

# **Curriculum Vitae**

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**Wael M.Samy Abo Elfotoh,  
Ph.D., M.Sc.**

**Professor and Chairman of the Department  
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**Department of Industrial Pharmacy, Faculty of  
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## **Wael Mahmoud Samy Abo-Elfotoh**



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### **Scopus Author ID and h-index:**

**Samy, Wael M.**

Alexandria University, Department of Industrial Pharmacy, Alexandria, Egypt

- **Author ID:** 26634169700  
(<https://www.scopus.com/authid/detail.uri?authorId=26634169700> )
- <http://orcid.org/0000-0001-6082-8705>
- **Documents:** 26
- **Citations:** 1605 total citations by 1304 documents
- **h-index:** 12
- **Co-authors:** [17](#)
- **Subject area:** Pharmaceutical technology and Pharmaceutics, Dosage Form Design , Biochemistry, Nano-Medicine, Materials Science , Dentistry.

### **Qualifications:**

- Training course in “**Executive Leadership Development**”, FLDC (September 2017).
- Training course in “**University Laws and regulations**”, FLDC (September 2017).
- Training course in “**Strategic Thinking and Leadership**”, FLDC (August 2017).
- Training course in “**E-exams**”, FLDC (August 2017)
- Training course in “**Legal and University Financial Regulations**”, FLDC (March 2017).
- Training course in “**Crisis management**”, FLDC (March 2017).

- Training course in *The Credit hour system*, FLDC (July 2013).
- Training course in *International Publishing of Research*, FLDC (July 2013).
- Training course in *Students Evaluation and Examination Techniques*, FLDC (June 2013).
- Training course in *Competitive Research Projects* , FLDC (June 2013).
- Training course in *Strategic Planning*, FLDC (June 2013).
- Training course in *Quality Standards in Teaching*, FLDC (June 2013).
- Ph.D. in *Pharmaceutical Science, Industrial Pharmacy*, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (2007).
- Training course in *Effective presentation skills*, FLDC (October 2006).
- Training course in *Communication skills*,FLDC (May 2006).
- Training course in *Teaching with technology*,FLDC (April 2006).
- Training course in *Effective teaching*, FLDC (December 2004).
- Master Degree *Pharmaceutical Science, Industrial Pharmacy*, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (2001).
- Postgraduate course in “*English for Academic Purposes*”, CSP center of Alexandria University (May-July 1996).
- Bachelor *Pharmaceutical Science*, (Excellent Distinct honour) Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (1993).

## **Theses:**

### **Master degree:**

**“A Study On Some Transdermal Drug Delivery Systems”**

### **Ph.D.**

**“Some Recent Approaches to Transdermal Drug Delivery Systems (TDDS) And Their Evaluation”**

## **Career:**

- Member in the “Board of Science Park”, Faculty of Pharmacy, Alexandria University (November 2019- )
- Member in the “Executive Board of the New and Specialized Programs in the Faculty of Pharmacy, Alexandria University” (July 2019 - ).
- Chairman of the “Teaching and Learning Committee) of the Faculty of Pharmacy QA unit (August 2019- )
- Member in the “Strategic Planning Committee”, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (January 2019- till now).
- Chairman of the Organizing Committee of the Faculty of Pharmacy International Conference (PHS 2019), (November 2018-Novemehr 2019).
- Chairman of the Department of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (Nov. 2018- ).
- Acting Chairman of the Department of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (Aug. 2014- Nov. 2018).
- Professor of Industrial Pharmacy, Alexandria University, Alexandria, Egypt (Aug. 2018- ).
- Member in the “Faculty of Pharmacy Curricular Enhancement Committee” (October 2017- December 2018).
- Member in the “Faculty of Pharmacy Research Ethics Committee” (January 2017- ).

- Member in the “Board of Pharmaceutical Services Unit”, Faculty of Pharmacy, Alexandria University (October 2016- November 2018)
- Coordinator of the “Hierarchy Sub-Committee” of the “Self Assessment Committee”, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (Nov. 2014- June 2016).
- Member in the “Board of Quality Assurance Unit”, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (Nov. 2014- June 2016).
- Coordinator of the “Academic Advising Committee” for the Clinical Pharmacy Program, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (Nov. 2014- ).
- Member of the “Council of the Faculty of Pharmacy”, Alexandria University, Alexandria, Egypt (Aug. 2014- ).
- Assistant Prof. Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (Aug. 2014 – Aug.2018).
- Associate Prof. Pharmaceutics and Pharmaceutical Technology, Faculty of Pharmacy, BAU, Beirut, Lebanon (Aug. 2013- Aug. 2014).
- Member of the faculty team of Curricular Enhancement, Faculty of Pharmacy, BAU, Beirut, Lebanon (2013-2014).
- Member of the “Faculty Strategic Committee of the Faculty of Pharmacy”, BAU, Beirut, Lebanon (2013-2014).
- Assistant Prof. Pharmaceutics and Pharmaceutical Technology, Faculty of Pharmacy, BAU, Beirut, Lebanon (Sept. 2011- Aug. 2013).
- Visiting Lecturer Pharmaceutical Unit Operation, Faculty of Pharmacy and & Drug Manufacturing, Pharos University of Alexandria, Egypt (March 2011-June 2011).
- Member in the “Animal Care and Use Committee of the Faculty Of Pharmacy”, Alexandria University, Alexandria, Egypt (November 2010 – Sept. 2011).

- Member in the “Library Committee of the Faculty of Pharmacy”, Alexandria University, Alexandria, Egypt (November 2010 - Sept. 2011).
- Visiting Supervisor of practical Pharmaceutical Technology, Faculty of Pharmacy and & Drug Manufacturing, Pharos University of Alexandria (March 2010-june 2010).
- Accreditation coordinator of the Industrial pharmacy department, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (July 2009 - Sept. 2011).
- Lecturer Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (July 2009 - Sept. 2011).
- Supervisor of practical industrial pharmacy course (fourth year), Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (July 2009 - Sept. 2011).
- Course coordinator pharmaceutical technology and Industrial Pharmacy, Faculty of Pharmacy, Beirut Arab University, Beirut, Lebanon (August 2008-July 2009).
- Lecturer of pharmaceuticals and pharmaceutical technology Beirut Arab University, Beirut, Lebanon (August 2008-July 2009).
- Supervisor of the “Pharmaceutical Technology Unit”, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (2007-2008).
- Visiting Lecturer of Pharmaceutical Technology, Industrial Pharmacy and Pharmaceutics, Faculty of Pharmacy, Beirut Arab University, Beirut, Lebanon (Jan- Feb. 2008).
- Co-supervisor of Industrial Pharmacy Practical Courses (Fourth year) Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (2007).
- Lecturer Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (2007-2008).
- Assistant Lecturer of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (2001-2007)

- Demonstrator of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (1995-2001).
- Pharmacist in the Egyptian Armed Forces at Ameriya Military Hospital (1993-1995).
- Bachelor degree student, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt (1988-1993)

### **Memberships:**

- The Egyptian Pharmaceutical Syndicate.
- Ibn Al-Haitham Center for Advancement of Science & Technology, Amman, Jordan.
- Lagoon resort and Spa, Alexandria, Egypt.
- Wadi Degla Sports Club, Alexandria, Egypt.

### **Awards:**

- “ACDIMA award for the best pharmaceutical research 2009”, ACDIMA, Amman, Jordan.
- “Alexandria University Award for Scientific Encouragement 2018”.

### **Conferences:**

- **“Third Forum on Advanced Pharmacy Education in The Middle East and Gulf Region”**, Beirut Arab University (BAU), Beirut, Lebanon, 8-9 May 2018.
- **Dubai International Pharmaceuticals and Technologies Conference & Exhibition (DUPHAT 2018)**, Dubai. UAE, 27<sup>th</sup> February – 1<sup>st</sup> March 2018.

- **20<sup>th</sup> LAAS** (Lebanese Association for the Advancement of Science) **International Science Conference**, Beirut, Lebanon, 27-29 March 2014.
- 3<sup>rd</sup> Tissue Engineering & Regenerative Medicine (TERMIS), 5-8 September 2012, Vienna, Austria.
- F I P, 71<sup>st</sup> International Congress of Pharmaceutical Sciences, 3-8 Sep.2011, Hyderabad, India.
- F I P, 68<sup>th</sup> International Congress of Pharmaceutical Sciences, 29 August- 4 Sep.2008, Basel, Switzerland.
- US-Egypt Workshop on “Tissue Engineering Research, Application and Technology Development”, National Research Center, Cairo, Egypt, Jan 29- Feb 4, 2006.
- Assiut University 4<sup>th</sup> Pharmaceutical Science Conference, Assiut, Egypt, March 2004.
- Fifth Scientific Conference, Quality control of Drugs, Vaccines and Natural Products, Cairo, Egypt, April 2000.

### **Publications:**

1. Selenium: A sole treatment for erosive oral lichen planus; (Randomized controlled clinical trial)., Oral Diseases., DOI: 10.1111/odi.13285(2020).
2.  $\alpha$ -Bisabolol-Loaded Cross-Linked Zein Nanofibrous 3D-Scaffolds For Accelerating Wound Healing And Tissue Regeneration In Rats; **International Journal of Nanomedicine.**, 14, 8252-8270 (2019).
3. The anti-inflammatory effect of locally delivered nano-doxycycline gel in therapy of chronic periodontitis. **Acta Odont. Scand.**, 76, 71-76 (2018).
4. Phytochemical and biological evaluation of ultrasound-assisted spray dried *Lonicera etrusca* for potential management of diabetes. **Records of Nat. Products.**, Volume 12, 367-379, (2018)
5. Design and preparation of controlled release floating gastroretentive delivery systems for enhanced fexofenadine



- hydrochloride oral bioavailability. *Tropical J. of Pharm. Res.*, 17, (4), 569-576 (2018).
6. A Multi-layered Particulate System for Desvenlafaxine Succinate Oral Customized Release. *Current Drug Delivery*, 14, (3), 416-425 (2017).
  7. Hybrid polymeric matrices for oral modified release Desvenlafaxine succinate tablets. *Saudi Pharm. J.* 25, (5): 676–687(2017).
  8. Alternative approaches in formulating floating hollow tablets via sublimation technique; a platform tailored drug release profile. *Pharmazie*. 71, 701-708, (2016).
  9. Enhanced periodontal regeneration by novel single application sustained release nano-structured doxycycline films. *Current Drug Delivery*, 13, (6), 899-908, (2016).
  10. Intrinsicly Floating Gastroretentive Tablets Of Salbutamol Sulphate Using Different Sublimable/Release Retarding Materials: A Comparative Study. *Int. J. Pharm. Tech.*, 7, 8094-8109, (2015).
  11. Swellable floating tablet based on spray-dried casein nanoparticles: Near-infrared spectral characterization and floating matrix evaluation. *Int. J. Pharm.* 491, 113-122, (2015).
  12. Novel micro-structured sildenafil dosage forms as wound healing promoters. *Expert Opinion on Drug Delivery*, 11, 1525-36, (2014).
  13. Amelioration of Diabetes and Painful Diabetic Neuropathy by *Punicagranatum* L. Extract and its Spray Dried Bio-polymeric Dispersions. *Evidence-Based Complementary and Alternative Medicine* (<http://dx.doi.org/10.1155/2014/180495>), 2014.
  14. Formulation and In-Vitro Release Kinetics of Gastroretentive Floating Tablets of Fexofenadine Hydrochloride. **20<sup>th</sup> LAAS** (Lebanese Association for the Advancement of Science) *International Science Conference*, Beirut, Lebanon, 27-29 March 2014.
  15. Casein-based micelles: a novel vector for delivery of the poorly soluble anticancer drug, flutamide? *Ther. Deliv.*, 5, 7-9, (2014).

16. Ionically-crosslinked milk protein nanoparticles as flutamide carriers for effective anticancer activity in prostate cancer-bearing rats. *Eur. J. Pharm. Biopharm.*, 85, 444-451, (2013).
17. Micellar delivery of flutamide via milk protein nanovehicles enhances its anti-tumor efficacy in androgen-dependant prostate cancer rat model” *Pharm. Res.*, 30, 2654-2663, (2013).
18. Novel ionically crosslinked casein nanoparticles for flutamide delivery: formulation, characterization, and in vivo pharmacokinetics. *Int. J. Nanomed.*, 8, 1721–1732, (2013).
19. Spray-dried casein-based micelles as a vehicle for solubilization and controlled delivery of flutamide: Formulation, characterization, and in vivo pharmacokinetics. *Eur. J. Pharm. Biopharm.*, 84, , 487-496, (2013).
20. Novel Spray-Dried Genipin-Crosslinked Casein Nanoparticles for Prolonged Release of Alfuzosin Hydrochloride. *Pharm. Res.* 30, 512-522, (2013).
21. Ionically crosslinked casein nanoparticles as a novel controlled delivery vehicle for flutamide. *3<sup>rd</sup> Tissue Engineering & Regenerative Medicine (TERMIS)*, 5-8 September 2012, Vienna, Austria.
22. Protein-based nanocarriers as promising drug and gene delivery systems, *J. Control. Release*, 161, 38-49, (2012).
23. Class II drugs; a dissolution / bioavailability challenge: Flutamide-loaded spray dried lactose for dissolution control, *Int. J. Drug Dev. & Res.*, 4, 195-206, (2012).
24. Optimization and evaluation of micromeritic and release properties of high dose Flutamide liquisolid systems. *Letters in Drug Design & Discovery*, 9, 336-344, (2012).
25. Biopolymeric nifedipine powder for acceleration of wound healing, *Int. J. Pharm.*, 422, pp. 323–331 (2012).
26. Albumin-based nanoparticles as potential controlled release drug delivery systems, *J. Control. Release*, 157, pp. 168-182 (2012).
27. Casein-based formulations as promising controlled release drug delivery systems, *J. Control. Release*, 153, pp. 206-216 (2011).

28. Optimization and evaluation of micromeritic and release properties of high dose flutamide liquisolid systems. *F I P, 71<sup>st</sup> International Congress of Pharmaceutical Sciences*, Sep.2011, Hyderabad, India.
29. Evaluation of the mechanical properties and drug release of cross-linked Eudragit films containing Metronidazole, *Int. J. Pharm.* 376, pp.1–6, (2009).
30. Sonophoretically enhanced transdermal delivery of testosterone: an ex-vivo study. *F I P, 68<sup>th</sup> International Congress of Pharmaceutical Sciences*, Sep.2008, Basel, Switzerland.
31. Hypogonadism Solution Through Transdermal Androgen Replacement: Drug-In-Polymer Transdermal Delivery Systems. *Drug Delivery Tech.* Vol. 7, pp. 55-61, (July 2007).
32. Egyptian Patent 2007020052 (2007).
33. Nifedipine transdermal films, a step in developing controlled release patches, *Assiut University 4<sup>th</sup> Pharmaceutical Science Conference*, Assiut, Egypt, March 2004.
34. A comparative in-vitro study of Nifedipine release from matrix-based transdermal formulations, *Fifth Scientific Conference, Quality control of Drugs, Vaccines and Natural Products*, Cairo, Egypt, April 2000.
35. Effect of different permeation enhancers on Nifedipine release from gel formulations using artificial and biological membranes, *ibid.*

#### **Peer Reviewing:**

1. International Journal of Pharmaceutics (Elsevier).
2. International Journal of Nanomedicine (Dovepress).
3. Expert opinion on Drug Delivery (Informa Healthcare).
4. Current Drug Delivery (Bentham Science)
5. Therapeutic Delivery (....

#### **Post graduate Theses Supervision:**

### **A. Master theses:**

1. **“Design and evaluation of controlled release of some selected drugs using pelletization techniques.”**

By Bassam Abd Elhafiz Hneiny (Faculty of Pharmacy, BAU, Beirut, Lebanon).

2. **“Formulation and evaluation of intrapocket delivery systems for the treatment of periodontitis.”**

By Darine Monir Hamdan (Faculty of Pharmacy, BAU, Beirut, Lebanon)

3. **“Optimization of drug release from some controlled release delivery systems”**

By Mohammad Noby (Faculty of Pharmacy, Alexandria University, Alexandria, Egypt).

4. **“Polymeric drug delivery systems for colon targeting of some drugs with potential anti-cancer activity”**

By Dalia Ali Ramadan (Faculty of Pharmacy, Alexandria University, Alexandria, Egypt).

5. **Evaluation of the Effect of Selenium in the Management of Oral Erosive Lichen Planus Based on Salivary Oxidative Stress Markers”**

By Passant Osama Qataya (Faculty of Dentistry, Alexandria University, Alexandria, Egypt).

### **B.Ph. D. Theses:**

6. **Design and evaluation of some site specific drug delivery systems within the gastrointestinal tract”**

By May Muheiddine Saab Faculty of Pharmacy, (BAU, Beirut, Lebanon).

7. **“Development and evaluation of protein nanocarriers as promising drug delivery systems”**

By Ahmed O. Elzoghby (Faculty of Pharmacy, Alexandria University, Alexandria, Egypt).

8. **“Tailored nano-carriers for improved management of some chronic disorders”**

By Hala Mohamad Shafik (Faculty of Pharmacy, Alexandria University, Alexandria, Egypt).

9. **“Formulation and Evaluation of Nano-structured Polymeric Systems for Improvement of Therapeutic Efficacy of Some Selected Drugs”**

By Sarah A. El-lakany (Faculty of Pharmacy, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt).

10. **“Application of Nanotechnology for improving the bioavailability of some drugs with bioavailability problems”**

By Salma Mohamad MohyEldin (Faculty of Pharmacy, Alexandria University, Alexandria, Egypt).

**C. Pharm.D. Theses:**

11. **“Retrospective Assessment of the Interactions of Lipid-Lowering Drugs at a University Hospital in Beirut”** By RanaMosbah Al Nahass(Faculty of Pharmacy, BAU, Beirut, Lebanon).

12. **Evaluation of Pharmacy Practice of Community Pharmacists in Lebanon”** By Rayan Husein Hassoun (Faculty of Pharmacy, BAU, Beirut, Lebanon)