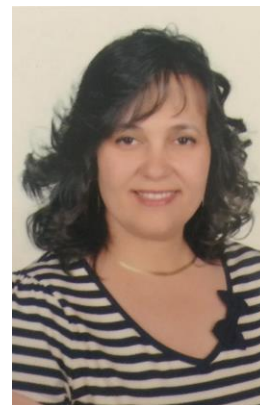


Curriculum Vitae

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PROFESSIONAL SUMMARY

Talented college professor of analytical chemistry with 20+ years of experience in teaching courses to undergraduate and post graduate students, employing creative teaching strategies that fully engage students in the learning process. In-depth knowledge of analytical chemistry as well as physical and inorganic chemistry; adept in implementation of educational technology tools and applications in the classroom.

ACCOMPLISHMENTS

- Published 37+ research papers in top tier pharmaceutical analytical chemistry and environmental analytical chemistry journals. Current h-index =10
- The principal investigator of the project “Three Plasmonic biosensors as point of care diagnostics for determination of cholesterol, uric acid levels and the prostate Cancer biomarker Sarcosine”. Funded by Academy of scientific research and technology, Cairo. (ongoing)
- The principal investigator of the project “Assessment of Pectin Magnetic Nanoparticles in low energy water desalination and sustainable water treatment.” Funded by STDF, Cairo. (accomplished)
- A team member in a project entitled “RUCAS: Reorient university curricula to address sustainability”, funded by European commission TEMPUS, Europe. (accomplished)
- A team member in a project entitled “NAAN: Natural antidiabetic & anti-hypertensive drugs”, funded by European union, Europe. (accomplished)
- Supervised more than eight PhD theses and twelve master theses in faculty of pharmacy, Cairo University.
- Course coordinator of two courses presented to first year pharmacy students.
- Head of the postgraduate diploma control committee during the work of examinations at Faculty of Pharmacy, Cairo University
- Participated in 13 scientific conferences held in Egypt and abroad.

EMPLOYMENT AND EXPERIENCE:

- 2017- Present **Quality consultant and member of the board of directors** of Center of Applied Research and Advanced Studies (CARAS), Faculty of Pharmacy, Cairo University
- Taking decisions with the other members of board of directors regarding the quality of the test results
 - Preparing the labs of the center for international accreditation.
- 2016 - Present **Professor of Analytical Chemistry**, College of Pharmacy, Cairo University.
- Responsible for curriculum development of pharmaceutical analytical chemistry courses presented to first year pharmacy students
 - Designing and organizing undergraduate and postgraduate course calendar, assessing of workload and implementation of strategies to ensure a balance of workload across staff
 - Lecturing and assessing students' performance throughout the semester
 - Preparing and grading the final practical, written exams and execution of oral exams with external and internal professors.
 - Responsible for preparation and revision of course specifications , course report and course file..
- 2013 - 2015 **Acting dean of Faculty of pharmacy and drug Technology, Heliopolis University** during the fall semesters.
- Responsible for representing the faculty in discussions with the university president and executive board
 - Responsible for representing the faculty in the Supreme Council of Universities (SCU) and the Council of Private Universities (CPU)
 - Responsible for hiring highly effective faculty staff and others assuring their accountability for high-level performance in areas appropriate to their positions
 - Responsible for overseeing the academic programs of the departments and work with professors to create a list of required courses that the students must take.
 - Responsible for handling any complaints from students.
- 2012 – 2013 **Acting vice dean of education and student affairs and Head of Pharmaceutical Chemistry Department**, Faculty of pharmacy and drug Technology, Heliopolis University.
- Collaborated with the Dean in managing the affairs of the Faculty.
 - Assisted the Dean in disseminating regulations and explaining to the staff any modification in the University bylaws.
 - Responsible for program validation with respect to the Supreme Council of Universities (SCU);
 - Responded to any concern or demand required by the Council of Private Universities (CPU) related the faculty.
 - Reviewed the files of transfer students and sign them before submission to Students Affairs Office.
 - Prepared the faculty study sessions timetable.

- Monitored the Examinations process including preparation of the examination and invigilation timetables, and supervising the examination officers, including copying, receipt, and storage of examination papers.
- Solved student issues and problems within the university regulations in co-ordination with the Dean.
- Responsible for student-staff liaison, including the tutor system, and the supervision of student sports and social activities in the Faculty.
- Assisted the Dean in developing and maintaining relationships with industry, the local community and national and international agencies and organizations.

2011 – 2012

Associate professor of Analytical Chemistry, College of Pharmacy, Cairo University.

- Designed and lectured courses dealing with different analytical methods for undergraduate and postgraduate pharmacy students.
- Designed and supervised the practical curriculum for undergraduate and postgraduate students.
- Graded the students' levels through different types of exams.
- Supervised the students' research and independent studies.

2008 – 2010

Quality manager in Center of Applied Research and Advanced Studies (CARAS), Faculty of Pharmacy, Cairo University

- Responsible for the quality management and supervision of the working staff to produce the tests and results in an extremely high quality that comply with the international standards of the ISO 17025.

2004 –2008

Consultant at Acapi Pharmaceuticals and Sekem Group

- Designing new methods of analysis for new drug formulas and solving the analytical problems that occurs.
- Training the staff on the international standards for quality control and method validation

2003 – 2011

Lecturer of Analytical Chemistry, College of Pharmacy, Cairo University.

- Lectured courses dealing with theoretical bases of different methods of analysis.
- Supervised the fulfillment of the practical courses for undergraduate and postgraduate pharmacy students.
- Estimated and graded the students' levels through different types of exams.
- Conducted scientific sessions for demonstrators and assistant lecturers in discussion of theoretical and practical courses

1997 – 2002

Assistant lecturer of Analytical Chemistry, College of Pharmacy, Cairo University.

- Responsible of teaching different practical analytical methods.
- Planned experiments for the practical course for undergraduate pharmacy students.

- Prepared practical exams for undergraduate and postgraduate pharmacy students.
- Conducted different research activities for doctoral degree.

1992 – 1997

Teaching assistant of Analytical Chemistry, College of Pharmacy, Cairo University.

- Demonstrated and explained different analytical practical experiments for undergraduate pharmacy students.
- Prepared teaching materials for practical courses.
- Attended different postgraduate special courses for preparing of master's degree.
- Conducted different research activities for master's degree.

ACADEMIC DEGREES:

1998 – 2003

Ph.D. in Analytical Chemistry, College of Pharmacy, Cairo University.

1992 – 1997

M.S. in Analytical Chemistry, College of Pharmacy, Cairo University.

1986 – 1991

B.S. of Pharmaceutical Sciences, College of Pharmacy, Cairo University.

1985 – 1986

British General Certificate of Education from London University.

AWARDS AND RECOGNITION:

- Best research poster presentation award in the 11th international conference on instrumental methods of analysis- **IMA in Greece in 2019** for the research entitled magnetic molecularly imprinted polymer nanoparticles as solid phase extraction matrix in therapeutic drug monitoring.
- Best research poster award in the 3rd international conference on chemistry, chemical & petrochemical engineering (**iccpe**) **in Malaysia in 2017** for the research entitled HPLC and TLC methods for simultaneous determination of citalopram hydrobromide and clonazepam using the quality by design approach.
- Best research poster award in the “Second Scientific Conference of the Faculty of Pharmacy” for the research entitled Simultaneous determination of allopurinol and benzbromarone in presence of the active metabolite oxipurinol
- Best Doctoral Thesis Supervision Award in college of pharmacy, Cairo university
- International Publication Award from Cairo University for the research entitled Spectrophotometric and spectrofluorimetric determination of oseltamivir phosphate using 4-chloro-7-nitrobenzo-2-oxa 1,3-diazole
- International Publication Award from Cairo University for the research entitled Stability-indicating spectrophotometric and spectrodensitometric methods for the determination of diacerein in the presence of its degradation product
- International Publication Award from Cairo University for the research entitled Membrane electrodes for the simultaneous determination of vitamins B₁, B₆ and B₁₂

- A certificate of thanks and appreciation from the unit of performance evaluation and quality assurance in College of pharmacy, Cairo University as a Coordinator of the Unit for ISO things throughout the total period for ISO certification of the College.

OTHER ACTIVITIES:

- Coordinator of quality assurance unit of faculty of pharmacy – Cairo University during the preparation of faculty departments for accreditation ISO 9001
- Participant in preparation of instruments requirements and specifications for analytical chemistry department- Cairo University throughout the project of continuous development and qualification for accreditation CIQAP.
- Member of the supervisory committee on the development and maintenance of devices of analytical chemistry department – faculty of pharmacy, Cairo University.
- Participant in the description and preparation of annual reports of various courses of the analytical chemistry department – faculty of pharmacy, Cairo University.
- Head of the team responsible for the preparation of the annual conference of the analytical chemistry department – faculty of pharmacy, Cairo University