, May 2011.

3- Maha A. Hassan, **Mohamed A. Ibrahim**. Formulation and optimization of fast dissolving oral films containing venlafaxine hydrochloride. Master thesis presented by Arwa I. Al-Mogherah, King Saud University, March 2018.

4- Fars K. Alanazi, **Mohamed A. Ibrahim**. Application of nanotechnology based solid dosage form for enhancing dissolution rate and bioavailability of rosuvastatin calcium. Ph. D. thesis presented by Doaa H. Alshora, King Saud University, 3 May 2018.

5- Fars K. Alanazi, **Mohamed A. Ibrahim**. Design and Evaluation of Tablets Containing Simvastatin Nanoparticles. Master thesis presented by Bander M. Al Malki, King Saud University, 10 May 2018.

6- Fahad Al-Jenoobi, **Mohamed A. Ibrahim**. Formulation and Evaluation of Losartan Potassium Sustained Release Matrix Pellets. Master thesis presented by Nuha Ibrahim Abou-Obaid, King Saud University, 12 November 2018.

7- Amal E. Abou El Ela, **Mohamed A. Ibrahim**. Development and Evaluation of Fluconazole Nanoparticles for Ocular Delivery. Master thesis presented by Yara Ali Alqahtani, King Saud University, 24 December 2018.

8- **Mohamed A. Ibrahim**, Doaa H. Alshora. Quality Control Evaluation of Lansoprazole Products in Saudi Arabia Market. Master thesis in Quality control of pharmaceutical products presented by Tahani Nasser Alsufian, King Saud University, 29 April 2019.

9- **Mohamed A. Ibrahim,** Sultan Alshehri. Application of quality by design approach in the optimization of apigenin nanonization by planetary ball mill. Master thesis presented by Abdulla Ali Alshehri, King Saud University, 3 May, 2020.

10- **Mohamed A. Ibrahim**, Amal El Sayeh F. Abu El Ela. Application of Quality Control Methodology in the Development of Once Daily Modified Release Gliclazide Tablets. Master thesis in Quality control of pharmaceutical products presented by Khawla Mohammed Alqarni and Hind Abdulaziz Alzamil, King Saud University, 30 December, 2020.