



## CURRICULUM VITÆ OF

**Dr. Mohamed Abbas Ibrahim Hamoudah**

*Associate 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 Pharmaceutical Industries, Department of Pharmaceutics, College of Pharmacy, King Saud University, Riyadh, Kingdom of Saudi Arabia  
**Telephone** +96614676228  
**Cell Phone** +966534692427  
**Email** [abbma71@yahoo.com](mailto:abbma71@yahoo.com), [abbma71@gmail.com](mailto:abbma71@gmail.com) and [mhamoudah@ksu.edu.sa](mailto: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.

**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.

**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, *3<sup>rd</sup> 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, *3<sup>rd</sup> 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. Ibrahim** and 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, *Macromolecules: an Indian journal*, December Vol. 5(1-2) 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 Hypolipidemic 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. Develop. 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<sup>®</sup> 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)

## 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, 3<sup>rd</sup> 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, 3<sup>rd</sup> 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 4<sup>th</sup> 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 4<sup>th</sup> 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, 6<sup>th</sup> 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, 6<sup>th</sup> 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, 6<sup>th</sup> 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, 6<sup>th</sup> 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, 6<sup>th</sup> 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, 69<sup>th</sup> 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, 69<sup>th</sup> 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. 69<sup>th</sup> 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, 69<sup>th</sup> 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, 7<sup>th</sup> 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, 7<sup>th</sup> 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, 8<sup>th</sup> 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, 8<sup>th</sup> 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.

## 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- Master thesis presented by: Yousef Waheeb Naguib, Minia University, April 2010.

2- Development and evaluation of oral disintegrating tablets using different formulation and process variables, master thesis presented by Haitham Fady Mostafa, King Saud University, May 2011.

**Areas of  
interest**

Biomaterials  
Proteins and peptides drug delivery  
Microencapsulation  
Tablets  
Pelletization technology  
Topical drug delivery  
Nanotechnology