

Curriculum vitae

1. Personal Details

Name: Mina Ibrahim Tadros Ayad.
Occupation: Prof. of Pharmaceutics and Industrial Pharmacy.
Affiliation: Faculty of Pharmacy, Cairo University.
Address: Kasr El-Aini street, 11562, Cairo, Egypt.
Nationality: Egyptian.
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2. Academic Degrees

1. B.Sc., Faculty of Pharmacy - Cairo University, May 1998.

Graduation degree: Excellent with honors.

2. M.Sc., Faculty of Pharmacy - Cairo University, 24 / 11 / 2002.

Thesis Title "A study of certain polymers as controlled release drug carrier systems".

Under the supervision of: Prof. Dr. Nagwa Hussein Foda
Prof. Dr. Hanan Mohamed El-Laithy

3. Ph.D., Faculty of Pharmacy - Cairo University, 9 / 5 / 2006.

Thesis Title "Optimization of certain inhaler formulations of an anti-asthmatic drug".

Under the supervision of: Prof. Dr. Ahmed Abd-Elbary Abd-Elrahman
Prof. Dr. Hanan Mohamed El-Laithy

3. Career History

1. **Teaching Assistant**, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, from 21/10/1998 till 04/01/2003.
2. **Assistant Lecturer**, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, from 05/01/2003 till 03/06/2006.
3. **Lecturer**, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, from 04/06/2006 till 27/03/2012.

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4. **Associate Professor**, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, from 28/03/2012 till 23/04/2017.

5. **Professor**, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, from 24/04/2017.

6. **Vice Dean for community Service and Environment Development Affairs**, Faculty of Pharmacy, Cairo University, from 1/8/2017.

4. Teaching Activities

4.1. Faculty of Pharmacy, Cairo University

4.1.1. Participation in delivery of the following undergraduate courses;

- *Community Pharmacy*, Theoretical and practical course for 4th year students (Old system), 2006 / 2007.
- *Industrial Pharmacy*, Theoretical and practical course for 4th year students (Old system), 2006 / 2007.
- *Pharmaceutical Technology I (112)*, Theoretical and practical course for 5th year students (New system), from 2007 / 2008 till 2009 / 2010.
- *Pharmaceutical Technology II (113)*, Theoretical and practical course for 5th year students (New system), from 2007 / 2008.
- *Controlled drug delivery systems (PT 704)*, Theoretical course for 7th level students (clinical pharmacy program), from 2015/2016.

4.1.2. Participation in compilation of the following undergraduate course-books;

- *Industrial Pharmacy I (112)*, Faculty of Pharmacy, Cairo University (Deposit registration # 2009/ 4974).
- *Industrial Pharmacy II (113)*, Faculty of Pharmacy, Cairo University (Deposit registration # 2010/ 17096).
- *Controlled drug delivery systems (PT 704)*, Faculty of Pharmacy, Cairo University (Deposit registration # 2016/47720).

4.1.3. Participation in delivery of the following postgraduate courses

- *Transdermal Drug Delivery System*, Theoretical course for Diploma of Industrial Pharmacy, from 2006 / 2007 till 2008 / 2009.
- *Mechanical Utilities and Services (2111)*, Theoretical course for Diploma of Industrial Pharmacy (Basic course) and Master of Industrial Pharmacy (Elective course), from 2009 / 2010.

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- *Validation, GMP, ISO and Quality Assurance (2109)*, Theoretical course for Diploma of Analytical Chemistry, from 2009 / 2010.

4.2. Faculty of Pharmaceutical Sciences & Pharmaceutical Manufacturing, Future University in Egypt (FUE)

4.2.1. Participation in the delivery of the following undergraduate courses;

- *Pharmacy and Medical Terminology (PHL 102)*, Theoretical course for 2nd year students, 2007 / 2008 (Spring semester).
- *Orientation and History of Pharmacy (PHT 101)*, Theoretical and practical course for 1st year students, 2007 / 2008 (Spring semester).
- *Introduction to Pharmaceutics (PHT 212)*, Theoretical course for 2nd year students, from 2008 / 2009 till 2009 / 2010 (Fall semester).
- *Pharmaceutics II (PHT 213)*, Theoretical and practical course for 3rd year students, from 2008 / 2009 till 2009 / 2010 (Fall semester).
- *Pharmaceutics III (PHT 314)*, Theoretical and practical course for 3rd year students, from 2008 / 2009 till 2009 / 2010 (Spring semester).
- *Industrial Pharmacy I (PHT 522)*, Theoretical and practical course for 5th year students, from 2010 / 2011.
- *Industrial Pharmacy II (PHT 523)*, Theoretical and practical course for 5th year students, from 2010 / 2011.
- *Quality control and quality assurance (PHT 531)*, Theoretical and practical course for 5th year students, from 2010 / 2011.

4.2.2. Participation in the delivery of the following postgraduate courses;

- *Advanced Industrial Pharmacy (PHT 833)*, Theoretical course for Master of Pharmaceutical Sciences in Pharmaceutics and Pharmaceutical Technology, from 2016 / 2017 (Fall Semester).
- *Site-specific drug targeting (PHT 834)*, Theoretical course for Master of Pharmaceutical Sciences in Pharmaceutics and Pharmaceutical Technology, from 2016 / 2017 (Spring Semester).

4.3. Faculty of Pharmacy, Misr International University (MIU)

Participation in the delivery of the following undergraduate courses;

- *Hospital pharmacy (PHP 421)*, Theoretical and practical course for 4th year students, 2006 / 2007 (Fall semester).

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- *Reaction Kinetics (PHT 421)*, Theoretical and practical course for 4th year students, 2006 / 2007 (Fall semester).
- *Pharmaceutics I (PHP 213)*, Theoretical and practical course for 2nd year students, 2006 / 2007 (Spring semester).
- *Physical Pharmacy (PHT 212)*, Theoretical and practical course for 2nd year students, 2007 / 2008 (Fall semester).

4.4. Faculty of Pharmacy, October University for Modern Sciences and Arts (MSA)

Participation in the delivery of the following undergraduate courses;

- *Industrial Pharmacy I (PT 411)*, Theoretical and practical course for 4th year students, 2014 / 2015.
- *Industrial Pharmacy II (PT 412)*, Theoretical and practical course for 4th year students, 2014 / 2015.

5. Research-related activities

5.1. Academic Theses

- Participation in the supervision on 10 Master theses and 7 Ph.D. theses in Pharmaceutical Sciences (Pharmaceutics and Industrial Pharmacy). Of which, 4 Master theses degrees and 3 Ph.D. theses degrees were awarded by Faculty of Pharmacy, Cairo University.
- A member of the *Committee in Charge* on 5 Master theses and 4 Ph.D. theses in Pharmaceutical Sciences (Pharmaceutics and Industrial Pharmacy), Faculty of Pharmacy, Cairo University.

5.2. Patents

A co-inventor of two patents derived from personal Master and Ph.D. theses;

- **Patent no. 23170**, September 25th, 2002, Awarded by the Academy of Scientific Research and Technology, Egyptian Patent office, Egypt.
Title: Foda NH, El-Laithy HM, Tadros MI. *A method for the production of biodegradable chitosan - gelatin sponges containing tramadol hydrochloride.*
- **Patent no. 24388**, April 4th, 2006, Awarded by the Academy of Scientific Research and Technology, Egyptian Patent office, Egypt.

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Title: Elbary AA, El-Laithy HM, Tadros MI, *A method for the preparation of nebulizable micronized niosomes of cromolyn sodium using non-ionic surfactants.*

5.3. Research Projects

- **Road map towards manufacturing of active and inactive pharmaceutical ingredients in Egypt**, in collaboration with Drug Research Council, Academy of Scientific Research and Technology, 2017.

5.4. Training Programs

- **Competing for research funds**, January 22nd – 24th, 2007, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **Planning a scientific curriculum**, January 29th – 31st, 2007, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **Preparation of scientific research**, February 5th – 7th, 2007, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **Effective presentation skills**, September 15th – 17th, 2008, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **E-learning**, July 27th – 29th, 2009, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **University code of ethics**, February 22nd – 24th, 2010, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **Communication skills**, July 14th – 16th, 2012, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **Managing time and meetings**, December 8th – 10th, 2012, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **Conference organization**, August 28th – 29th, 2013, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **Exams and student evaluation systems**, September 9th – 10th, 2013, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **Credit hours system**, February 10th – 11th, 2014, Faculty and leadership development center (FLDC), Cairo University, Egypt.
- **Quality standards in Teaching**, July 5th – 6th, 2014, Faculty and leadership development center (FLDC), Cairo University, Egypt.

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- **International publishing of scientific research**, September 5th – 6th, 2016, Faculty and leadership development center (FLDC), Cairo University, Egypt.

5.5. Workshops

- **New drug updates and adverse drug reactions reporting**, October 24th, 2006, Misr International University, Egypt.
- **Optimizing pharmaceutical care and future roles of pharmacists**, February 12th, 2007, Misr International University, Egypt.
- **Electronic learning concept**, December 30th, 2008, Faculty of Pharmacy, Cairo University, Egypt.
- **Management of risks, crisis and evacuation plan**, April 15th, 2010, Faculty of Pharmacy, Cairo University, Egypt.
- **Quality by design (QbD): A new concept of FDA**, September 9th, 2012, Drug Manufacture Unit (DMU), Faculty of Pharmacy, Cairo University, Egypt.
- **Modern tablet manufacturing, QC/QA & bioavailability/bioequivalence**, February 20th – 21st, 2013, Faculty of Pharmaceutical sciences and pharmaceutical manufacturing, Future University, Egypt.
- **Management of crises and disasters**, September 26th, 2013, Quality Assurance and Accreditation Center (QAAC), Cairo University, Egypt.
- **Control templates enrolled in ISO 9001: 2008 implementation**, November 26th, 2014, Performance appraisal and quality assurance unit (PAQU), Faculty of Pharmacy, Cairo University, Egypt.
- **Stability and bioequivalence guidelines for the pharmaceutical products in the Egyptian market**, December 7th, 2013, Drug Manufacture Unit (DMU), Faculty of Pharmacy, Cairo University, Egypt.
- **Generic pharmaceutical products in the Egyptian market: registration requirements**, December 27th, 2014, Drug Manufacture Unit (DMU), Faculty of Pharmacy, Cairo University, Egypt.
- **Self-evaluation for higher educational institutes**, January 26th – 28th, 2015, National Authority for Quality Assurance and Accreditation of Education (NAQAEE).
- **Educational programs and courses specifications and evaluation of learning outcomes**, February 2nd – 4th, 2015, National Authority for Quality Assurance and Accreditation of Education (NAQAEE), Egypt.

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- **External review for higher educational institutes**, February 9th – 11th, 2015, National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Egypt.
- **Towards fast acceptance of your stability file: Regulations and technicalities**, May 6th, 2015, Center of Applied Research and Advanced Studies (CARAS), Faculty of Pharmacy, Cairo University, Egypt.
Speaker: Regulatory and technical aspects for successful comparative in vitro dissolution study, October 13th, 2015, Center of Applied Research and Advanced Studies (CARAS), Faculty of Pharmacy, Cairo University, Egypt.
- **Towards a successful pharmaceutical development of generic drug products: From the action letter to NODCAR approval**, December 26th, 2015, Drug Manufacture Unit (DMU), Faculty of Pharmacy, Cairo University, Egypt.
- Speaker: Pharmacovigilance: steps on the path to ensuring the safety of pharmaceuticals - The registration of pharmaceuticals, May 5th – 8th, 2016, Arab Administrative Development Organization, The League of Arab States, Egypt.
- **Proper selection and evaluation of API raw materials: Case studies on new HCV drugs**, May 21st, 2016, Drug Manufacture Unit (DMU), Faculty of Pharmacy, Cairo University, Egypt.
- **ICH-GMP: Q8, Q9 and Q10 implementation**, August 28th – 29th, 2016, Clin-Academy in collaboration with CAPA, Cairo, Egypt.
- **Development of pharmaceutical dosage forms via QbD: Concept and hands-on computer training**, December 17th, 2016, Drug Manufacture Unit (DMU), Faculty of Pharmacy, Cairo University, Egypt.
- **Teaching, learning and assessment: Quality assurance in higher education**, March 28th – 29th, 2017, National Authority for Quality Assurance and Accreditation of Education (NAQAAE) in collaboration with Agence Universitaire de la Francophonie (AUF), Egypt.
- **National Academic Reference Standards (NARS) for pharmacy education – 2nd edition**, April 20th, 2017, National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Egypt.
- Speaker: Cleaning validation: Case studies on various pharmaceutical products, December 16th – 17th, 2017, Drug Manufacture Unit (DMU), Faculty of Pharmacy, Cairo University, Egypt.

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- **Application of pharmacy NARS: From content to competency-based curricula**, December 18th – 19th, 2017, National Authority for Quality Assurance and Accreditation of Education (NAQAEE) in collaboration with Agence Universitaire de la Francophonie (AUF), Egypt.

5.6. Scientific conferences

- **XXVIII Conference of Pharmaceutical Sciences**, December 17th – 19th, 2002, Pharmaceutical Society of Egypt, Cairo, Egypt.
Poster presentation: Foda NH, El-laithy HM, Tadros MI. *Chitosan sponges as controlled release drug carrier systems*.
- **12th International Pharmaceutical Technology Symposium**, September 12th – 15th, 2004, Istanbul, Turkey.
Poster presentation: Foda NH, El-laithy HM, Tadros MI. *Implantable Biodegradable Sponges: Effect of inter-polymer complex formation of chitosan with gelatin*.
- **65th Annual International Pharmaceutical Federation (FIP) Conference**, September 2nd – 8th, 2005, Cairo, Egypt.
Poster presentation: Elbary AA, El-laithy HM, Tadros MI. *Promising alternative carriers to lactose monohydrate for cromolyn sodium dry powder inhalation*.
- **XXX International Pharmaceutical Sciences Conference**, December 19th – 21st, 2006, Pharmaceutical Society of Egypt, Cairo, Egypt.
- **3rd International conference of pharmaceutical and drug industries division**, March 6th – 8th, 2007, National Research Center, Cairo, Egypt.
Oral presentation: *Transdermal delivery of salbutamol sulfate via ethosomes*.
- **1st International scientific conference of Faculty of Pharmacy, Cairo University**, March 29th, 2008, Cairo, Egypt.
Poster presentation: Abdelbary GA, Tadros MI. *Design and in vitro/in vivo evaluation of novel nicorandil extended release matrix tablets based on hydrophilic interpolymer complexes and a hydrophobic waxy polymer*.
- **5th international conference of scientific research and its applications**, December 21st – 24th, 2009, Cairo University, Cairo, Egypt.
- **7th world meeting on pharmaceuticals, biopharmaceuticals and pharmaceutical technology**, March 8th – 11th, 2010, APV, Valetta, Malta.

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Poster presentation: Abd-Elbary A, Tadros MI, Alaa-Eldin AA. *Development of controlled porosity osmotic pump tablets of etodolac.*

- **13th AARU conference of the Pan Arab Colleges of Pharmacy**, May 25th – 27th, 2010, Misr University for Science and Technology, Cairo, Egypt.

Poster presentation: Abd-Elbary A, Tadros MI, Alaa-Eldin AA. *Comparative pharmacokinetics of etodolac in healthy human volunteers following oral administration of engineered controlled porosity osmotic pump tablets and immediate release market capsules.*

- **12th European symposium on controlled drug delivery**, April 4th – 6th, 2012, University of Twente, Egmond aan Zee, The Netherlands.

Poster presentation: Tayel SA, El-Nabarawi MA, Tadros MI, Abd-Elsalam WH. *Ion-sensitive, in situ ocular nanoemulsion gels of terbinafine hydrochloride: Development and evaluation.*

- **3rd international scientific conference of Faculty of Pharmacy**, April 25th – 26th, 2012, Cairo University, Cairo, Egypt.

Poster presentation: Abd-Elbary A, Tadros MI, Alaa-Eldin AA. *Preparation and in vitro/in vivo evaluation of etodolac lipid matrix tablets.*

- **AAPS annual meeting and exposition**, October 14th – 18th, 2012, Chicago, USA.

Poster presentation: Tayel SA, El-Nabarawi MA, Tadros MI, Abd-Elsalam WH. *Development and in vitro/in vivo evaluation of positively charged ocular nanoparticles of an antifungal drug.*

- **FUE international conference on pharmaceutical technologies**, February 6th – 9th, 2012, Cairo, Egypt.

- **FUE international conference on pharmaceutical sciences**, April 13th – 15th, 2013, Cairo, Egypt.

- **4th International scientific conference of Faculty of Pharmacy, Cairo University**, April 24th – 25th, 2013, Cairo, Egypt.

Poster presentation: Mohamed MI, Tadros MI, Gebreel RM. *Formulation and in vitro evaluation of Tizanidine hydrochloride gastroretentive controlled release matrices.*

- **4th International symposium on biomedical applications of dendrimers (Biodendrimer 2014)**, June 18th – 20th, 2014, University of Applied sciences and arts of southern Switzerland, Lugano, Switzerland.

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- Poster presentation: Tayel SA, El-Nabarawi MA, Tadros MI, Abd-Elsalam WA. *Eudragit® L100-55 coated dry cubosome powders: A novel carrier for potential lymphatic absorption of pravastatin sodium via oral administration.*
- **3rd FUE International conference of pharmaceutical sciences**, February 9th - 11th, 2015, Cairo, Egypt.
Speaker: *Lipid-based nanosystems as potential drug carriers for lymph targeting.*
- **Advances in nanoparticulate carriers: Applications in diseases and infections**, October 19th - 21st, 2015, Institut Pasteur, Paris, France.
Poster presentation: Abd-Elbary A, Makky AMA, Tadros MI, Alaa-Eldin AA. *Solidification of microemulsions via incorporation within core-in-cup mucoadhesive sponges: A promising system for the buccal delivery of carvedilol in healthy volunteers.*
- **Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2015)**, October 21st – 23rd, 2015, Amman, Jordan.
Speaker: Tadros MI, Al-mahallawi AM. *Lipoprotein-mimic nanoparticles as promising intravenous carriers for chlorambucil.*
- **XXXIII International conference of pharmaceutical sciences**, February 27th – 28th, 2016, Pharmaceutical society of Egypt, Cairo, Egypt.
Poster presentation: Mohamed MI, Tadros MI, Gebreel RM. *Gastroretentive floating matrix tablets of tizanidine hydrochloride: Fabrication and in vitro characterization.*
- **7th International scientific conference of Faculty of Pharmacy, Cairo University**, April 16th – 17th, 2016, Cairo, Egypt.
Poster presentation: Elgendy MA, El-Assal MI, Tadros MI, El-Gazayerly ON. *Formulation, optimization and in vitro characterization of olmesartan- loaded mixed micelles.*
- **4th International conference of pharmaceutical sciences, Future University in Egypt**, Jan 31st – Feb 2nd, 2017, New Cairo, Egypt.
Speaker: *Recent updates on the Egyptian guidelines for the conductance of bioequivalence studies and the licensing of bioequivalence centers.*
Poster presentation: Fouly AA, Tadros MI, Ibrahim M, Ammar HO. *Transdermal delivery of ondansetron HCl-loaded bilosomes: design and in vitro characterization.*

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Poster presentation: El-Maghawry E, Tadros MI, Elkheshen S, Abd-Elbary A. *Colon-targeted etoricoxib-loaded nanoparticles: Screening of the processing variables.*

- **Pharmaconex 2017 International conference on pharmaceutical technologies**, April 8th – 10th, 2017, Cairo International Convention Center, Egypt.

Speaker: *Recent updates on the Egyptian guidelines for the conductance of bioequivalence studies and licensing of bioequivalence centers.*

4th International conference of the National Authority for Quality Assurance and Accreditation of Education (NAQAAE), April 23rd – 24th, 2017, Cairo, Egypt.

- **8th International scientific conference of Faculty of Pharmacy, Cairo University**, April 22nd, 2017, Cairo, Egypt.

Speaker: *Biodegradable sponges: Fit for purpose drug carrier systems.*

Poster presentation: Tawfik MA, Tadros MI, Mohamed MI. *Formulation and in vitro evaluation of Vardenafil HCl nanostructured lipid carriers.*

- **3rd International congress of the Greek local chapter of the controlled release society**, June 19th – 20th, 2017, Athens, Greece.

Poster presentation: El-Gendy M, El-Assal M, Tadros MI, El-Gazayerly O. *Development and pharmacokinetic assessments of olmesartan medoxomil-loaded self-nanoemulsifying drug delivery systems.*

- **Arab union of the manufacturers of pharmaceuticals and medical appliances conference**, September 27th-28th, 2017, Cairo, Egypt.

Speaker: *Comparative in vitro dissolution studies as per CAPA guidelines.*

- **The third Arab conference for food, drug and medical device**, April 15th – 17th, 2018, Sharm El-Sheikh, Egypt.

Speaker: *Applications of nanotechnology in drug delivery.*

- **9th International scientific conference of Faculty of Pharmacy, Cairo University**, April 25th– 26th, 2018, Cairo, Egypt.

Speaker: *Bridging society, industry, market and Academia: 3 initiatives.*

5.7. Publications

- Foda NH, El-laithy HM, Tadros MI. *Optimization of biodegradable sponges as controlled release drug matrices: I. effect of moisture level on chitosan sponge mechanical properties.* **Drug Dev Ind Pharm.** 2004; 30(4): 369-379.

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- Foda NH, El-laithy HM, Tadros MI. *Implantable biodegradable sponges: effect of inter-polymer complex formation of chitosan with gelatin on the release behavior of tramadol hydrochloride*. **Drug Dev Ind Pharm.** 2007; 33(1): 7-17.
- Elbary AA, El-laithy HM, Tadros MI. *Promising ternary dry powder inhaler formulations of cromolyn Sodium: formulation and in vitro – in vivo evaluation*. **Arch Pharm Res.** 2007; 30 (6): 785 - 792.
- Bendas ER, Tadros MI. *Enhanced transdermal delivery of salbutamol sulfate via ethosomes*. **AAPS PharmSciTech.** 2007; 8 (4): E1-E8.
- Abdelbary GA, Tadros MI. *Design and in vitro/in vivo evaluation of novel nicorandil extended release matrix tablets based on hydrophilic interpolymer complexes and a hydrophobic waxy polymer*. **Eur J Pharm Biopharm.** 2008; 69 (3): 1018-1028.
- Abd-Elbary A, El-laithy HM, Tadros MI. *Sucrose stearate-based proniosome-derived niosomes for the nebulisable delivery of cromolyn sodium*. **Int J Pharm.** 2008; 357 (1- 2): 189-198.
- Tadros MI. *Controlled-release effervescent floating matrix tablets of ciprofloxacin hydrochloride: Development, optimization and in vitro-in vivo evaluation in healthy human volunteers*. **Eur J Pharm Biopharm.** 2010; 74(2): 332-339.
- Ghorab DM, Amin MM, Khowessah OM, Tadros MI. *Colon-targeted celecoxib-loaded Eudragit® S100-coated poly-ε-caprolactone microparticles: preparation, characterization and in vivo evaluation in rats*. **Drug Del.** 2011; 18(7): 523–535.
- Abd-Elbary A, Tadros MI, Alaa-Eldin AA. *Development and in vitro/in vivo evaluation of etodolac controlled porosity osmotic pump tablets*. **AAPS PharmSciTech.** 2011; 12(2): 485-495.
- ElMeshad AN, Tadros MI. *Transdermal delivery of an anti-cancer drug via w/o emulsions based on alkyl polyglycosides and lecithin: design, characterization and in vivo evaluation of the possible irritation potential in rats*. **AAPS PharmSciTech.** 2011; 12(1): 1-9.
- Tayel SA, El-Nabarawi MA, Tadros MI, Abd-Elsalam WH. *Promising ion-sensitive in situ ocular nanoemulsion gels of terbinafine hydrochloride: Design, in vitro characterization and in vivo estimation of the ocular irritation and drug pharmacokinetics in the aqueous humor of rabbits*. **Int J Pharm.** 2013; 443(1-2): 293 – 305.

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- Abdelbary GA, Tadros MI. *Brain targeting of olanzapine via intranasal delivery of core - shell difunctional block copolymer mixed nanomicellar carriers: in-vitro characterization, ex-vivo estimation of nasal toxicity and in-vivo biodistribution studies.* **Int J Pharm.** **2013**; 452(1-2): 300-10.
- Tayel SA, El-Nabarawi MA, Tadros MI, Abd-Elsalam WH. *Positively charged polymeric nanoparticle reservoirs of Terbinafine hydrochloride: Preclinical implications for controlled drug delivery in the aqueous humor of rabbits.* **AAPS PharmSciTech.** **2013**;14(2): 782-93.
- Abd-Elbary A, Tadros MI, Alaa-Eldin AA. *Sucrose stearate-enriched lipid matrix tablets of etodolac: modulation of drug release, diffusional modeling and structure elucidation studies.* **AAPS PharmSciTech.** **2013**; 14(2): 656-68.
- Tadros MI, Fahmy RH. *Controlled-release triple anti-inflammatory therapy based on novel gastroretentive sponges: Characterization and magnetic resonance imaging in healthy volunteers.* **Int J Pharm.** **2014**; 472(1-2): 27-39.
- Tayel SA, El-Nabarawi MA, Tadros MI, Abd-Elsalam WH. *Duodenum-triggered delivery of pravastatin sodium via enteric surface-coated nanovesicular spanlastic dispersions: development, characterization and pharmacokinetic assessments.* **Int J Pharm.** **2015**; 483(1-2): 77-88.
- Yehia SA, El-Ridi MS, Tadros MI, El-Sherif NG. *Enhancement of the oral bioavailability of fexofenadine hydrochloride via Cremophor EL-based liquisolid tablets.* **Adv. Pharm. Bull.** **2015**; 5(4): 569-581.
- Yehia SA, El-Ridi MS, Tadros MI, El-Sherif NG. *Phenylalanine-free taste-masked orodispersible tablets of fexofenadine hydrochloride: Development, in vitro evaluation and in vivo estimation of the drug pharmacokinetics in healthy human volunteers.* **Pharm Dev Tech.** **2015**; 20(5): 528–539.
- Abd-Elbary, A., Makky, A.M.A., Tadros, M.I., Alaa-Eldin, A.A. *Development and in vitro evaluation of mucoadhesive bilayer buccal tablets of carvedilol.* **Int J Pharm Pharm Sci.** **2015**; 7(9): 172-176.
- Tadros MI, Al-mahallawi AM. *Long-circulating lipoprotein-mimic nanoparticles for smart intravenous delivery of a practically-insoluble antineoplastic drug: Development, preliminary safety evaluations and preclinical pharmacokinetic studies.* **Int J Pharm.** **2015**; 493(1-2): 439–450.

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- Abd-Elbary A, Makky AM, Tadros MI, Alaa-Eldin AA. *Laminated sponges as challenging solid hydrophilic matrices for the buccal delivery of carvedilol microemulsion systems: Development and proof of concept via mucoadhesion and pharmacokinetic assessments in healthy human volunteers.* **Eur J Pharm Sci.** **2016**; 82: 31-44.
- Tayel SA, El-Nabarawi MA, Tadros MI, Abd-Elsalam WH. *Duodenum-triggered delivery of pravastatin sodium: II. Design, appraisal and pharmacokinetic assessments of enteric surface-decorated nanocubosomal dispersions.* **Drug Deliv.** **2016**; 23(9): 3266–3278.
- El-Gendy M, El-Assal M, Tadros MI, El-Gazayerly O. *Olmесartan medoxomil-loaded mixed micelles: Preparation, characterization and in-vitro evaluation.* **Fut J Pharm. Sci.** **2017**;3: 90-94.
- El-Assal M, El-Gendy M, El-Assal M, Tadros MI, El-Gazayerly O. *Olmесartan medoxomil-loaded self-nanoemulsifying drug delivery systems: Design, in-vitro characterization, and pharmacokinetic assessments in rabbits via LC-MS/MS.* **Int. J. Drug Del. Technol.** **2017**; 7(3): 210-219.
- Aboumanei MH, Abdelbary AA, Ibrahim IT, Tadros MI, El-Kolaly MT. *Design and development of microemulsion systems of a new antineoplaston A10 analog for enhanced intravenous antitumor activity: In vitro characterization, molecular docking, 125I-radiolabeling and in vivo biodistribution studies.* **Int J Pharm.** **2018**; 545(1-2): 240-253.
- Aboumanei MH, Abdelbary AA, Ibrahim IT, Tadros MI, El-Kolaly MT. *Improved Targeting and Tumor Retention of a Newly Synthesized Antineoplaston A10 Derivative by Intratumoral Administration: Molecular Docking, Technetium 99m Radiolabeling, and In Vivo Biodistribution Studies.* **Cancer Biother. Radiopharm.** **2018**; 33(6): 221-232
- Ammar HO, Mohamed MI, Tadros MI, Elfouly AA. *Transdermal delivery of Ondansetron hydrochloride via bilosomal systems: In-vitro, ex-vivo and in-vivo characterization studies.* **AAPS PharmSciTech.** **2018**; 19(5):2276-2287
- Tawfik MA, Tadros MI, Mohamed MI. *Polyamidoamine (PAMAM) dendrimers as potential release modulators and oral bioavailability enhancers of Vardenafil hydrochloride.* **Pharm. Dev. Tech.** **2018**; In Press.

5.8. Peer-reviewing

A peer reviewer in the following international journals;

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- European journal of pharmaceutics and biopharmaceutics. (Elsevier)
- International journal of pharmaceutics. (Elsevier)
- Biotechnology advances. (Elsevier)
- International journal of biological macromolecules (Elsevier)
- Saudi pharmaceutical journal. (Elsevier)
- Journal of advanced research. (Elsevier)
- Bulletin of Faculty of Pharmacy, Cairo University. (Elsevier)
- Future journal of pharmaceutical sciences. (Elsevier)
- Drug delivery science and technology. (Elsevier)
- Expert opinion on drug delivery. (Informa Healthcare)
- Drug delivery. (Informa Healthcare)
- Drug development and industrial pharmacy. (Informa Healthcare)
- Liposome research (Informa Healthcare)
- Pharmaceutical development and technology (Informa Healthcare)
- Pharmaceutical biology. (Informa Healthcare)
- Journal of microencapsulation. (Informa Healthcare)
- Pharmacy and pharmacology. (Wiley)
- Advances in polymer technology. (Wiley)
- Biomacromolecules. (ACS)
- AAPS PharmSciTech. (Springer)
- Asian journal of pharmaceutics. (Medknow)
- International journal of pharmacokinetics. (Future Science)

5.9. Membership in professional bodies / scientific associations

1. **The General Syndicate of Egyptian Pharmacists;** member #39475 since 20/8/1998.
2. **The American Association of Pharmaceutical Pharmacist (AAPS);** member # 212337 since 3/10/2012.
3. **The United Kingdom & Ireland controlled release society;** since 4/10/2017.

6. University-related activities

- **Vice Dean for community service and environment development affairs,** Faculty of Pharmacy, Cairo University; from 1/8/ 2017.

Curriculum vitae

- **A member of the higher scientific committee for drugs, Cairo University Hospitals; from 6/9/2017.**
- **Associate Editor, Bulletin of Faculty of Pharmacy, Cairo University; from 1/10/2016.**
- **A member of the higher committee for centers and units, Faculty of Pharmacy, Cairo University; from 1/1/2014.**
- **A member of the strategic plan, leadership and management committee, Faculty of Pharmacy, Cairo University; from 1/11/2013.**
- **Former head of the Drug Manufacture Unit (DMU), Faculty of Pharmacy, Cairo University; from 1/11/ 2013 till 31/7/2017.**
- **Former rapporteur of the safety and occupational health committee, derived from the Research Ethics Committee, Faculty of Pharmacy, Cairo University; from 1/10/2014 till 31/7/2017.**
- **Former scientific consultant for the development of Drug Compounding Laboratory (DCL), Cairo University Hospitals; from 1/2/2017 till 31/7/2017.**
- **Former scientific consultant for the Center of Applied Research and Advanced Studies (CARAS), Faculty of Pharmacy, Cairo University; from 1/6/2012 till 31/12/2014.**
- **Former research organizer of the Pharmaceutics and Industrial Pharmacy department, Faculty of Pharmacy, Cairo University; from 1/8/2009 till 31/7/2015. Participated in the setting of the department research plans for the periods 2009 – 2012 and 2012 – 2017 as well as the setting of the specifications of the post-graduate programs (New system) of the Faculty of Pharmacy, Cairo University.**
- **Former head of the committee responsible for evaluation of the purchased chemicals and glassware for the Pharmaceutics and industrial Pharmacy department, Faculty of Pharmacy, Cairo University; from the academic year 2012 / 2013.**
- **Former member of the committee responsible for the inventory of the chemical store of the Pharmaceutics and industrial Pharmacy department, Faculty of Pharmacy, Cairo University; from 2006 / 2007 till 2009 / 2010.**

7. Community-related activities

Curriculum vitae

- **A scientific consultant for the Minister of Higher Education and Scientific Research** for the scientific competition entitled “Best industrial scientific research in applied pharmaceutical sciences” organized by the Egyptian Pharmacists syndicate; 2017.
- **Head of the scientific committee responsible for selecting the best offer for developing the WECAN plant for anti-cancer products (a turn-key project).**
- **A member of the committee responsible for evaluation of the registration of pharmaceutical products via CTD system,** Central Administration of Pharmaceutical Affairs (CAPA), Ministry of Health; from October 2017.
- **A member of the committee responsible for evaluation of bioavailability and bioequivalence studies,** Central Administration of Pharmaceutical Affairs (CAPA), Ministry of Health; from February 2015.
- **A member of the committee responsible for evaluation of the quality of documentation of finished pharmaceutical products (Quality module),** Central Administration of Pharmaceutical Affairs (CAPA), Ministry of Health; from October 2015.
- **External reviewer on higher educational institutes,** National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Egypt.
 - A member of the external reviewing team for the reaccreditation of the Faculty of Pharmacy, Tanta University on March 28th – 30th, 2016.
 - A member of the external reviewing team for the reaccreditation of the Faculty of Pharmacy, Egyptian – Russian University on December 12th –14th, 2016.
 - A member of the external reviewing team for the accreditation of the Faculty of Pharmacy, Delta University on April 2nd – 4th, 2018.
- **External course evaluator for;**
 - Department of Pharmaceutics and Pharmaceutical Technology, Faculty of Pharmacy, Future University.
 - Department of Pharmaceutics, Faculty of Pharmacy, Ahran Canadian University.
 - Department of Pharmaceutics, Faculty of Pharmacy and Biotechnology, GUC.
- **Trainer in HoldiPharma;**

Curriculum vitae

The keynote speaker in the following training programs;

- **Cleaning validation**, Training center for Drug Sector at Memphis Company for pharmaceutical and chemical industries; 25th, 26th and 29th March, 2015 and 18th – 19th April, 2016.
- **Bioavailability and Bioequivalence**, Training center for Drug Sector at Memphis Company for pharmaceutical and chemical industries; 15th - 16th April, 2015.

8. Awards and certificates of appreciation

Awards:

- **The best poster**, 2nd international scientific conference of Faculty of Pharmacy, Cairo University, April 26th 2010, for the research article entitled; Dalia M. Ghorab, Maha M. Amin, Omneya M. Khowessah, Tadros MI. *Preparation and characterization of double-coated celecoxib microparticles.*
- **Supervision on the best master thesis in Pharmaceutics in 2012**, Faculty of Pharmacy, Cairo University; entitled: Wessam Hamdy Abd-Elsalam. *A Pharmaceutical study on certain ocular formulations of an antifungal drug.*
- **The best international published paper in pharmaceutics in 2013**, Faculty of Pharmacy, Cairo University for the research article entitled; Abdelbary GA, Tadros MI. *Brain targeting of olanzapine via intranasal delivery of core - shell difunctional block copolymer mixed nanomicellar carriers: in-vitro characterization, ex-vivo estimation of nasal toxicity and in-vivo biodistribution studies. Int J Pharm. 2013; 452(1-2): 300-10.*
- **FUE's Professors award for outstanding teaching in 2014**, Future University, Egypt.
- **Supervision on the best Ph.D. thesis in Pharmaceutics in 2015**, Faculty of Pharmacy, Cairo University; entitled: Wessam Hamdy Abd-Elsalam. *A Pharmaceutical study on improving the oral bioavailability of an anti-hyperlipidemic drug.*
- **Dr. Makram Mehany award for scientific creativity in 2018**, in recognition of the merit in the treatment of cancer.

Certificates of appreciation:

Curriculum vitae

- **Certificates of appreciation from Cairo University for the publication of international manuscripts** from 2010.
- **Certificates of appreciation from Faculty of Pharmacy, Cairo University for the active participation and organization of the following conferences;**
 - 6th international scientific conference** entitled “*2020 vision of Pharmacy in Egypt*” on April 25th – 26th, 2015.
 - 7th international scientific conference of Faculty of Pharmacy, Cairo University** entitled “*Translational research in pharmacy: From bench to market*” on April 16th – 17th, 2016.
- **Certificate of appreciation from Cairo University hospitals** for the development of Drug Compounding Laboratory.
- **Certificates of appreciation from Drug Manufacture Unit (DMU) for the active participation and organization of the following workshops;**
 - Second workshop** entitled “*Stability and bioequivalence guidelines for the pharmaceutical products in the Egyptian market*” on December 7th, 2013.
 - Third workshop** entitled “*Generic pharmaceutical products in the Egyptian market: registration requirements*” on December 27th, 2014.
 - Fourth workshop** entitled “*Towards a successful pharmaceutical development of generic drug products: From the action letter to NODCAR approval*” on December 26th, 2015.
 - Fifth workshop** entitled “*Proper selection and evaluation of API raw materials: Case studies on new HCV drugs*” on May 21st, 2016.
 - Sixth workshop** entitled “*Development of pharmaceutical dosage forms via QbD: Concept and hands-on computer training*” on December 17th, 2016.
 - Seventh workshop** entitled “*Targeting the Quality of Documentation of Pharmaceutical Products in the Egyptian Market*” on May 13th, 2017.