

Curriculum Vitae

1. Personal Information:

- ★ **Name:** Marwa Salah EL-Deen Mansour EL-Dahan.
- ★ **Address:** Department of Pharmaceutics – Faculty of Pharmacy – Mansoura University – Egypt – Zip code: 35516



★ **E-mail address:** marwaeldahan_1975@yahoo.com

★ **Google scholar:**

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★ **Official CV:**

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★ **Telephone:**

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2. Educational 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.

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- 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.

3. Academic appointments

★ **Demonstrator in the department of pharmaceutics – Faculty of Pharmacy – Mansoura University – Egypt.**

From September/ 1998 until September / 2005.

★ **Assistant lecturer in the department of pharmaceutics – Faculty of Pharmacy – Mansoura University – Egypt.**

From October / 2005 until July / 2010.

★ **Lecturer in the department of pharmaceutics – Faculty of Pharmacy – Mansoura University – Egypt.**

From July / 2010 until 2017.

★ **Associate professor of pharmaceutical sciences “Pharmaceutics” since 2017 until now.**

4. Teaching Duties:

★ **Undergraduate students:**

Teaching Pharmaceutics courses to **the undergraduate students in the ordinary pharmacy program.** The taught courses include:

- ✓ Formulation of different Pharmaceutical preparations including: simple mixture, suspension, emulsion, suppositories, tablet, tablet triturates, effervescent granules, and other topically applied preparations.
- ✓ Powder technology such as flowability and compressibility.
- ✓ Physical pharmacy.

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- ✓ Teaching the pharmaceutical calculation of isotonic parenteral and ophthalmic formulation.
- ✓ Teaching the different cosmetic preparations including: creams, ointments, shampoo, sticks, tooth paste.....etc.
- ✓ Teaching Pharmaceutical Ethics and Legislation course.
- ✓ Teaching Pharmacy Orientation course.

★ **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
- ✓ Pharmaceutics 2

★ **Postgraduates and diploma students**

- 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, applying calculations for the preparations in laboratories.
- Conducting lectures using modern presentation techniques.

5. Research Fields and Experience:

- Formulation and evaluation of different ophthalmic preparations.
- *In vitro* evaluation, stability study and *in vivo* study on different dosage forms.
- 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.

6. 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.
3. Pharmaceutical Study on the Design and Preparation of Some Sustained Release Solid Dosage Forms Containing Certain Drugs starting on 28th December 2014 to July 2017.
4. Formulation and Evaluation of Certain Drugs in Orodissolvable Dosage Forms starting on 5th March 2013 to 30th November 2020.

(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.

7. 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. 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, July 28, (2016).
10. 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, November 9, (2016).
11. 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, 13(8), (2016).
12. 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).
13. 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).
14. 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, February 2, (2017).

15. 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(5), 79-96 (2017).

16. 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(2), 07-13 (2018).

17. Chitosan-Coated PLGA Nanoparticles for Enhanced Ocular Anti-Inflammatory Efficacy of Atorvastatin Calcium. Mona G Arafa, Germeen NS Girgis, **Marwa S El-Dahhan**. International Journal of Nanomedicine. 15, 1335-1347 (2020).

18. 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).

19. 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 1, **Marwa S. El-Dahhan**, Mahasen M. Meshali, Drug Delivery and Translational Research. 2021 <https://doi.org/10.1007/s13346-020-00889-z>

20. 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 (2021) 11:2216 <https://doi.org/10.1038/s41598-021-81183-x>

8. Other Activities:

- A member in the Board Department of Pharmaceutics.
- Honest of the Board Department of Pharmaceutics from October 2011 till September 2012 and from August 2014 till September 2016.
- A member of Mansoura University Staff Member.
- A Member of the Egyptian Pharmaceutical Association.

★ College activities

- A member of library committee in the faculty of pharmacy – Mansoura University from 2011 until 2016.
- A member of library committee in Mansoura University from 2011 until now.
- A Member of central lab committee in the faculty of pharmacy – Mansoura University from 2012 until now.
- Academic Advisor for students in the faculty of pharmacy.
- A member of the department of the college study schedules from the academic year 2012/2013 till now.
- A permanent member in the faculty team for Continuous Improvement and Qualification for Accreditation Project.
- Active member in tutorial and students service activities in the faculty of pharmacy – Mansoura University.
- Shared in the preparation of Program Description for Bachelor of Pharmaceutical Sciences by Credit Hours.
- Shared in the preparation of Program Description for Postgraduate students.
- Shared in the preparation of Annual Faculty Self Assessment Report for the years 2010/2011 – 2013/2014.
- Shared in the preparation of Annual Faculty Self Assessment Report of clinical pharmacy program for the years 2012/2013 – 2013/2014.

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- Member of the Sub-Committee of the Pharm-D for the academic year from 7/2/2016 until now.
- A member in the Committee of chemicals and equipments specifications and decision.
- A member in the Committee of the chemicals and equipments examination for the years 2013/2014 – 2014/2015.
- Member of the Committee's annual inventory (sub store to Department of Pharmaceutics) for the academic year 2015/2016.
- A Member in the Committee of Internal Auditor in faculty of pharmacy for the academic year 2014/2015 and 2015/2016.
- Member in the Committee of Education and Students Affairs from 2017 until now.

★ **Student Activities**

- A member in the control of the clinical pharmacy programme from the academic year 2011/2012 till now.
- 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.
- Shared in 1st Scientific Conference for Pharmacy Students held in the faculty of pharmacy – Mansoura University on 29th March 2012.
- Shared in 2nd Scientific Conference for Pharmacy Students held in the faculty of pharmacy – Mansoura University on 26th March 2013.

★ **Graduate activities**

- A member in the control of graduate students for academic year 2011/2012.
- Participate in the review of the regulation of Higher Studies for academic year 2011/2012.

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- A member of the coordinating committee to accept grants and graduate students from the academic year 2011/2012 till now.
- A member in the committee of the study schedules for graduate students from academic year 2014/2015 till now.
- Participation in the arbitration of scientific articles for diploma students.
- Supervision on the scientific articles for diploma students.

9. Training courses

- ★ Academic Teacher Preparation (16-27 January 2010), Faculty of Education, Mansoura University
- ★ Quality Improvement and Skills Development Training Programs at Faculty Leadership Development Project (FLDP)/ University Development Center/ Mansoura University:
 1. Recent trends in teaching (3-5 September 2006, 15 Hours).
 2. Ethics and morals of teaching career (28-30 January 2007, 15 Hours).
 3. The use of technology in teaching (27-28 January 2008, 15 Hours).
 4. Scientific Publishing (24-26 August 2008, 15 Hours).
 5. Effective Presentation (3-5 January 2010, 15 Hours).
 6. Local and global competitive research projects (16-18 May 2010, 15 Hours).
 7. The credit hours programs (9-11 October 2011, 15 Hours).
 8. Organizing scientific conferences (25-27 March 2012, 15 Hours).
 9. The application of the academic standards of the education programs (15-18 April 2012, 15 Hours).
 10. Strategic Planning (1-2 September 2013, 15 Hours).
 11. Undergraduate Management (16-17 March 2014, 15 Hours).
 12. The research team management (13-14 April 2014, 15 Hours).
 13. Scientific search engines and university ranking methods (6-7 November 2016, 15 Hours).