

**Amal Saber Mohammed Abu El-Enin**

**Curriculum Vitae @ 2022**

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## Curriculum Vitae



**Amal Saber Mohammed Abu El-Enin** (PhD)

**Professor in Pharmaceutics and Pharmaceutical Technology Department,  
Faculty of pharmacy(girls)/Al Azhar University & Ahrm Canadian  
University**

**Education**      **Doctor of Philosophy degree (Ph.D.) in Pharmaceutical sciences (Pharmaceutics and industrial pharmacy)**

Al-Azhar University for Girls  
Cairo, Egypt  
2001-2005

**Master degree (M.SC.) in Pharmaceutical sciences (Pharmaceutics and industrial pharmacy)**

Al-Azhar University for Girls  
Cairo, Egypt  
1995-2001

**Bachelor (B.SC.) in pharmaceutical science of Pharmacy**

Cairo University with a general estimation excellent with honor degree.

Cairo, Egypt  
1988-1993

**Thanaweya Amma, Science Major**

Giza, Egypt  
1986-1988

**Experience**      From 1993 uptill now

**Professional Career Experience**      **July 2019 – Present**  
**Professor in Pharmaceutics Department, Faculty of pharmacy, Ahrm Canadian University.**

Main Responsibilities include:

1. Teaching the following courses:
  - Orientation to Pharmacy
  - Pharmaceutics III
  - Pharmaceutics IV
  - Pharmacy Ethics and Legislations
  - Drug design of pharmaceutical formulations
  - Novel Drug Delivery Systems
2. Supervision of practical courses.

**September 2018 – July 2019****Associate Professor in Pharmaceutics Department, Faculty of pharmacy, Ahram Canadian University.**

Main Responsibilities include:

1. Teaching the following courses:
  - Pharmaceutics III
  - Biopharmaceutics & Pharmacokinetics
2. Supervision of practical courses.

**Professional Career Experience (Cont.)****May 2014 – August 2018****Associate Professor in Pharmaceutics and industrial pharmacy Department, Faculty of pharmacy (girls), Al-Azhar University.**

Main Responsibilities include:

1. Teaching the following undergraduate courses:
  - Physical pharmacy.
  - Capsules.
  - Suppositories.
  - Pharmaceutics 1
  - Pharmaceutics 2
  - Pharmaceutics 3
2. Teaching the following postgraduate courses:
  - Advanced physical pharmacy
  - Quality control-Special course
3. Supervision of practical courses.

**September 2010 – May 2014****Lecturer in Pharmaceutics and industrial pharmacy Department, Faculty of pharmacy (girls), Al-Azhar University.**

Main Responsibilities include:

1. Teaching the following courses:
  - Emulsion & Micro-emulsion.
  - Surface active agents.
  - Incompatibilities
  - Cosmetics.
  - Polymers.
2. Supervision of practical courses.

**September 2007 – September 2010****Lecturer in pharmaceutics Department, Faculty of pharmacy, October University For Modern Sciences & Arts (MSA)**

1. Teaching and assisting in the delivery of academic education courses for undergraduates, the courses include:

- Course Titles PT 301 ( Pharmaceutical dosage forms III).
- Course Titles PT 202 ( Pharmaceutical dosage forms II).
- Course Titles PT 101 ( Introduction to pharmaceutics).

2. Supervision of graduation projects for 5<sup>th</sup> year students.
3. Supervision of practical courses.

**Professional Career Experience (Cont.)** **December 2005 – September 2007**  
**Lecturer in Pharmaceutics and industrial pharmacy Department, Faculty of pharmacy (girls), Al-Azhar University.**

Main Responsibilities include:

1. Teaching the following courses:
  - Industrial pharmacy.
  - Biopharmaceutics & pharmacokinetics.
  - OTC products.
  - Solutions.
  - Powdered and granulated products as dosage forms.
  - Solid dispersion.
2. Supervision of practical courses.

**December 2001 – December 2005**  
**Al-Azhar University, Faculty of Farmacy, Pharmaceutics Department**  
**Assistant lecturer of pharmaceutics**

Main Responsibilities include:

- Supervision and teaching of practical courses.
- Participation in the practical exams.
- Preparing to get the Ph.D degree.

**October 1994 – December 2001**  
**Al-Azhar University, Faculty of Farmacy, Pharmaceutics Department**  
**Teaching assistant of pharmaceutics**

Main Responsibilities include:

- Preparation of lab experimental work.
- Participation in the practical exams.
- Attending the precourses for the master degree.
- Preparing to get the master degree.

**December 1993-October 1994**  
**National Organization for Drug Control and Research (NODCAR).**

Main Responsibilities include:

- Responsible for analysis of different pharmaceutical products (tablets, capsules, syrups and ointements) in antibiotics department.
- Professional in using several instruments like spectrophotometer and others.

***Other  
Activities***

**Supervision on master thesis of 'Shimaa Hassan Abdelaziz'** Registered in April 2022 **"Formulation and Evaluation of Novel Drug Delivery system for Treatment of Pulmonary Diseases"**.

**Supervision on master thesis of 'Shymaa Elhady'** Registered in October 2020 **"A pharmaceutical study on an anticoagulant BCS class II drug"**.

**Supervision on PhD thesis of 'Kamilia hussien abdelhady'** Registered in October 2016 **"Formulation, Optimization and Evaluation of Nanoparticle Formulations Containing a Certain Drug"**.

**Supervision on PhD thesis of 'Yasmin Ismail Mohamed'** Registered in October 2015 **"Application of proniosomes technique as drug delivery system for an antiviral drug"**.

**Supervision on master thesis of 'Amira Fathy Ghamry'** Registered in October 2015 **"Development and evaluation of a Chrono therapeutic drug delivery system of an antihypertensive drug"**.

**Supervision on master thesis of 'Zeinab Mohamed'** Registered in October 2014 **"Development and Investigation of Niosomal Formulations Containing Timlol Maleate For the treatment of Glaucoma"**.

**Supervision on master thesis of 'Marwa Ahmed Fouad'** Registered in October 2014 **"Formulation and Evaluation of Vaginal Muco-adhesive Dosage Forms Of a Certain Drug"**.

**Supervision on master thesis of 'Kamilia hussien abdelhady'** Registered in October 2013" **Formulation, Evaluation and Optimization of Raft Forming Formulations containing A certain Drug"**.

**Supervision on master thesis of 'Hala Salah Abd El Moneim'** Registered in October 2012 **"Preparation and Evaluation of Several Micro-emulsion Formulations of Some Drug(s) Intended for Intranasal Administration"**.

**Supervision on master thesis of 'Iman Rashad Ahmad'** Registered in October 2010 **"Design and Evaluation of some Topical Preparations of certain drug(s)"**.

**Director of Pharmaceutical Educational Factory,** Faculty of pharmacy, Ahram Canadian University.

**Postgraduate Program Coordinator**, Faculty of pharmacy, Ahran Canadian University.

**Head of control** of postgraduate students, Faculty of pharmacy, Ahran Canadian University.

**Head of control** of fifth year, Faculty of pharmacy, Ahran Canadian University.

**Member in control** of postgraduate students, Faculty of pharmacy (girls), Al Azhar University.

**Member in control** of second year, Faculty of pharmacy, Al - Azhar University (girls).

**Internal oral examiner** for undergraduate students in Faculty of pharmacy, Al- Azhar University (Girls).

**External oral examiner** for undergraduate students in Faculty of pharmacy, Al- Azhar university (Boys), Ain Shams University, Cairo University, '6 October University', 'MSA University', 'Ahran Canadian University', 'Egyptian Russian University', 'Future University', 'MTI University', 'Nahda University' and The British University in Egypt (BUE).

**Peer reviewer** in international scientific journals such as Drug Development and Industrial Pharmacy & Current Pharmaceutical Biotechnology.

**Conferences & Workshops** A workshop entitled "**Clinical Research and Pharmacovigilance as Examples of the Pharmacist Modern Careers**" at Pharmaceutical Educational Factory, Faculty of Pharmacy, Ahran Canadian University, December 5<sup>th</sup>, 2022.

7<sup>th</sup> International Conference of Faculty of Pharmacy (Boys), Al-Azhar University, Egypt, "**Modern Aspects in Pharmaceutical Sciences**", October 22<sup>nd</sup> – 23<sup>rd</sup>, 2022.

A workshop entitled "**Drug design**" at Al-Azhar Conference Center (ACC), Cairo, Egypt, October 23<sup>rd</sup>, 2022.

A workshop entitled "**Sustainable Development and Climate Change**" Online via the Teams app., by Faculty of Pharmacy, Ahran Canadian University, October 5<sup>th</sup> - 10<sup>th</sup>, 2022.

A workshop entitled "**PCR, Real-Time PCR & Digital PCR**" at Faculty of Pharmacy, Ahran Canadian University, September 27<sup>th</sup>, 2022.

A workshop entitled "**How to shape your future and own your career**" at Pharmaceutics & Pharmaceutical Technology Department, Faculty of Pharmacy, Ahram Canadian University in cooperation with the Qalyubia Pharmacists Syndicate, August 24<sup>th</sup> – 25<sup>th</sup> 2022.

A workshop entitled "**Transition from Pharmaceutical Technology Education to Manufacturing**" at Pharmaceutics & Pharmaceutical Technology Department, Faculty of Pharmacy, Ahram Canadian University, February 2022.

A workshop entitled "**How to write and present research projects**" Online via the Zoom app., at faculty of pharmacy, Ahram Canadian University, February 2021.

Workshop entitled "**Nuclear Pharmacy and Applications in Pharmaceutics**", at faculty of pharmacy, Ahram Canadian University, February 2020.

4<sup>th</sup> Annual Arab International Pharmacy Conference (AIPC 2020), "**Pharmacy vision 2030**", March 8<sup>th</sup> – 9<sup>th</sup>, 2020.  
**Controlled Release Society Annual Meeting & Exposition in Valencia, Spain**, July 21<sup>st</sup> -24<sup>th</sup>, 2019.

3<sup>rd</sup> Annual Arab International Pharmacy Conference (AIPC 2019), "**Pharmacy vision 2030**", March 30<sup>th</sup> – 31<sup>st</sup>, 2019.

The second ACU International Pharmaceutical Conference "**Challenges in Future Pharmaceutical Trends**", November 14<sup>th</sup>- 15<sup>th</sup>, 2018.

Workshop at the quality assurance unit of Faculty of Pharmacy, Ahram Canadian University under the title of "**strategic planning**", October 2018.

"**University & Drug Industry Forum**" Challenges & Collaboration Prospects, At Al-Azhar International Conference Center, September 25<sup>th</sup>, 2018.

9<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, under the title: "**Towards Globally Recognized Egyptian Pharmaceutical Ingredients: A National Priority**", April 25<sup>th</sup> – 26<sup>th</sup>, 2018.

**Arab International Pharmacy Conference** (AIPC), March 17<sup>th</sup> – 18<sup>th</sup>, 2018.

**The 1<sup>st</sup> Annual Arab International Pharmacy Conference** (AIPC), Egypt/Cairo/Intercontinental City stars March 30<sup>th</sup> to April 1<sup>st</sup>, 2017.

Workshop on **"Pharmacy Practice in Pharmacovigilance"** at Faculty of Pharmacy, Al-Azhar University (girls), on August 29<sup>th</sup> - 30<sup>th</sup>, 2016 (Attendance and member in The Scientific Committee).

**The First Scientific Day** for Faculty Of Pharmacy-Girls on April 18<sup>th</sup>, 2016.

7<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, under the title: **"Translational Research: From bench to market"**, April 16<sup>th</sup> – 17<sup>th</sup>, 2016.

6<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, under the title: **"2020 Vision for Pharmacy in Egypt"**, April 25<sup>th</sup> – 26<sup>th</sup>, 2015.

The first conference to ensure the quality of education at Al-Azhar Al-Sharif **(the reality, the challenges and the hopes)**, March 9<sup>th</sup>, 2015.

Workshop on **"Program and Course Specifications"** at Faculty of Pharmacy, Al-Azhar University (girls), on December 23<sup>rd</sup>, 2012.

5<sup>th</sup> International Conference of Pharmaceutical and Drug Industries Division, National Research Centre, Cairo, Egypt, March 2011.

***Attended  
Training  
Courses***

Training Program entitled **"University Leadership"** at Quality Assurance unit, Faculty of Pharmacy, Ahram Canadian University, November 8<sup>th</sup>, 2022.

The scientific webinar from the series Let's Talk Science entitled **"Marine Natural Products Drug leads for Development of Host directed therapies to manage 21<sup>st</sup> century Pandemics"** Online via the Teams app., by Scientific Committee Faculty of Pharmacy - Helwan University on Friday September 30<sup>th</sup>, 2022.

The scientific lecture entitled **"Drug Manufacturing Process: From the Start to The Market"** Online via the Teams app., by Faculty of Pharmacy – Alexandria University on Sunday September 25<sup>th</sup>, 2022.

Training Program entitled **"Description of bachelor's and postgraduate programs"** by Quality Assurance Center at Ahram Canadian University, June 2022.



The scientific webinar entitled "**Avoid predatory journals as threats to academic publishing**" Online via the Teams app., by College of Pharmaceutical Sciences and Drug Manufacturing, MUST On Wednesday August 11<sup>th</sup>, 2021.

Educational Activity entitled "**Ask the Pharmacist Meeting**" provided by The Arab Association of Pharmacy Progress NAPHS Consultancy, Egypt, June 2021.

Training program entitled "**Time Management**", Online via the Zoom app., by Quality Assurance Center at Ahram Canadian University, September 2020

Training course entitled "**Emotional Intelligence**" at Quality Assurance unit, faculty of pharmacy, Ahram Canadian University, March 2020

Training course at Al-Azhar Quality Assurance and Training Center, entitled "**Developing legal and administration skills**", on May 7<sup>th</sup>-8<sup>th</sup>, 2018.

Training course at Al-Azhar Quality Assurance and Training Center, entitled "**Current trends in higher education development**", on April 30<sup>th</sup>- May 1<sup>st</sup>, 2018.

Training course at Al-Azhar Quality Assurance and Training Center, entitled "**Crisis Management**", on April 28<sup>th</sup>-29<sup>th</sup>, 2018.

Training course entitled "**Applied course for Al-Azhar University: strategic planning for H.E. Institutes**", on March 16<sup>th</sup>-17<sup>th</sup>, 2016.

Training course at the center of Al-Azhar for Training and Development under the title of "**Time Management**", on March 11<sup>th</sup>- 12<sup>th</sup>, 2015.

Training course at the center of Al-Azhar for Training and Development under the title of "**Stimulation**", on June 26<sup>th</sup>, 2013.

Training course at the center of Al-Azhar for Training and Development, entitled "**Preparation and design programs of study**" on June 19<sup>th</sup>, 2013.

Training course at the center of Al-Azhar for Training and Development, entitled "**Effective communication skills**" on March 30<sup>th</sup>, 2013.

Training course at the center of Al-Azhar for Training and Development, entitled "**Change Management**" on March 20<sup>th</sup>,

2013.

Training course at the center of Al-Azhar for Training and Development under the title of "**strategic planning**", on February 3<sup>rd</sup>, 2013.

"Teaching Skills" at Al-Azhar University. (Egypt, 2005).

Special courses in Ph.D 2001-2002: Physical pharmacy and Biopharmaceutics.

Special courses in M.SC. 1995-1996: Drug design, Quality control studies of drugs and Industrial pharmacy.

General courses in M.SC (premaster courses) 1994-1995: Physical Chemistry, Organic Chemistry, Instrumental analysis, Mathematics, Computer, Statistics.

Institutional TOEFL program, USA from AMIDEAST, 1995.

"Teamwork Skills" at NODCAR. (Egypt, 1994).

***Publications*** **Optimized Nanoparticles for Enhanced Oral Bioavailability of a Poorly Soluble Drug: Solid Lipid Nanoparticles Versus Nanostructured Lipid Carriers**

Pharmaceutical Nanotechnology. Volume 10, Issue 1, March 2022, pp. 69-87.

**Formulation, development, in vivo pharmacokinetics, and pharmacological efficacy evaluation of novel vaginal bioadhesive sustained core-in-cup salbutamol sulphate tablets for preterm labor**

Journal of Drug Delivery Science and Technology Volume 60, December 2020.

**Formulation, development, and in-vitro/ex-vivo evaluation of vaginal bioadhesive salbutamol sulfate tablets for preterm labor**

Pharmaceutical Development and Technology. May 2020; 25:8, 989-998.

**Effect of Different Polymers on Release of Nanoparticle Loaded Capsules of an Anti-Hyperlipidemic Drug**

International Journal of Pharmacy & Pharmaceutical Research. December 2019; Vol. 17 (1): 113-129.

**Formulation, optimization, and evaluation of raft forming formulations containing Nizatidine**

Drug Development and Industrial Pharmacy. March 2019; Vol. 45, No. 4, 651–663.

**Proniosomal gel- mediated topical delivery of fluconazole: Development, in vitro characterization, and microbiological evaluation**

Journal of Advanced Pharmaceutical Technology & Research  
Volume 10 / Issue 1 / January- March 2019, 20-26.

**Development and investigation of timolol maleate niosomal formulations for the treatment of glaucoma**

Journal of Pharmaceutical Investigation published online: 30 January 2019.

**Fabrication of Bioadhesive Ocuserit with Different Polymers: Once a Day Dose**

International Journal of Applied Pharmaceutics, Vol 10, Issue 6, 2018, 309-317.

**Formulation and Optimization of Itraconazole Proniosomes Using Box Behnken Design**

Int J App Pharm, Vol 10, Issue 2, 2018, 41-51.

**Novel Proniosomes as Drug Delivery System for Transdermal Application of Itraconazole: Development, Characterization, Clinical and Bioavailability Study**

IOSR Journal of Pharmacy and Biological Sciences Volume 13, Issue 1 Ver. III (Jan. – Feb. 2018), PP 54-71.

**Formulation and Evaluation of Lornoxicam Topical Gel**

Am. J. PharmTech Res. 2016; 6 (5), 138-152.

**FORMULATION AND EVALUATION OF MICROEMULSION CONTAINING DESLORATADINE FOR INTRANASAL DELIVERY**

Journal of Global Trends in Pharmaceutical Sciences, 2016; 7 (3): 3275 – 3288.

**DESIGN AND CHARACTERIZATION OF DIOSMIN-CYCLODEXTRIN COMPLEX AS A NOVEL TRANSDERMAL GEL**

Int J Pharm Bio Sci. 2016 April; 7 (2): (P) 70 – 77.

**PREPARATION AND EVALUATION OF FAST DISSOLVING ORAL FILMS CONTAINING METOCLOPRAMIDE HYDROCHLORIDE**

World Journal Of Pharmacy And Pharmaceutical Sciences, Volume 4, Issue 12, 1430-1443, 2015.

**FLURBIPROFEN FAST DISINTEGRATING TABLETS**

International Journal of Pharmacy and Pharmaceutical Sciences,

Vol. 6, Suppl 2, pp. 499-505, Feb. 2014.

**Formulation and Evaluation of In-situ Gelling Tenoxicam Liquid Suppositories**

Journal of Life Medicine, Volume 1, Issue 2, pp. 23-32, July, 2013.

**Formulation and Evaluation of Colon Targeted Tablets Containing Secnidazole**

Egypt. J. Biomed. Sci., Vol. 39, pp. 92-113, July, 2012.

**Formulation and Evaluation of Once-daily Sustained-release Tablets of Isoxsuprine HCl**

Egypt. J. Biomed. Sci., Vol. 34, pp. 162-179, November 2010.

**Preparation and in-vitro evaluation of eudispert hydrogel rectal suppositories containing salicylamide**

Bull. Pharm. Sci., Assiut University, Vol. 30, part 2, pp. 169-179, 2007.

**Ph.D. Study** The PhD thesis title was **(Drug Delivery via The Mucous Membranes of The oral cavity).**

Therefore, the aim of this work was the formulation of metoclopramide as it is a potent antiemetic drug used in the treatment of gastro-intestinal motility disorders, and in nausea and vomiting of various cases in different sublingual tablet forms for rapid and complete absorption in the body and for fastening the therapeutic effect of the drug.

In addition, the bioavailability of metoclopramide enclosed in the selected sublingual dosage forms as compared to commercially available tablets namely primperan after being administered to six human volunteers have been discussed. The pharmacokinetics parameters of different metoclopramide treatments administered orally to human volunteers include  $C_{max}$ ,  $t_{max}$ ,  $K_{ab}$ ,  $K_{el}$ ,  $t_{1/2ab}$ ,  $t_{1/2el}$ ,  $V_d$ , TCR,  $AUC_{0-8}$ ,  $AUC_{0-\infty}$ ,  $AUMC_{0-8}$ ,  $AUMC_{0-\infty}$  and MRT was estimated.

**M.Sc. Study**

Title of the thesis was:

**Optimization of certain pharmaceutical preparation (s).**

**Special Skills**

**Computer Skills**

- Efficiency in using Windows xp, excel and power point.
- Efficiency in using the internet.

**Languages**

- Native speaker of Arabic.
- Fluent in English.

**Personal Data**

<b>Date of Birth</b>	December 19 <sup>th</sup> , 1970.
<b>Place of Birth</b>	Giza, Egypt.
<b>Nationality</b>	Egyptian.

- Awards**
- Certificate of Honor for Outstanding Effort in Postgraduate Studies from Quality Assurance Unit, Faculty of pharmacy, Ahram Canadian University, May 2022.
  - "The Best Poster Presentation" award from Faculty of pharmacy, Ahram Canadian University at the 2<sup>nd</sup> ACU International Pharmaceutical Conference of, 2018.
  - Certificate of Thanks & Appreciation and Medal of honour from Faculty of pharmacy (girls), Alazhar University, 2018.
  - Certificate of Appreciation from national committee for biochemistry and molecular sciences, 2017.
  - Certificate of Appreciation from Quality Assurance Unit, Faculty of pharmacy (girls), Alazhar University, 2017.
  - Certificate of Appreciation from Quality Assurance Unit, Faculty of pharmacy (girls), Alazhar University, 2015.
  - Certificate of Appreciation from Pharmaceutics department, Faculty of pharmacy (girls), Alazhar University, 2013.
  - Certificate of Honor from Faculty of pharmacy (girls), Alazhar University, 2006.

- References**
- **Prof. Dr. Ehab Fetouh**  
*Dean of Faculty of Pharmacy, Russian University, Cairo- Egypt.*
  - **Prof. Dr. Alaa El-Deen Kasem**  
*Professor of Pharmaceutics and Industrial pharmacy, Faculty of Pharmacy, Al-Azhar University, Cairo- Egypt.*
  - **Prof. Dr. Ahmed Mahmoud Sami Ahmed**  
*Professor of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Al-azhar University, Cairo- Egypt.*
  - **Prof. Dr. Omaima Ahmed Amin Sammour**  
*Professor of Pharmaceutics and Industrial pharmacy, Faculty of Pharmacy, Ain Shams University, Cairo- Egypt.*

**Documented References** Furnished upon request.