

Curriculum Vitae

Dr. Fatma Mohammed Mady Ali

Professor of Pharmaceutics
Faculty of Pharmacy –Minia University



Personal data:

Name : **Fatma Mohammed Mady Ali**
Current title : Professor of Pharmaceutics and Supervisor of Clinical Pharmacy Department
Address : Faculty of Pharmacy, Minia University, Minia, Egypt.
Telephone : Mobile: 010028733768
e-mail : fatmamady@hotmail.com, fatma.ali@mu.edu.eg
Date of Birth : 24 July 1975
Place of Birth : Minia, Egypt
Religion : Muslim
Nationality : Egyptian
Marital : Married with 3 children
Status

Qualification degrees:

- **B.Sc.** in pharmaceutical sciences, Faculty of pharmacy, Assuit University, Egypt, 1997. (Very good with honor degree)
- **M.Sc.** degree in pharmaceutical sciences (Pharmaceutics), Faculty of pharmacy, Minia University, Egypt, 2002.
Title thesis: "Formulation and evaluation of Phenylpropanolamine hydrochloride from different pharmaceutical solid dosage forms"
- **Ph.D.** degree in pharmaceutical sciences (Pharmaceutics), Faculty of pharmacy, Minia University, Egypt, after a channel scholarship to Biopharmaceutics Department, Faculty of Pharmacy, Kumamoto University, Kumamoto, Japan from 2008 to 2010.

Title thesis: "Preparation and Evaluation of modified release solid dosage form(s) of Famotidine"

Academic appointment:

- Appointed as a demonstrator at the dept. of Pharmaceutics, Faculty of Pharmacy, Minia University, Egypt based on the approval of the university council beginning from 1998
- Appointed as an assistant lecturer at the dept. of Pharmaceutics, Faculty of Pharmacy, Minia University, Egypt based on the approval of the university council beginning from 2003
- Appointed as a lecturer then Associate professor at the dept. of Pharmaceutics, Faculty of Pharmacy, Minia University, Minia, Egypt based on the approval of the university council beginning from 2010 until now.
- Appointed as Assistant professor in Ibn Sina College of pharmacy, Jeddah, KSA from 2011 - 2012.
- Appointed as Assistant professor in dep. of pharmaceutics, female section, in Taibah University, Medina, KSA from 2013-2019.
- Acted as the head of Pharmaceutics Department, Faculty of Pharmacy, Minia University, Minia, Egypt 2020-2022.
- Appointed as supervisor of Clinical Pharmacy Department, Faculty of Pharmacy, Minia University, Minia, Egypt 2022- till now.

Brief description of duties:

Teaching practical courses in Faculty of Pharmacy, Minia University, Minia, Egypt:

- Teaching [Pharmaceutical calculations](#) for 1st grade students, 2003 /2005
- Teaching [Solid dosage forms](#) for 2nd grade students, 2003/2005
- Teaching [Liquid dosage forms](#) for 3rd grade students, 2003/2005
- Teaching [Pharmacokinetics and Biopharmaceutics](#) for 4nd grade students, 2005/2007

Teaching Theoretical courses in Faculty of Pharmacy, Minia University, Minia, Egypt:

- Teaching [Pharmacokinetics and Biopharmaceutics](#) for 4nd grade students, 2010

Teaching Courses in College of Pharmacy, Taibah University, AL-Madinah AL-Munawarah, Kingdom of Saudi Arabia:

- Participation in teaching [pharmaceutical calculations](#) for the 1st grade students 2013 /2016
- Participation in teaching [Liquid dosage forms](#) for the 2nd grade students 2013 /2016
- Participation in teaching [Pharmaceutical Technology and Industrial pharmacy](#) for the 4th grade students 2013 /2016
- Participation in teaching [Quality control of dosage forms](#) for the 4th grade students 2013 /2016
- Participation in teaching [Pharmacokinetics and Biopharmaceutics](#) for the 3rd grade summer course students 2013, 2014, 2017, 2018
- Participation in teaching [nuclear pharmacy and radiopharmaceuticals](#) (new curriculum) for the 3rd grade summer course students 2013 /2014
- Participation in teaching [Sterile dosage forms](#) for the 4th grade students 2013 /2016
- Participation in teaching [OTC](#) for the 4th grade students 2013 /2016
- Participation in teaching [Applied Pharmacokinetics](#) for the 5th grade (Pharm D) students 2015 - 2019 (new curriculum)
- Participation in teaching [Pharmaceutical Biotechnology](#) for the 4th grade students 2014 /2016 (new curriculum)
- Participation in teaching [Community Pharmacy Practice](#) for the 3rd grade students 2021-2025
- Participation in teaching [Hospital Pharmacy](#) for the 3rd grade students 2021-2025
- Participation in teaching [Clinical Pharmacokinetics](#) for the 3rd grade students 2021-2025
- Participation in teaching [Drug information](#) for the 3rd grade students 2022-2023
- Participation in teaching [Marketing and Pharmacoeconomics](#) for the 3rd grade students 2022-2023
- Participation in teaching [Communication Skills](#) for the 3rd grade students 2021-2025

Workshops and Courses:

Courses and workshops held in the Faculty and Leadership Development Project (FLDP), Egypt:

- Quality standards in the education process, 2001.
- International publishing of scientific research, 2002.

- Communication skills, 2004.
- Creative teaching workshop, 2010
- Set-up personal websites workshop, August 2016.
- Reference manager (Endnote) workshop, August 2016.

Courses and workshops held in Taibah University, AL-Madinah AL-Munawarah, Kingdom of Saudi Arabia:

- The Web of Science, ISI web of knowledge training workshops, February 2016.
- Turnitin & iThenticate Training workshop, November 2015.
- Scientific integrity in a scientific research workshop, November 2015.
- Creative teaching workshop, October 2015.
- Academic advising workshop, September 2014.
- Course Specification workshop, October 2015
- Course report workshop, October 2015.
- Best Practices for writing and analyzing Exams workshop, March 2016.
- Management of personal electronic websites workshop, April 2016.
- Post-exam analysis workshop, 18th April 2017.
- Designing courses and electronic books workshop, 11th December 2017.
- SPSS workshop, 1st February 2018.
- Management of crisis and disaster workshop, 24th April 2018.
- Blackboard basics, 12 February 2019
- Test blueprinting, 14 February 2019
- Mobile applications, 2022
- University management, 2022
- Scientific research ethics and international publishing, 2022

Academic activities:

- Collaborated in preparing and establishing the bylaws of Pharmaceutics Department, Faculty of Pharmacy, Minia University (Bachelor Degree of Pharmaceutical Sciences), 1999.

- Collaborated in designing the courses of Pharmaceutics Department Faculty of Pharmacy, Minia University and its specifications (Bachelor Degree of Pharmaceutical Sciences).
- Collaborated in preparing course specifications and course reports for pharmaceutics courses (Bachelor and Pharm D degrees), 2013-2016, Faculty of Pharmacy, Taibah University, KSA.
- Participating in Assuit conference 2002 with a paper of my work in the master's degree under the supervision of Prof. Dr. Sayed Ismail, Prof. Dr. Ibrahim El Gibaly and Dr. Susan El-Harras.
- Studying scholarship for PhD degree for 2 years in Kumamoto University, Japan from 2008-2010.
- Participation in The Asian Federation for Pharmaceutical Sciences (AFPS) Conference, October 2009 in Fukuoka, Japan and Achieving the AFPS Nagai-Shukri Pre-Doctoral Award for the best oral presentation.
- Participation in 130th Conference of Pharmaceutical Society of Japan in Okayama, Japan, March 2010 with an oral presentation.
- Supervising some graduation projects in Faculty of Pharmacy, Taibah University in three successive years since 2013-2016.
- Attending the webinar titles: European journal of pharmaceutics and biopharmaceutics- "Accelerating development for challenging compounds: Bioavailability enhancement by assessing multiple technologies in parallel" on 20 January 2016.
- Attending the webinar titles: "Advances In Manufacturing Technology" on 6 December 2016
- Attending the webinar titled: Catalent Pharma Solutions – "Overcoming Barriers to Non-invasive Delivery of Macromolecules" on 7/12/2016.
- Getting a fund of 83295 SR for a project granted by Scientific Research Deanship, Taibah University, KSA, 2014.
- Attending the 4th FUE international conference of pharmaceutical sciences on 31Jan-2 Feb 2017 by an accepted poster presentation.
- Participating in DUPHAT international conference 7th – 9th March 2017 by an accepted poster presentation.
- Attending 2nd International Pharma conference, Helwan 11th – 12th September 2018 by an accepted poster presentation.
- Participation in SIPHA 23-24 January 2019, Jeddah, KSA by an accepted poster presentation.
- Participation in MPSC 25-26 September 2024, Minia, Egypt by an accepted oral presentation.

Scientific and journalistic activities:

Reviewer for the following international scientific journals:

Drug Development and Industrial Pharmacy
International Journal of Pharma and Biosciences
International Journal of nanobiotechnology
International Journal of Nanomedicine
Current drug delivery
Journal of Advanced Biomedical and Pharmaceutical Sciences
International Journal of Coronaviruses
Journal of Taibah University Medical Sciences
Dose-response Journal
Pharmaceutics
Healthcare
Scientific Reports

Editor for the following international scientific journals:

International Journal of antibiotic research
Journal of advanced pharmaceutical science and technology
Journal of advanced biomedical and pharmaceutical sciences

Publications:

1. El-Gibaly I., El-Harras S.A., Ismail S., **Mady F.M.** In-vitro and in-vivo evaluation of phenylpropanolamine hydrochloride tableted microparticles as a controlled release dosage form, *Alexandria Journal of Pharmaceutical Sciences*, 2004, 18 (1): 47-61.
2. **Mady F.M.**, Abo-Taleb A., Khalid K.A., Yamazaki K., Iohara D., Anraku M., Hirayama F., Uekama K., Otagiri M. **Evaluation of carboxymethyl-beta-cyclodextrin with acid function:**

- improvement of chemical stability, oral bioavailability and bitter taste of famotidine. *International Journal of Pharmaceutical Sciences*, 2010, 397 (1-2): 1-8.
3. **Mady F.M.**, Abo-Taleb A., Khalid K.A., Yamazaki K., Iohara D., Ishiguro T., Hirayama F., Uekama K., Otagiri M. **Enhancement of the aqueous solubility and masking the bitter taste of famotidine using drug/SBE-beta-CyD/povidone K30 complexation approach.** *Journal of Pharmaceutical Sciences*, 2010, 99 (10): 4285-4294.
 4. Anraku M., Arahira M., **Mady F.M.**, Khalid K.A., Yamazaki K., Seo H., Imai T., Otagiri M. **Enhancement of dissolution and bioavailability of flurbiprofen by low molecular weight chitosans.** *Die Pharmazie*, 2010, 65 (7): 461-466.
 5. Ahmed O.A., Hussein A.K., **Mady F.M.**, **Optimization of Microstructured Biodegradable Finasteride Formulation for Depot Parenteral Application.** *Journal of microencapsulation*, 2016, 33, issue 3: 229-238.
 6. **Mady F.M.**, Essa H., AbdelKader H., Hussein A.K., Ammawi T. **Formulation and clinical evaluation of silymarin pluronic-lecithin organogels for treatment of atopic dermatitis.** *Drug Design, Development and Therapy*, 2016, 10: 1101-1110
 7. Shaban M.A., **Mady F.M.**, Shaker M. **Imipenem/Cilastatin Encapsulated Nanoparticles for Destroying Multiple Antibiotic Resistant Isolates of Pseudomonas aeruginosa and Klebsiella pneumonia.** *Journal of nanobiotechnology*, 2017: 15-29
 8. **Mady F.M.**, Farghaly U. **Experimental, molecular docking investigations and bioavailability study on the inclusion complexes of Finasteride and cyclodextrin derivatives.** *Drug Design Development and Therapy*, 2017, 11: 1681-1692.
 9. **Mady FM**, Shaker MA. **Enhanced anticancer activity and oral bioavailability of ellagic acid through encapsulation in biodegradable polymeric nanoparticles.** *International journal of nanomedicine*, 2017, 12: 7405-7417
 10. Hatem Al Sabaa, **Fatma M. Mady***, Amal K. Hussein, Hossam M. Abdel-Wahab, Maha H. Ragaie. Dapsone in topical niosomes for treatment of acne vulgaris. *African Journal of pharmacy and pharmacology*, 2018, 12(18): 221-230.
 11. **Mady F.M.**, Ibrahim S.R.M. **Cyclodextrin-based nanosponge for improvement of solubility and oral bioavailability of Ellagic acid,** *Pakistan Journal of pharmaceutical sciences*, 2018, suppl., Vol 31, no.5.

12. Rasha TA. Abdel-Aziz, Usama Farghaly Aly, **Fatma M. Mady**. **Enhanced skin delivery of propranolol HCl using nonionic surfactant-based vesicles for topical treatment of infantile hemangioma.** *Journal of Drug Delivery Science and Technology*, 2021, 16 102235: 1-10.
13. Hesham Refaat, **Fatma M. Mady**, Hatem A. Sarhan, Heba S. Rateb, Eman Alaaeldin. **Optimization and evaluation of propolis liposomes as a promising therapeutic approach for COVID-19.** *International Journal of Pharmaceutics*, 2021, 592; 120028:1-14.
14. **Fatma M. Mady**, Sabrin R.M. Ibrahim, Mohammed A. AboGhaleb. **Development and evaluation of alginate-gum blend mucoadhesive microspheres for controlled release of metformin hydrochloride.** *J. Adv. Biomed. & Pharm. Sci*, 2021, 4: 111-118.
15. Mona I. Shaaban, Mohamed A. Shaker and **Fatma M. Mady**. **Liposomal Delivery: A Powerful Tool to Promote the Efficacy of Antimicrobial Agents.** *Interfaces between nanomaterials and microbes*, 1st edition, chapter 12, 2021: 268-285
16. Enas Alaa El-din Abdel-Aziz, Sherif Farouk Elgayar, **Fatma M Mady**, Mohammed A S Abourehab, Omiya Ali Hasan, Lamis M Reda, Eman Alaaeldin. **The Potential of Optimized Liposomes in Enhancement of Cytotoxicity and Apoptosis of Encapsulated Egyptian Propolis on Hep-2 Cell Line.** *Pharmaceutics*, 2021, 13; 2184.
17. Nabil A. Alhakamy, Usama A. Fahmy, Shaimaa M Badr Eldin, Osama A A. Ahmed, Hibah M. Aldawsari, Solomon Z. Okbazghi, Mohamed A. Alfaleh, Wesam H. Abdulaal, Abdulmohsin J. Alamoudi and **Fatma M. Mady**. **Scorpion Venom-Functionalized Quercetin Phytosomes for Breast Cancer Management: In Vitro Response Surface Optimization and Anticancer Activity against MCF-7 Cells.** *Polymers*, 2022, 14, 93
18. Osama A.A. Ahmed, Shaimaa M. Badr Eldin, Giuseppe Caruso, Usama A. Fahmy, Waleed S Alharbi, Alshaimaa M Almehmady, Shareefa A. AlGhamdi, Tarek S. Ibrahim, Nabil A. Alhakamy, Amir I. Mohamed, Hibah M. Aldawsari, **Fatma M. Mady**. **Colon-targeted Eudragit-coated beads loaded with optimized Fluvastatin-scorpion venom conjugate as a potential approach for colon cancer therapy: In vitro anticancer activity and in vivo colon imaging.** *Journal of Pharmaceutical Sciences*, 111 (2022), 3304-3317
19. Gaballa, S.A., Shimizu, T., Takata, H.,, **Mady Fatma M.**, Khaled, K.A., Ishida, T. **Impact of Anti-PEG IgM Induced via the Topical Application of a Cosmetic Product Containing PEG Derivatives on the Antitumor Effects of PEGylated Liposomal Antitumor Drug Formulations in Mice.** *Molecular Pharmaceutics*, 2024, 21(2), pp. 622–632

20. Gaballa, S.A., Shimizu, T., Takata, H.,, **Mady Fatma M.**, Khaled, K.A., Ishida, T. **Treatment-induced and Pre-existing Anti-peg Antibodies: Prevalence, Clinical Implications, and Future Perspectives.** *Journal of Pharmaceutical Sciences*, 2024, 113(3), pp. 555–578
21. Mostafa, M., El-Emam, M.M.A., Mansour, M.F., ... **Mady, F.M.**, Qelliny, M.R. **Berberine hydrochloride-loaded lipid-based nanoparticles ameliorate β -cell function by targeting Nrf2/NF- κ B signaling pathway in alloxan-induced diabetes using a murine model: Optimization through full factorial design.** *Journal of Drug Delivery Science and Technology*, 2024, 100, 106076

Conferences

1. Participation in The Asian Federation for Pharmaceutical Sciences (AFPS) Conference, October 2009 in Fukuoka, Japan and Achieving the AFPS Nagai-Shukri Pre-Doctoral Award for the best oral presentation.
2. Participation in 130th Conference of Pharmaceutical Society of Japan in Okayama, Japan, March 2010 with an oral presentation.
3. **Mady F.M.**, Ahmed OA, Ibrahim S.R.M. **Cyclodextrin-based nanosponges for improvement of bioavailability of Ellagic acid.** (Poster in 4th FUE international conference of pharmaceutical sciences, 2017).
4. **Mady F.M.**, Abdel-Wahab, Ibrahim S.R.M. **Gum-alginate mucoadhesive microspheres for controlled Metformin release.** (Poster in Duphat, 2017).
5. Osama A Ahmed, Amal K Hussein, **Fatma M Mady***. **Box-Behnken Experimental Design of Biodegradable Finasteride microspheres for Sustained Parenteral Application.** (Poster in 2nd International Pharma conference, Helwan University, September 2018).
6. Mohammed Alooz, **Fatma Mady**, Mohamed Shaker. **Enhanced anticancer activity and oral bioavailability of Ellagic acid through encapsulation in biodegradable polymeric nanoparticles.** (Poster in SIPHA, Jeddah, KSA, 2019).
7. Participation in MPSC 25-26 September 2024, Minia, Egypt by an accepted oral presentation