

## Curriculum Vitae



**Name:** Ahmed Seif El-Din Kamel Abd EL-Wahab El-Deeb  
**Title:** Lecturer  
**Department:** Pharmacology and Toxicology  
**E-mail:** [Ahmed.seifeldin@pharma.cu.edu.eg](mailto:Ahmed.seifeldin@pharma.cu.edu.eg)  
**Mobile:** 01125687152-01222326524

## Education:

### • Academic Degrees

#### Bachelor

Bachelor of Pharmacy, 2008, Faculty of Pharmacy, Cairo University.

#### Master science

Pharmacology and Toxicology, Title: Pharmacological study of the possible antidiabetic action of certain phosphodiesterase inhibitors in experimental rats, April 2015, Cairo University.

#### Philosophy of Doctor

Pharmacology and Toxicology, Title: Effect of Mas receptor on D-galactose-induced cognitive impairment in ovariectomized rats, May 2018, Cairo University.

### • Research interest

Diabetes, Alzheimer's disease, Molecular Neuropharmacology, Molecular biology, Neuroscience, Inflammation and Cardiovascular system.

### • Techniques

1. *In vitro* isolation of beta-islets from pancreas of rats by collagenase technique using stereomicroscope under supervision of Prof. Dr. Mostafa El-Sayed, Professor of Pharmacology and Toxicology, Faculty of Pharmacy, Cairo University.
2. Western blotting technique for measurement of protein expressions in Zewail city of Science and Technology under supervision of Prof. Dr. Marwan Emara, Professor of Cancer Biology, Zewail city of Science and Technology.

3. Real time Polymerase Chain Reaction technique (RT-PCR) for assessment of gene expressions using taqman assay in Zewail city of Science and Technology under supervision of Prof. Dr. Marwan Emara, Professor of Cancer Biology, Zewail city of Science and Technology.
4. Intracranial injections in rats using stereotaxic apparatus in Faculty of Pharmacy, Alexandria University, under supervision of Prof. Dr. Mahmoud El-Mas, Professor of Pharmacology and Toxicology, Alexandria University.
5. Primer design for assessing gene expression of proteins in conventional PCR in Faculty of Pharmacy, Alexandria University, under supervision of Assistant Prof. Dr. Ahmed Waheed, Assistant Professor of Pharmacology and Toxicology, Alexandria University.
6. Immunohistochemical analysis of protein expressions as tissue based technique in Faculty of Pharmacy, Alexandria University, under supervision of Prof. Dr. Mahmoud El-Mas, Professor of Pharmacology and Toxicology, Alexandria University.
7. Cardiovascular techniques such as femoral cannulation, baroreflex sensitivity and heart rate variability in Faculty of Pharmacy, Alexandria University, under supervision of Prof. Dr. Mahmoud El-Mas, Professor of Pharmacology and Toxicology, Alexandria University.
8. Induction of Alzheimer's disease by performing ovariectomy surgery followed by D-galactose injection in Faculty of Pharmacy, Cairo University under supervision of Prof. Dr. Mahmoud Khattab, Professor of Pharmacology and Toxicology, Faculty of Pharmacy, Cairo University.
9. Induction of Diabetes mellitus in rats using Streptozotocin under supervision of Prof. Dr. Mostafa El-Sayed, Professor of Pharmacology and Toxicology, Faculty of Pharmacy, Cairo University.
10. High-performance liquid chromatography and Mass spectroscopy analysis in Faculty of Pharmacy, Cairo University under supervision of Dr. Mohamed Khaled, Lecturer of Analytical chemistry, Faculty of Pharmacy, Cairo University.

#### • **Programs**

1. Image analysis of immunohistochemical and western blot images using image J analyzer program.
2. Graph Pad Prism analysis program for biostatistics analysis, scientific graphing and curve fitting.
3. Statistical Data analysis using SPSS program.
4. Strathclyde Pharmacology Simulations programs for teaching in vitro and in vivo techniques in undergraduates Pharmacology courses.
5. Reference manager software to handle references and full-text documents, and citations while writing thesis and articles.

## Teaching Courses:

	Course Title
<b>Undergraduate Courses (General Program)</b>	Pharmacology I
	Pharmacology II
	Pharmacology III
	Biostatistics and Biological Standardization of Drugs
	Toxicology
	First aid
<b>Undergraduate Courses (Clinical Program)</b>	Pharmacology1
	Pharmacology-2
	Toxicology and Forensic Chemistry
	Therapeutics-1
	Clinical Pharmacology
	Therapeutics-2
	Respiratory system diseases
	Gastrointestinal system diseases
	Oncology
	First aid
<b>Postgraduate Courses</b>	Lecturer assistant in Experimental Pharmacology course (Master)
	Lecturer in pharmacotherapy and Drug-induced adverse effect courses in Pharmacovigilance Diploma, Faculty of Pharmacy, Cairo University.

## Career History and Professional Experience

Titles	
	<ul style="list-style-type: none"> <li>• Researcher in Aya Alaa lab in Helmy Institute of Biomedical Sciences, Zewail City of Science and Technology – May 2015 - till now.</li> <li>• Teacher and Lecturer of Pharmacology-1, Biostatistics and Biological Standardization in general program for undergraduates starting from June 2018.</li> <li>• Teaching/ Research Assistant at department of Pharmacology &amp; Toxicology, Faculty of pharmacy Cairo University - May 2009 till 2018.</li> </ul>

## Projects

- Participant in organizing and monitoring committee of the official site of faculty of Pharmacy, Cairo university – September 2015-2016.
- Member of Device Committee at department of Pharmacology and Toxicology, Faculty of Pharmacy, Cairo University- September 2014-2018.
- Organizer of Drug profile project for third year students, 2009-2015, Faculty of Pharmacy, Cairo University.
- Representative of department of pharmacology and toxicology department for undergraduate courses in Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University – May 2016 till 2018.

Participant in the Erasmus project entitled “IT-based international diploma and professional certificate in clinical toxicology”-ITCT (2015).

## Publications

Stimulation of ACE2/ANG(1–7)/Mas Axis by Diminazene Ameliorates Alzheimer's Disease in the D-Galactose-Ovariectomized Rat Model: Role of PI3K/Akt Pathway. Kamel, A.S., Abdelkader, N.F., Abd El-Rahman, S.S. et al. Mol Neurobiol (2018). <https://doi.org/10.1007/s12035-018-0966-3>.

Beneficial effects of certain phosphodiesterase inhibitors on diabetes mellitus in rats. Kamel, A.S., Eid, N., El-Sayed, M.E. Volume 52, Issue 2, December 2014, Pages 179-189. Bulletin of Faculty of Pharmacy, Cairo University.

## Attended Conferences

- The 4th scientific conference of Faculty of Pharmacy Cairo University, 2013.

## Courses, Certificates & Workshops:

- Workshop about “University Management” by faculty and leadership center at Cairo University” FLDC”, 2017.
- Workshop about “Creative Thinking” by faculty and leadership center at Cairo University” FLDC”, 2016
- Workshop about “Effective Teaching Skills” by faculty and leadership center at Cairo University” FLDC”, 2016
- Workshop about “Strategic Planning” by faculty and leadership center at Cairo University” FLDC”, 2016
- Workshop about “Exams and Students Evaluation System” by faculty and leadership center at Cairo University” FLDC”, 2015

- Workshop about “International Publishing of Scientific Research” by faculty and leadership center at Cairo University” FLDC”, 2015
- Workshop about Interactive Lectures by DAAD, 2014.
- Workshop about Understanding Learning Processes by DAAD, 2014
- Workshop about “Legal and Financial Aspects in University Environment” by faculty and leadership center at Cairo University” FLDC”, 2014
- Workshop about “University Code of Ethics” by faculty and leadership center at Cairo University” FLDC”, 2016
- Workshop about How to present scientific data by DAAD, 2014
- Workshop about “Citation managers software; Endnote vs mendely” by Faculty of Pharmacy, Cairo University, 2017.
- Workshop about “Conference Organization” by faculty and leadership center at Cairo University” FLDC”, 2013
- Workshop about “Use Technology in Teaching” by faculty and leadership center at Cairo University” FLDC”, 2013
- Workshop about “Competing for Research Funds” by faculty and leadership center at Cairo University” FLDC”, 2012
- Workshop about “The Credit Hour Systems” by faculty and leadership center at Cairo University” FLDC”, 2012.
- Workshop about “Essentials of Pharmacovigilance Practice: An Overview”
- ICDL Holder (Windows, Word, Excel, IT, Access, Power point and Net), 2010

### **Training internship:**

- Two Weeks Training at “6<sup>th</sup> October company”, 2006.
- Manager and Pharmacist of Atbaa pharmacy, 2009-till present.
- Statistical Data analysis using SPSS, Institute of statistical studies and research, 7<sup>th</sup> December 2012-11<sup>th</sup> January 2013.
- Training at AU as part of the capacity building of the team members working in the ITCT project on stereotaxic technique, immunostaining, blood pressure and baroreflex responses measurements, 15-17<sup>th</sup> July 2018.
- ITCT pilot training for E-labs in E-learning competence centre at ministry of communications and information technology (MCIT), 2<sup>nd</sup>-4<sup>th</sup> July 2018.