

Curriculum Vitae

Dr. Marwa Salah EL-Din Mansour EL-Dahhan

Professor of Pharmaceutics

Faculty of Pharmacy – Mansoura University

Personal Information



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★ **Language:**

- Arabic: Mother language
- English: writing, listening and speaking

Scientific Qualifications

★ **Bachelor of Pharmaceutical Sciences**

- Date: May / 1998 – Faculty of Pharmacy – Mansoura University – Egypt.
- Degree of graduation: Very good with honor (82.52%)
- Graduation Ranking: 11th achiever

★ **Master in pharmaceutical sciences (Pharmaceutics)**

- Date: August / 2005 – Faculty of Pharmacy – Mansoura University – Egypt.
- Master Thesis: Pharmaceutical Studies on the Formulation and Bioavailability of Some Anti-inflammatory Drugs in Ophthalmic Preparations.

★ **PhD in pharmaceutical sciences (Pharmaceutics)**

- Date: July/ 2010 – Faculty of Pharmacy – Mansoura University – Egypt.
- PhD Thesis: Pharmaceutical Studies on Buccal and Ocular Drug Delivery Systems.

★ **Assistant Professor of Pharmaceutics – 24/5/2017**

★ **Professor of Pharmaceutics – 30/10/2022**

Employment Degrees

★ **Demonstrator of Pharmaceutics – (From September / 1998 until September / 2005)**

★ **Assistant Lecturer of Pharmaceutics – (From October / 2005 until July / 2010)**

★ **Lecturer Pharmaceutics – (From July / 2010 until 2017)**

★ **Assistant Professor of Pharmaceutical Sciences “Pharmaceutics” (from 2017 until 2022).**

★ **Professor of Pharmaceutics – 30/10/2022**

Administrative Assignments

★ **Clinical Pharmacy Program Director - Faculty of Pharmacy - Mansoura University – 9/10/2021.**

★ **Study and Examinations coordinator- Clinical Pharmacy Program -Mansoura University - 30/9/2017 to 8/10/2021**

Teacching and Practicle Expertise

★ **Undergraduate students:**

Teaching Pharmaceutics courses to **the undergraduate students in the ordinary pharmacy program (credit Hour Program and Pharm D Program)**. The courses include:

- ✓ Pharmacy Orientation.
- ✓ Physical pharmacy.
- ✓ Pharmaceutical Preparations & Biopharmaceutics
- ✓ Pharmaceutical Ethics and Legislation.
- ✓ Pharmaceutical Dosage Forms 1.
- ✓ Pharmaceutics 2.

★ **Clinical Pharmacy program**

Teaching Pharmaceutics courses for **the undergraduate students in the clinical pharmacy program**.

The courses include:

- ✓ Radiopharmaceutical
- ✓ Pharmacy Orientation
- ✓ Pharmacy Legislation
- ✓ Pharmaceutical Technology
- ✓ Dosage forms 1
- ✓ Pharmaceutical Dosage Forms 2

★ Teaching Pharmaceutics courses in Faculty of Pharmacy - Horus University Egypt to the **undergraduate students**. The courses include:

- ✓ Pharmacy Orientation
 - ✓ Pharmacy Legislation
 - ✓ Cosmetic Preparations
 - ✓ Dosage forms 1
- Participation in written, practical and oral exams for different academic years and levels – Faculty of Pharmacy – Mansoura University.

★ **Postgraduates and diploma students**

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- Teaching Pharmaceutics courses for the postgraduate students in the following diploma programs:
 - ✓ Targeted drug delivery systems and preformulation.
 - ✓ Clinical Pharmacy in Clinical and Hospital Pharmacy Diploma.
 - ✓ Drug-Drug interaction in Clinical and Hospital Pharmacy Diploma.
 - ✓ Drug Interaction (PPD-101) in Clinical Pharmacy Diploma-Credit Hour Program.
 - ✓ Sterile Product (PPD-108) in Clinical Pharmacy Diploma-Credit Hour Program.
 - ✓ Technology of Cosmetic Products (PTD-B101) in Diploma of Cosmetic Products.
 - ✓ Packaging and packaging materials (PTD-B109) in Diploma of Cosmetic Products.
 - ✓ Polymers (PTP-301) in PH. D Courses (Pharmaceutics).
 - ✓ Controlled drug delivery systems (PTM-204) in Master Degree (Pharmaceutics).
- Preparation of lessons, including preparation of materials and chemicals, theoretical discussions with students.
- Conducting lectures using modern presentation techniques.
- Participation in written, practical and oral exams for different academic years and levels – Faculty of Pharmacy – Mansoura University.

Research Fields and Experience

- Formulation and evaluation of different ophthalmic preparations.
- Bioavailability and *in vivo* studies on both animals and human volunteers.
- Preparation and evaluation of Nanoparticles prepared from preformed polymers.
- Working on the invention of some ophthalmic formulations for treatment of some eye diseases such as glaucoma.
- Formulation, evaluation and clinical studies of certain drugs for treatment of diabetic foot ulcers.

Supervision of graduate students

(A) Theses completed

❖ Master theses

1. “Formulation, In-vitro and In-vivo Evaluation of Some anti-obesity Materials” in the period between 20th March 2010 to 28th July 2016.
2. “Evaluation of Moxifloxacin Gel for the Treatment of Chronic Periodontitis” in the period between 21st May 2014 to 22nd February 2016.

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3. "Pharmaceutical Study on the Design and Preparation of Some Sustained Release Solid Dosage Forms Containing Certain Drugs" in the period 28th December 2014 to 19th July 2017.
4. "Pharmaceutical Studies on the Formulation and Bioavailability of some Drugs in Ophthalmic Preparations" in the period 3rd April 2016 to 30th September 2018.
5. "Formulation and Evaluation of Certain Drugs in Orodissolvable Dosage Forms" in the period 5th March 2013 to 25th January 2021.

(B) Theses in process

❖ Master theses

1. Potential Enhancement Strategies of Nanoparticles in Different Drug Delivery Systems starting on 13th September 2020.

❖ PhD theses

1. Formulation, Evaluation and Clinical Studies of Certain Drugs for Treatment of Diabetic Foot Ulcers starting on 5th August 2019.

Publications

- 1- *In-Vitro* Evaluation of Enrofloxacin Ophthalmic Preparations Containing Cyclodextrins, Esmail M. Ramadan, Hamdy M. Abd El-Aleem, Osama A. Soliman, and **Marwa S. El-Dahhan**, Mans. J. Pharm. Sci., 18(2), 139-156 (2002).
- 2- Ocular Bioavailability of Enrofloxacin-Cyclodextrin Complexes from certain Ophthalmic Preparations in Rabbits Eyes, Hamdy M. Abd El-Aleem, Esmail M. Ramadan, Osama A. Soliman, Samy M. Kheira and **Marwa S. El-Dahhan**, Zagazig J. Pharm. Sci., 15(1), 23-30 (2006).
- 3- Stability of Enrofloxacin-Cyclodextrin Complexes and Healing Time of Inflamed Rabbits Eyes, Hamdy M. Abd El-Aleem, Esmail M. Ramadan, Osama A. Soliman and **Marwa S. El-Dahhan**, Mans. J. Pharm. Sci., 22, 209-223 (2006).
- 4- Formulation and Stability Study of Naproxen Ophthalmic Preparations, Hamdy M. Abdel-Aleem, Esmail M. Ramadan, Osama A. Soliman, and **Marwa S. El-Dahhan**, Mans. J. Pharm. Sci., 23, 99-113 (2007).

- 5- Formulation and evaluation of a buccoadhesive captopril tablets, Mohammed H. El-Shabouri, Hamdy M. Abd El-Aleem, Osama A. Soliman and **Marwa S. El-Dahhan**, Bull. Pharm. Sci. Assiut University, 32, 1, 45-64 (2009).
- 6- Potential Use of Niosomal Hydrogel as an Ocular Delivery System for Atenolol, Irhan Ibrahim Abu Hashim, **Marwa Salah El-dahan**, Rehab Mohammed Yusif, Abd-ElGawad Helmy Abd-ElGawad, and Hidetoshi Arima, Biol. Pharm. Bull., 37(4), 541-551 (2014).
- 7- Some variables affecting the characteristics of Eudragit E-sodium alginate polyelectrolyte complex as a tablet matrix for diltiazem hydrochloride, Rehab mohammad yusif, Irhan ibrahim abu hashim, **Marwa salah el-dahan**, Acta Pharm., 64, 89-104 (2014).
- 8- Evaluation of Moxifloxacin Gel for the Treatment of Chronic Periodontitis, Mohammad S. Altaani, Omar H. Khashaba, Medhat A.El-daker, **Marwa Salah El-dahan**, Mansoura Journal of Dentistry; 2(6):1-9 (2015).
- 9- Formulation and Evaluation of Ophthalmic Preparations Containing Econazole Nitrate-Cyclodextrin Complexes, Abd El-Gawad H. Abd El-Gawad, Osama A. Soliman, **Marwa S. El-Dahan**, Saeed A. S. Al-Zuhairy, American Journal of Pharmacy and Health Research, 4(01): 74-96 (2016).
- 10- Potential Use of Cyclodextrin Complexes for Enhanced Stability, Anti-inflammatory Efficacy, and Ocular Bioavailability of Loteprednol Etabonate, Osama Abd El-Aazeem Soliman, Elham Abdel Monem Mohamed, **Marwa Salah El-Dahan**, and Nabil Abdullah Ali Khatera, AAPS PharmSciTech, (18), 1228–1241 (2017)
- 11- Improvement of the Ocular Bioavailability of Econazole Nitrate upon Complexation with Cyclodextrins, Abd El-Gawad H. Abd El-Gawad, Osama A. Soliman, **Marwa S. El-Dahan**, Saeed A. S. Al-Zuhairy, AAPS PharmSciTech, 18(5):1795-1809 (2017)
- 12- Water-soluble Complex of Curcumin with Cyclodextrins: Enhanced Physical Properties For Ocular Drug Delivery, Doaa Nabih Maria, Sanjay R. Mishra, Lijia Wang, Abd-Elgawad Helmy Abd-Elgawad, Osama Abd-Elazeem Soliman, **Marwa Salah El-Dahan** and Monica M. Jablonski, Current Drug Delivery, 14(6); 875-886 (2017).
- 13- Influence of Various Dosage forms on Stability and Corneal Bioavailability of Desloratadine Ophthalmic Preparations, Abd El-Gawad H. Abd El-Gawad, Osama A. Soliman and **Marwa S. El-Dahan**, Ghada S. Ahmed, IOSR Journal of Pharmacy and Biological Sciences, 11(5), 78-86 (2016).

- 14- Bioavailability Improvement of Diltiazem Hydrochloride Gastroretentive Sustained Release Tablets, Thanaa M. Borg, **Marwa S. El-Dahan**, and Hayder A. Hammoodi, IOSR Journal of Pharmacy and Biological Sciences, 11(6), 44-52 (2016).
- 15- Nimodipine Ophthalmic Formulations for Management of Glaucoma, Doaa Nabih Maria, Abd-Elgawad Helmy Abd-Elgawad, Osama Abd-Elazeem Soliman, **Marwa Salah El-dahan** and Monica M. Jablonski, Pharmaceutical Research, 34(4); 809-824 (2017).
- 16- Potential Use of Cyclodextrins for the Improvement of Ocular Bioavailability of Meloxicam Abd-Elgawad H. Abd-Elgawad, Osama A. Soliman, **Marwa S. El-Dahan**, Ghada A. A. El-Emam, IOSR Journal of Pharmacy and Biological Sciences; (12): 79-96 (2017).
- 17- Characterization, Stability and Anti-Inflammatory Efficacy of Aceclofenac Eye Drops, Osama A. Soliman, **Marwa S. El-Dahan** and Sara N. Maria , IOSR Journal of Pharmacy and Biological Sciences; (13): 07-13 (2018)
- 18- Chitosan-Coated PLGA Nanoparticles for Enhanced Ocular Anti- Inflammatory Efficacy of Atorvastatin Calcium, Mona G Arafa, Germeen NS Girgis, **Marwa S El-Dahan**, International Journal of Nanomedicine; 15: 1335–1347 (2020)
- 19- New Oral Coaxial Nanofibers for Gadodiamide- Prospective Intestinal Magnetic Resonance Imaging and Theranostic, Alaa Yaser Darwesh, **Marwa Salah El-Dahhan** Mahasen Mohamed Meshali, International Journal of Nanomedicine; 15: 8933–8943 (2020)
- 20- A new dual function orodissolvable/dispersible meclizine HCL tablet to challenge patient inconvenience: *in vitro* evaluation and *in vivo* assessment in human volunteers, Alaa Y. Darwesh, **Marwa S. El-Dahhan**, Mahasen M. Meshali, Drug Delivery and Translational Research; (11): 2209-2223 (2021)
- 21- Formulation, optimization and characterization of allantoin-loaded chitosan nanoparticles to alleviate ethanol-induced gastric ulcer: in-vitro and in-vivo studies. Reham Mokhtar Aman, Randa A. Zaghoul & **Marwa S. El-Dahhan**, Scientific Reports; 11:2216 (2021)
- 22- Chitosan-dipotassium orthophosphate lyophilizate: a novel in situ thermogel carrier system of allogeneic platelet lysate growth factors, Toaa A. Abdelrahman, Amira Motawea, **Marwa S. El-Dahhan** & Galal M. Abdelghani, Drug Delivery;(29): 413–426 (2022).

Activities and Participation in Sub-Faculty Council Committees

- Member in the Board Department of Pharmaceutics.
- Member of Mansoura University Staff Member.

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- Member of the Egyptian Pharmaceutical Association.
- Member of the Sub-Committee of the Clinical Pharmacy Program from 24/2/2020 to date
- Invitation to attend Faculty Council's meeting – Faculty of Pharmacy-Mansoura University as a director for Clinical Pharmacy Program since October 2021
- Member of Education and Student Affairs Committee-Faculty of Pharmacy-Mansoura University 2017/2018 to date.
- Shared in the preparation of Program Description for Bachelor of Pharmaceutical Sciences by Credit Hours and Pharm D Program
- Member of the Academic Timetables Committee, 2016/2017 to date.
- Shared in preparing a question bank and holding electronic exams 2019/2020
- Shared in an electronic examination for level (2) - Pharmacy students- Pharm D students - Faculty of Pharmacy - Mansoura University, the Second Semester, 2021/2022
- Member of the Internal Audit Committee for Question Banks, Faculty of Pharmacy – Mansoura University, 2019/2020
- Member of the Sub-Committee of the Pharm-D for the academic year from 7/2/2016 to 6/2/2018 and from 7/2/2018 to 6/2/2020.
- Shared in the preparation of Program Description for Postgraduate students.
- Member of the Coordination and Admission Committee for Postgraduate Programs Students 2011/2012 to date.
- Member of library committee in Mansoura University from 2011/2012 until 2019/2020.
- Member of central lab committee in the faculty of pharmacy – Mansoura University from 2011/2012 until 2018/2019.
- Member of the team for the Egypt Award for Governmental Excellence 2019/2020.
- Member of the internal audit committee for scientific departments - Faculty of Pharmacy –Mansoura University, 2016/2017, 2018/2019 and 2020/2021.
- Member of the internal audit committee for the administrative departments - Faculty of Pharmacy – Mansoura University, 2018/2019, 2019/2020, 2021/2022
- Member of the Standard Team (Quality Management and Continuous Development) of the annual self-report 2016/2017

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- Member of the Standard Team (Academic Standards and Educational Programs) of the annual self-report 2018/2019 – 2020/2021
- Member of the Executive Committee to follow up the strategic plan 2019/2020
- Member of the Committee for Reviewing Compliance of Courses with National Reference Standards 2021/2022
- Member of the self-study preparation team for the clinical pharmacy program 2020/2021
- Head of the annual inventory committee of the college library 2018/2019, 2019/2020.
- Head of the Committee of the chemicals examination 2017/2018, 2018/2019.
- Member in the control of Clinical Pharmacy Program, 2011/2012 – 2018/2019.
- Head of Control of Clinical Pharmacy Program, 2018/2019, 2019/2020
- Academic Advisor for students in the clinical pharmacy program in the faculty of pharmacy.
- Academic Advisor for students in Pharmaceutical Sciences program-credit hour program, faculty of pharmacy.
- Supervision on the summer training of the undergraduate pharmacy students.
- Participation in judging in 6th Scientific Conference for Pharmacy Students held in the Faculty of Pharmacy – Mansoura University on 7th April 2018.
- Participation in 2nd International Conference of Pharmaceutical Sciences at Mansoura University held on 9th – 12th April 2019.
- Participation in 5th Scientific Conference of Pharmaceutics Department at Mansoura University held on 15th April 2019.
- Participation in 6th Hybrid International Annual Scientific Conference of Pharmaceutics Department - Faculty of Pharmacy – Mansoura University held on 5th October 2021.
- Member of the Academic Timetables Committee for graduate students from academic year 2014/2015 to date.
- Participation in the arbitration of scientific articles for diploma students.
- Supervision on the scientific articles for diploma students.

Training Courses, Programs and Skills

★ Academic Teacher Preparation (16-27 January 2010), Faculty of Education, Mansoura University

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★ Quality Improvement and Skills Development Training Programs at Faculty Leadership Development Project (FLDP)/ University Development Center/ Mansoura University:

1. Sustainable Development Goals and Egypt Vision 2030 (12-13 April 2022, 10 Hours)
2. Research Ethics (15-16 February 2022, 10 Hours)
3. Quality Standards in the Education Process (6-7 February 2022, 10 Hours)
4. Statistical Analysis Skills (19-20 December, 10 Hours)
5. Effective Crisis Management (17-18 October. 10 Hours)
6. Exams and Students Evaluation Systems ((27-28 February 2021, 10 Hours)
7. Scientific search engines and university ranking methods (6-7 November 2016, 15 Hours).
8. The research team management (13-14 April 2014, 15 Hours).
9. Undergraduate Management (16-17 March 2014, 15 Hours).
10. Strategic Planning (1-2 September 2013, 15 Hours).
11. The application of the academic standards of the education programs (15-18 April 2012, 15 Hours).
12. Organizing scientific conferences (25-27 March 2012, 15 Hours).
13. The credit hours programs (9-11 October 2011, 15 Hours).
14. Local and global competitive research projects (16-18 May 2010, 15 Hours).
15. Effective Presentation (3-5 January 2010, 15 Hours).
16. Scientific Publishing (24-26 August 2008, 15 Hours).
17. The use of technology in teaching (27-28 January 2008, 15 Hours).
18. Ethics and morals of teaching career (28-30 January 2007, 15 Hours).
19. Recent trends in teaching (3-5 September 2006, 15 Hours).