

**Zeinab Mohamed Abdelaziz Fathalla**, BPharm, MSc, PhD

80 Galal El Desoky St.  
Bab Sharq, Alexandria,  
Egypt

Telephone: +2 01008116584 (Mobile)  
Email: [zeinab\\_minia\\_eg@yahoo.com](mailto:zeinab_minia_eg@yahoo.com)  
[zeinab.mohamed@minia.edu.eg](mailto:zeinab.mohamed@minia.edu.eg)

---

**EDUCATIONAL QUALIFICATIONS** [Tertiary only]

|             |  |
|-------------|--|
| 2013 – 2017 | Doctor of Philosophy in Pharmacy (Pharmaceutics),<br>Kingston University London – Minia University |
| 2004 - 2008 | Master of Pharmaceutical Sciences (Pharmaceutics)<br>Minia University, Minia, Egypt                |
| 1998 - 2002 | Bachelor of Pharmaceutical Sciences,<br>Minia University, Minia, Egypt                             |

---

**RESEARCH / TEACHING EXPERIENCE**

|                       |  |
|-----------------------|--|
| July 2022 – Until now | Associate Professor in Pharmaceutics, Faculty of Pharmacy, Minia University<br>Minia, Egypt<br>(Key responsibilities include teaching in different areas of pharmaceutics and Clinical Pharmaceutics across BPharm course, Clinical Pharmacy Course, post-graduate diploma, Masters and PhD students, carrying out administrative roles as appropriate and contributing to Pharmacy Curriculum Development and Departmental Research Plan, supervising Masters and PhD students)   |
| May 2017- June 2022   | Lecturer, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Minia University, Minia, Egypt<br>(Key responsibilities included teaching of pharmaceutics curriculum for undergraduate and postgraduate BPharm. students; Clinical Pharmacy Courses include hospital pharmacy, community pharmacy practice and clinical pharmacy 1 beside Pharm D courses taught included Pharmacy orientation, ophthalmic and parenteral pharmaceutical formulations; delivery/ transdermal drug delivery/chemical kinetics of drugs/ pharmaceutical dosage forms I and II and Physical pharmacy course) |
| 2008 – April 2017     | Assistant Lecturer, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Minia University, Minia, Egypt<br>(Teaching lab. tutoring of pharmaceutical compounding for P02 and pharmaceutical science experimental courses P04)   |
| Oct 2002 – Oct 2008   | Demonstrator, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Minia University, Minia, Egypt<br>(Teaching lab. tutoring of pharmaceutical compounding for P02 and pharmaceutical science experimental courses P04)   |

## SIGNIFICANT DISTINCTIONS / AWARDS/ACHIEVEMENTS

- 2016                      PhD Completion at Kingston University London, UK
- 2015                      Secured 1<sup>st</sup> prize for the research poster at 3<sup>rd</sup> International Hub for the Study of Health and Age-related Conditions (IhSHA) conference, Faculty of Science, Engineering and Computing, Kingston University, London, UK.
- 2011                      PhD Scholarship, Mission department, Ministry of Higher Education, Egypt
- 

## RESEARCH INTEREST

- Ocular drug delivery / Regulatory ocular toxicology
  - Chitosan nanoparticles
  - In situ gelling polymers
  - Controlled/modified release systems
  - Advanced drug delivery system
  - Oral drug delivery
  - Topical drug delivery
- 

## PROFESSIONAL SOCIETIES / SERVICE / OTHER ACTIVITIES:

Professional Society:

Egyptian Pharmacy Syndicate (Registered Pharmacist)

Academic Service:

|         |   |
|---------|---|
| Referee | AAPS Pharm SciTech                        |
| Referee | Journal of Pharmaceutical Sciences        |
| Referee | Journal of Liposome Research              |
| Referee | Drug Development and Industrial Pharmacy  |
| Referee | Pharmaceutical Development and Technology |

---

## PUBLICATIONS

### RESEARCH ARTICLES

1. Sara Mahmoud Farhan, Rehab Mahmoud Abd El-Baky, Hala Rady Ahmed, **Zeinab Fathalla**, Ali Alamri, Hamdy Abdelkader and Adel Al Fatease. Comparative Investigation into the Roles of Imipenem:Cyclodextrin Complexation and Antibiotic Combination in Combatting Antimicrobial Resistance in Gram-Negative Bacteria, *Pharmaceuticals* 2023, 16(10), 1508.
-

2. Heba A. Abou-Taleb, **Zeinab Fathalla**, Demiana M. Naguib , Adel Al Fatease, and Hamdy Abdelkader. Chitosan/Solid-Lipid Nanoparticles Hybrid Gels for Vaginal Delivery of Estradiol for Management of Vaginal Menopausal Symptoms, *Pharmaceuticals* 2023, 16, 1284, pages (1-14).
3. **Zeinab Fathalla**, Adel Al Fatease and Hamdy Abdelkader, Preformulation-assisted design of ketorolac tromethamine for effective ophthalmic delivery, *Journal of Ocular Pharmacology and Therapeutics*, 2023
4. **Zeinab Fathalla**, Adel Al Fatease and Hamdy Abdelkader, Formulation and In-Vitro/Ex-Vivo Characterization of Pregelated Hybrid Alginate–Chitosan Microparticles for Ocular Delivery of Ketorolac Tromethamine. *Polymers* 2023, 15, 2773.
5. Mahmoud M.A. Elsayed , Eman Alaaeldin , **Zeinab Fathalla**, Esraa Fawzy, Chitosan-Coated Alginate Microbeads Improve the Anti-inflammatory Potential of Etodolac: Optimization Using Box-Behnken Design, In-vitro Drug Release and In vivo Study, *J. Adv. Biomed. & Pharm. Sci.* 6 (2023) 133 – 144.
6. Hamdy Abdelkader , Adel Al Fatease **Zeinab Fathalla**, Mai E. Shoman , Heba A. Abou-Taleb and Mohammed A. S. Abourehab. Design, Preparation and Evaluation of Supramolecular Complexes with Curcumin for Enhanced Cytotoxicity in Breast Cancer Cell Lines, *Pharmaceuticals*, volume 14 (2283), pages 1-12, 2022.
7. Shrouk Magdy , Eman Alaaeldin,, **Zeinab Fathalla**, Rania Alaaeldin, Mahmoud Elrehany, Entesar Ali Saber, Rasha TA Abdel-Aziz, and Heba F. Mansour, Metformin-loaded ethosomes with promoted anti-proliferative activity in melanoma cell line B16, and wound healing aptitude: Development, characterization and in vivo evaluation, *International Journal of Pharmaceutics* , 621(2022) 121781.
8. Shrouk Magdy, **Zeinab Fathalla**, Eman Abdelaziz, Rasha Abdel-Aziz, and Heba Mansour, Enhancement of anti-proliferative potential of metformin against melanoma cells using an optimized liposomal drug delivery system, *Journal of Pharmacy and Pharmacology*, Volume 74, Issue 7, July 2022, Pages 1027–1039.
9. **Zeinab Fathalla**, Wesam W. Mustafa, Hamdy Abdelkader, Hossam Moharram, Ahmed Mohamed Sabry & Raid G. Alany. Hybrid thermosensitive-mucoadhesive in situ forming gels for enhanced corneal wound healing effect of L-carnosine, *Drug Delivery* (2022) vol 29 (1) : 374 - 385
10. Soad A. Mohamed , Mohamed A. Abdelgawad , Rania Alaaeldin , **Zeinab Fathalla** , Hossam Moharram , Raafat M. A. Abdallah , Islam M. Abdel-Rahman , Mohamed Abdel-Aziz , Gamal

- El-Din A. Abuo-Rahma , Mohammed M. Ghoneim , Alaa M. Hayallah , Mahmoud Elrehany and Hamdy Abdelkader. Solulan C24- and Bile Salts-Modified Niosomes for New Ciprofloxacin Mannich Base for Combatting Pseudomonas-Infected Corneal Ulcer in Rabbits, *Pharmaceuticals*, (2022), Vol 15 (1), 44: 1-16.
11. Milad Reda Qelliny; **Zeinab M. A. Fathalla**; Amal K. Hussein; Khaled Aly Khaled. Immune Responses to PEGylated lipoplexes, a review. *Journal of biomedical and advanced pharmaceutical sciences (JABPS)*, Volume 5, Issue 1, Winter 2022, Page 45-5
  12. Hamdy Abdelkader , **Zeinab Fathalla** , Ali Seyfoddin , Mojtaba Farahani d , Thilini Thrimawithana , Ayman Allahham , Adam W.G. Alani , Ali A. Al-Kinani , Raid G. Alany. Polymeric long-acting drug delivery systems (LADDs) for treatment of chronic diseases: Inserts, patches, wafers, and implants, *Advanced drug delivery reviews* ,(2021), 177 :1-21, 113957
  13. Milad Reda Qelliny,Taro Shimizu, Nehal E. Elsadek, Sherif E. Emam, Haruka Takata, **Zeinab M. A. Fathalla**, Amal K. Hussein, Khaled A. Khaled, Hidenori Ando, Yu Ishima, and Tatsuhiko Ishida. Incorporating Gangliosides into PEGylated Cationic Liposomes that Complexed DNA Attenuates Anti-PEG Antibody Production but Not Anti-DNA Antibody Production in Mice, *Molecular Pharmaceutics* (2021), 18(6), 2406–2415.
  14. Shrouk Magdya , **Zeinab Fathalla** , Eman Alaaeldin , Heba F. Mansour. Formulation and In-vitro Characterization of Metformin hydrochloride-loaded Liposomes, (2021), *International Journal of Sciences: Basic and Applied Research (IJSBAR)* (2021) Volume 56, No 1, pp 150-164.
  15. Heba A. Abou -Taleb, **Fathalla, Z** & Abdelkader, H (2020). Comparative studies of the effects of novel excipients amino acids with cyclodextrins on enhancement of dissolution and oral bioavailability of the non-ionizable drug carbamazepine. *European Journal of Pharmaceutical Sciences*, 155 : 1-10, 105562
  16. Abdelkader, H & **Fathalla, Z** (2018). Investigation into the emerging role of the basic amino acid L-lysine in enhancing solubility and permeability of BCS Class II and BCS Class IV drugs. *Pharmaceutical Research*, 35, 1-18
  17. Abdelkader, H, **Fathalla, Z**, Moharram, H, Taha F. S. Ali & Pierscioneck, B (2018). Cyclodextrin enhances corneal tolerability and reduces ocular toxicity caused by diclofenac. *Oxidative Medicine and Cellular Longevity*, 2018, 1-13.

18. **Zeinab M. A. Fathalla**, Anil Vangala, Michael Longman, Khaled A. Khaled, Amal K. Hussein, Omar H. El-Garhy , Raid G. Alany, (2017), Poloxamer-based thermoresponsive ketorolac tromethamine in situ gel preparations: Design, characterisation, toxicity and transcorneal permeation studies, *European Journal of Pharmaceutics and Biopharmaceutics*, 114, 119 - 134.
19. **Zeinab M. A. Fathalla**, Khaled A. Khaled, Amal K. Hussein, Raid G. Alany & Anil Vangala, (2015), Formulation and corneal permeation of ketorolac tromethamine-loaded chitosan nanoparticles, *Drug Development and Industrial Pharmacy*, 42 (4), 514-524.

## PEER REVIEWED CONFERENCE PROCEEDINGS

1. Zeinab M. A. Fathalla, Raid G. Alany & Anil Vangala (2015), Formulation and corneal permeation of ketorolac tromethamine loaded chitosan nanoparticles, 3rd International Hub for the Study of Health and Age-related Conditions (IhSHA) conference, Faculty of Science, Engineering and Computing, Kingston University, London, UK (**secured 1st prize for the research poster**).

---

## TRAINING COURSES

1. Statistical Analysis Using SPSS Training Course from Information Technology Center (ITC), Minia University, dated 24-3-2021
2. Dealing with Students with Special Needs Training Course (A2) from Faculty and Leadership Development Center (FLDC), Minia University, dated 10-3-2021
3. Preparing the Test Item for the Medical Sector Training Course from Measurement & Assessment Center (MAC) , Ministry of Higher Education, Egypt dated 29 May 2021
4. Time and Meeting Management Course (L4) from Faculty and Leadership Development Center (FLDC), Minia University, dated 21-1-2020
5. Anti-Corruption Training Course (A1) from Faculty and Leadership Development Center (FLDC), Minia University, dated 17-12-2019
6. Financial and Legal Aspects Training Course from Faculty and Leadership Development Center (FLDC), Minia University, dated 21-10 -2019
7. Creating Electronic Personal Websites Training Course from Information Technology Center (ITC), Minia University, dated 19- 4 -2018
8. Quality Assurance Training Course from Faculty and Leadership Development Center (FLDC), Minia University, dated Dec. 2016
9. Endnote References Program Training Course from Information Technology Center (ITC), Minia University, dated September 2016

## REFEREES

### **Prof. Raid Alany**

Faculty of Science, Engineering and Computing, Kingston University London, the UK

Email: [R.Alalny@kingston.ac.uk](mailto:R.Alalny@kingston.ac.uk)

### **Dr. Anil Vangala**

Faculty of Science, Engineering and Computing, Kingston University London, the UK

Email: [A.Vangalal@kingston.ac.uk](mailto:A.Vangalal@kingston.ac.uk)

---