

Sana Mohamed Mortada Ali

Scientific Education

- B. Sc. Pharmacy, July 1970 (Excellent Degree with honor)
- M. Sc. Pharmaceutical Sciences (Industrial Pharmacy), August 1974
- Ph.D. in Pharmaceutical Sciences (Industrial Pharmacy), January 1979

Work Experience

1. Demonstrator in Faculty of Pharmacy, Alexandria University, Industrial Pharmacy Department. (1970 - 1974)
2. Assistant Lecturer in Faculty of Pharmacy, Alexandria University, Industrial Pharmacy Department. (1974 - 1979)
3. Lecturer in Faculty of Pharmacy, Alexandria University, Industrial Pharmacy Department. (1979 - 1984)
4. Assistant Professor in Faculty of Pharmacy, Alexandria University, Industrial Pharmacy Department. (1984 - 1989)
5. Professor in Faculty of Pharmacy Department. (August 1989 up till now)

Scientific Activity:

1. Teaching Industrial Pharmacy for B. Sc. Students since 1979.
2. Giving lectures for Industrial Pharmacy Diploma since 1979.
3. Visiting professor in Beirut University for teaching Industrial Pharmacy and Pharmaceutical Technology.
4. Participated in a lot of Pharmaceutical Sciences Conferences in Cairo and Alexandria either as an attendant or as a lecturer.
5. Member in the Scientific Committee for promotion for Assistant professors in Pharmaceutical Sciences and Industrial Pharmacy. From September 2001 till September 2004.
6. Member in the Scientific committee for promotion (for professors in Pharmaceutical Sciences, Pharmaceutics and Industrial Pharmacy) Oct. 2004 till 2010.

Supervising Scientific Thesis:

1. Supervising M. Sc. Study of some factors affecting drug dissolution (Degree granted in 1982).
2. Supervising PhD in a Study of some drug polymer systems, technology and evaluation (Degree granted in 1987).
3. Supervising PhD in preparation and evaluation of some digestive aid formulations (Degree granted in 1995).
4. Supervising MSc. In Formulation and evaluation of some oral sustained release dosage forms (Degree granted 1999).
5. Supervising M.Sc. in Development and in-vitro evaluation of some Colon-targeting drug delivery system (Degree granted in 2005).

6. Supervising MSc. in evaluation of various complexing agents as adjuvant in solid dosage forms containing poorly soluble drugs (Degree granted in 2007)
7. Supervising M.Sc. in Microemulsion as suitable carrier system for Cosmeceutical preparations (Degree granted in 2009)
8. Supervising M.Sc. in Design and Evaluation of controlled release of some selected drugs using pelletization technique (Degree granted in 2009)
9. Supervising PhD. in Potential application of polymers in implantable Therapy (Degree granted in 2010)
10. Supervising M.Sc. in Formulation and In-vitro evaluation of some controlled release drug delivery systems (Degree granted in 2011)
11. Supervising PhD. In Potential applications of some modern colloidal carriers (Degree granted in 2011)
12. Supervising PhD. in Formulation , Design and Evaluation of some fast dissolving / disintegrating oral tablets (Degree granted in 2013)
13. Supervising M.Sc. in Formulation and In-vitro Evaluation of new multi layer tablet for combination pharmaceutical composition (Registered in 2010 till now)
14. Supervising M.Sc. in Contribution Study to Nano-Pharmaceutical system as an active vector for drug delivery (Registered in 2010 till now)
15. Supervising M.Sc. in Nanosponges versus Nano-sized lipid carriers as new horizon for effective drug delivery (Registered in 2012 till now)

Social Activity

- Member in Pharmacy Syndicate.
- Member in Pharmacy Club.
- Member in Alexandria Sporting Club.

Personal Information

Date of Birth: 12 / 01 / 1948

Social Status: Married, Husband:-

General. Farouk Mohammed Ibrahim Sakr

Sons:

Amr: Physician, **Tamer:** Pharmacist, .

Mohammed: Engineer

List of Publications

1. Preparation, Dissociation And Bioavailability Studies Of Streptomycin –Carboxy, Methyl Cellulose Complex.
F.El Khaws , M.A.Elegakey , A.M.Motawi , M.M.Abd ElKhalik and S.A.M Mortada.
J Drug Res , Egypt ,6,91(1974).
2. Preparation And In-Vitro Dissolution Behavior Of Some Hydrocolloid Complexes I-Quinine – Carboxy Methyl Cellulose Complex. A.M.Motawi , F.EL Khawas , M.M.Abd El Khalik and S.A.M Mortada.
Fourth Congress of Arab pharmacists Union , Novemeber (1974) Egypt.
3. Preparation And In-Vitro Dissolution Behavior Of Some Hydrocolloid Complexes. II- Reserpine – CMC Soduim Coprecipitate.
A.M.Motawi , F.EL Khawas , M.M Abd El KHalil and S.A.M.Mortada.
Fourth Congress of Arab pharmacists Union , November (1974) Egypt.
4. Preparation And In-Vitro Dissolution Behavior Of Some Hydrocolloid Complexes. III- Chlorpomazine – Alginate Complex.
A.M.Motawi , F.El Khawas , M.M Abd EL Khalik and S.A.M.Mortada.
Fourth Congress of Arab pharmacists Union , November (1974) Egypt.
5. Effect Of Certain Iubricant On The Dissolution Rate Of Some Active Ingredients From Tablets. F.EL Khawas , A.M Motawi , M.M Abd El Khalik and S.A.M.Mortada.
Fifth congress of Arab pharmacists Union , November (1976) Kuwaitt.
6. Drug Micro – Encapsulation By Polyacrylates. Part I – Development Of The Technique
F.El Khawas , A.M Motawi , M.M Abd El Khalik and S.A.M.Mortada
Fifth Congress of Arab pharmacists Union , November (1976) Kuwait.
7. Drug Micro – Encapsulation By Polyacrylates. Part II – Dissolution Studies.
F.El Khawas , A.M Motawi , M.M Abd El KHalik and S.A.M.Mortada
Fifth Congress of Arab Pharmacists Union, November (1976) Kuwaitt.
8. Effect Of Micro – Encapsulation By Polyacrylates On The Stability Of Diphenhydramine Hydrochloride.
F.El Khawas , M.M. Abd El Khalik and S.A.M.Mortada.
Fifth Congress of Arab pharmacists Union , November (1976) Kuwait.
9. Micro – Encapsulation With Butyl Hemiester of Poly Vinyl Methyl Ether Maleic Anhydride.F.El Khawas , M.M.Abd El Khalik and S.A.M.Mortada.
J Drug Res , Egypt , 10,120 (1978).
10. Preparation Of Microcapsules Using The N-Butyl Half –Ester Of PVM/MA Coacervate System.
S.A.Mortada pharmazie, 36 447(1981).
11. Preparation Of Ethyl Cellulose Microcapsules Using The Complex Emulsion Method.
S.A.Mortada pharmazie, 36 447(1981).

12. Crystal Growth Studies Of Sulfathiazole Aqueous Suspension. A.M.Motawi , S.A.M.Mortada , F.El Khawas and K.A.El Khodery *Acta pharm Technology* 28 , 211 (1982).
13. Inhibited Dissolution Of Sulfadizine Crystals By FD & C Red No.2 Dye A.M.Motawi the Faculty of Pharmacy , Cairo University (1982). A.M.M.Motawi , S.A.M.Mortada , F.El Khawas and El Khodery. *Bulletin of the Faculty of Pharmacy , Cairo University , Egypt*, (1982).
14. Effect Of FD & C Red No.2 and D& C Orange No.3 On The Dissolution Rate Of Aspirin Crystals And Compressed Disks A.M.M.Motawi , S.A.M.Mortada , F.El Khawas and El Khodery. *Bulletin of the faculty of pharmacy , cairo university , Egypt*, (1982).
15. Effect Of Drug Content And Particle Size On The Pressure Dependent Dissolution Of Some Water Insoluble Drugs. S.A.M.Mortada, Adel Motawi , Ferial El Khawas and El Khodery. *Bulletin of the faculty of pharmacy , cairo university , Egypt* (1982).
16. Weight And Content Uniformity Of Subdivisions Of Three Brands Of Scored Reserpine Tablets And The Distribution Of The Drug Between And Within Tablets. Lobna M. Mortada and Sana A. M. Mortada. *Bulletin of the faculty of pharmacy , cairo university* 1982.
17. Effect Of Amaranth On Dissolution Behavior Of Codeine Crystals. A.M.Motawi , F.El Khawas , S.A.M.Mortada and KA .El Khodery *Sci.pharm* , 50,105(1982).
18. Enhancement Of Dissolution Rate Of Some Water Insoluble Drugs By The Solvent Deposition Technique. Lobna M.Mortada and S.A.M.Mortada , *Acta pharm technology*, 28,297 (1982).
19. An Assessment Of Modified Zinc Phosphate Cement.Sehan , A.H. and S.A.M.Mortada *Alexandria Dental journal*, 7(1982) .135
20. Application Of PVM / MA To Enhance The Dissolution Rate Of Some Insoluble Drugs S.A.M.Mortada and Nabila A.Borie *pharmazie* , 43,1988,627
21. Preparation Of Microcapsules From Complex Coacervation Of Gelatin-Gantrez. I-Development Of The Technique. Sana A. M. Mortada, Adel M. Motawi, Mohamed A. El-Egakey and Kadria A. El-khodery. *J. Microencapsulation*, 4, (1987), 11.
22. Preparation Of Microcapsules From Complex Coacervation Of Gelatin-Gantrez, II- In Vitro Dissolution Of Nitrofurantion Microcapsules. Sana A. M. Mortada, Mohamed A. El-Egakey, Adel M. Motawi, and Kadria A. El-khodery. *J. Microencapsulation*, 4, (1987), 23
23. Preparation Of Microcapsules From Complex Coacervation Of Gelatin-Gantrez, III- In Bioavailability Of Nitrofurantion Microcapsules. Sana A. M. Mortada, Mohamed A. El-Egakey, Adel M. Motawi, and Kadria A. El-khodery. *J. Microencapsulation*, 5, (1988), 311
24. Preparation And Release Kinetics Of Hydrochlorothiazide From Butyl Half-Ester Of PVM/MA Microcapsules. Sana A. M. Mortada, Mohamed A. El-Egakey, Adel M. Motawi, and Kadria A. El-khodery. *J. Microencapsulation*, 5, (1988), 203
25. Preparation Of Polyvinymethyl Ether-Maleic Anhydride Mucosal Adhesive Ointment. Sana A. M. Mortada and Ahmed G. Eshra. *Alex. J. Pharm. Sci.*, II. (1988) 54
26. Systematic Evaluation Of Polymer Films, **Part 1**: Effect Of Solvent Composition On The Physical Properties Of Fresh And Aged Films Of N-Propyl And N- Butyl Half Ester Of PVM/MA. Sana A. M. Mortada, Mohamed A. El-Egakey, Adel M. Motawi, and Kadria A. El-khodery. *Die Pharmazeutische Ind.*, 52, 107 (1990).

27. Systematic Evaluation Of Polymer Films, **Part 2:** Effect Of Solvent Composition Plasticizer Type And Concentration On Mechanical Characteristics Of Aged Films Of N-Propyl And N- Butyl Half Ester Of PVM/MA. Sana A. M. Mortada, Mohamed A. El-Egakey, Adel M. Motawi, and Kadria A. El-khodery. Die Pharmazeutische Ind., 52, 233 (1990).
28. Systematic Evaluation Of Polymer Films, **Part 3:** Drug Release From N-Propyl And N-Butyl Half Ester Films Of PVA/MA. Sana A. M. Mortada, Mohamed A. El-Egakey, Adel M. Motawi, and Kadria A. El-khodery. Die Pharmazeutische Ind., 52, 352 (1990).
29. Preparation And In-Vitro Evaluation Of Cellulose Acetate Phthalate (CAP) Microcapsules. Sana A.M.Mortada Alex.J.Pharm . ci.,III(1989),I.
30. Enhancement Of Dissolution Rate Of Allopurinol By Crystallization In Aqueous Surfactant And Hydrophilic Polymer Solutions. Sana A.M.Mortada and Nabila A.Boraie Alex.J.Pharm.Sci.,III(1989),45
31. Preparation And In-Vitro Evaluation Of Slow Release Ketoprofen Microcapsules , Khadria A.El-Khodery , Ahmed G.Eshra, Aly H.Nada and Sana A.M.Mortada J microcapsulation , 1994 , Vol II ,No 3 271-270
32. Preparation Of Slow Release Coprecipitates Of Soluble Drugs Using Polyvinyl Acetate Crotonic Acid Copolymer, SanaA.M.Mortada Kadria A.El Khodairy Alex .J.Pharm.Sci.,1992,Vol.6.241.
33. Preparation And Evaluation Of Some Digestiv-Aid Tablet Formulations 1-Effect Of Diluents,Aly A.Shalaby, SanaA.M.Mortada, Ferial M.El Khawas and Abdalla M.MoloKhia Inter. Conf.Of pharmaceutical Sci., and technol ., Alex.March 1995, P.8.
34. Preparation And Evaluation Of Some Degestive –Aid Tablet Formulations
2- Evaluation Of Talc, Magnesium/Stearate And Aerosil As Lubricants Ibid, 1995, P.11
35. Preparation And Evaluation Of Some Digestive –Aid Tablet Formulations.
3- Validation Of Enzymic Analytical Methods, Ibid, 1995, P.12.
36. Preparation And Evaluation Of Some Degestive –Aid Tablet Formulations. **4- Kinetic Treatment Of Enzymic** Release From Complex Digestive – Aid Tablet Formulation, Ibid., 1995, P.23.
37. The Use Of Xanthane Gum For Preparing Controlled Release Ketoprofen Formulation, Doaa M.El-Shemi,Adel M.Motawi, Abdalla M.MoloKhia and SanaA.M.Mortada Conf. of pharmaceutical Sci., and Technol., Alex.March,1995,P.10.
38. Preparation And In-Vitro Release Studies Of Terbutaline Sulfate Microcapsules,Ibid.,1995,P.19.
39. Application Of Hydroxypropyl Methyl Cellulose Phthalate Polymer As A Sustained-Release Matrix. SanaA.M.Mortada ,Kadria.A.El Khodairy and A.El Maradny. Alex J Pharm.Sci, 14, (2000)41.
40. Colon Targeting Of Mesalazine By Coating With Cellulose Based Psuedolatix , Hanafy A.F.H, SanaA.M.Mortada , El Egaky M.A and HiKal A.H.,Sixth Scientific Conf.of National organization for drug control and research , march 2002.
41. Preparation And In Vitro Evaluation Of Mesalazine Eroding Matrix Colon-Targeting Formulations. Hanafy.A.F.H.,Mortada,S.M.El-Egaky,M.A.,and Hikal,A.H.,Seventh Scientific Conf. Of National Organization Drug Control And Research March 2004.
42. The Enhancement Of Aqueous Solubility And Dissolution Of Celecoxib And Meloxicam Using 2-Hydroxypropy Beta Cyclodextrin,Ola A.Kamel , SanaA.M.Mortada Hikal H.A. and Hoda A.El-Maradny , 29th pharmaceutical Scientific Conference December 2004.

43. Complexation Of Celecoxib And Meloxicam With 2 HPBCD Using Different Techniques. Ola A. Kamel, Sana M. Mortada, Hical H. A. and Hoda A. El Maradny, FIB, Cairo, September 2005.
44. Meloxicam – HPBCD complexes prepared by different techniques , characterization and in-vitro evaluation Sana A. Mortada , Hoda A. El Maradny , Ola A. Kamel and Hikal H.A. , Alexandria J. Pharm. Science , Vol 22 , (1) (2008)
45. Development of biodegradable micro and nano particles for local and sustained delivery of 5 fluorouracil to improve liver cancer Hanafy A.H.A ,Elegaky A .M.,Yousif M.I.,Molokhia A.M.,and Sana A.M.Mortada The 30th Annual scientific Congress of Faculty of Medicine,University of Alex. In Collaboration With Northwestern University U.S.A. June 2012
46. Development of implants for sustained release of 5 fluorouracil using low molecular weight biodegradable polymer ,Ibid.,Drug Develop.Therap.3 (6) (2009),287-295
47. Assessment of Localized Therapeutic Effect for Prolonged Release Biodegradable implants loaded with 5-Fluorouracil on Rats with Induced Liver Cancer Ahmed Hanafy , Mokhtar I Yousef, Sana A Mortada and Abdulla M Molokhia, Journal of Taibah University Medical Sciences (2013)
48. A modern approach for controlled transdermal delivery of diflunisal and in-vivo evaluation Marwa.S.A. , Motawi A. M. and Sana A. M.A.Mortada Drug Develop Ind Pharm. (2013) Vol 39 (4) P 600-610
49. An insight on human skin penetration of diflunisal lipogel versus hydrogel micro-emulsion .Drug Develop Ind Pharm (2013) under press