



## Christine Kamal Nessim Zakhary

**E-mail:** [christine.kamal@acu.edu.eg](mailto:christine.kamal@acu.edu.eg)

**Phone:** 01229006836

<b>Personal Data</b>	<p><b>-Date of birth:</b> 29/7/1989</p> <p><b>-Place of birth:</b> Cairo – Egypt</p> <p><b>-Nationality:</b> Egyptian</p>
<b>Qualification</b>	<p>-Ph.D. in Analytical Chemistry - Faculty of Pharmacy - Cairo University, (2020).</p> <p>-Master in Analytical Chemistry - Faculty of Pharmacy - Cairo University, (2017).</p> <p>Excellent grade in Pre-requisite Master courses (GPA: 3.73), (2013).</p> <p>-Bachelor degree of Pharmacy and Pharmaceutical Sciences, Faculty of Pharmacy – Ahram Canadian University – Cumulative grade Excellent with Honors (GPA: 3.945), (June 2011).</p>
<b>Academic Experience</b>	<ul style="list-style-type: none"><li>- Lecturer - Pharmaceutical Chemistry Department, Faculty of Pharmacy-Ahram Canadian University (From Feb 2021 – present).</li><li>- Assistant lecturer - Pharmaceutical Chemistry Department, Faculty of Pharmacy-Ahram Canadian University (From Sep 2017 – Sep 2020).</li><li>-Teaching Assistant – Pharmaceutical Chemistry Department, Faculty of Pharmacy–Ahram Canadian University, (From Sep 2012 – Sep 2017).</li><li>- Teaching Assistant – Microbiology Department, (From Sep 2011 – Sep 2012).</li></ul>
<b>Teaching Experience</b>	<ul style="list-style-type: none"><li>- Instructor of different department courses: Drug Quality Control, Analysis of Food and cosmetics, Instrumental analysis and Pharmaceutical analytical III</li><li>- Field visits with level 5 students</li></ul>
<b>Membership</b>	<ul style="list-style-type: none"><li>-Member in preparing and questionnaire analysis committee in the quality assurance unit, ACU, spring 2017 during the accreditation.</li><li>-Member in preparing Organizational Structure file in the quality assurance unit, ACU, spring 2017.</li><li>-Member of the examination control unit for pharmacy students, ACU, Fall 2017, Spring 2016, Fall 2018 &amp; Spring 2019.</li><li>-Member of the defaulting students reviewing committee, ACU, Fall 2020.</li><li>-Member of the quality committee, ACU, Fall 2020</li><li>-Member in level V Control unit for the academic year 2021-2022</li><li>-Member in Summer training committee for the academic year 2021-2022</li><li>-Coordinator for the Pharmaceutical Chemistry Department in the quality assurance unit, ACU, Spring 2022 - on going.</li><li>-Member in Internal Revision committee in the quality assurance unit, Fall 2022.</li></ul>

<b>Skills</b>	<ul style="list-style-type: none"> <li>- Personal: Communication skills – leadership – problem solving – Working effectively in a team – decision making &amp; time management</li> <li>- Computer: Holding the ICDL certificate</li> <li>- Language: ITP (local TOEFL)</li> </ul>
<b>Research Experience</b>	<ul style="list-style-type: none"> <li>- Analysis by using chromatography methods with applications on veterinary and human medicines.</li> <li>- Working on Spectrophotometer Double beam instrument.</li> <li>- Using chemometric models to quantify severely overlapping mixtures.</li> <li>- Reviewer in many international journals</li> </ul>
<b>Conferences</b>	<ul style="list-style-type: none"> <li>- Participated with a poster in the 1<sup>st</sup> ACU International Conference of Pharmaceutical Sciences On New Trends in Pharmaceutical and Medical Research, NTPMR 28<sup>th</sup> -29<sup>th</sup> May 2016. (<b>Comparative Study of HPLC versus TLC densitometric Methods for Simultaneous Determination of Mebeverine Hydrochloride and Chlordiazepoxide in their Binary Mixture</b>).</li> <li>- Participated in 9<sup>th</sup> International Scientific Conference of Faculty of Pharmacy- Cairo university April 25<sup>th</sup>-26<sup>th</sup>, 2018.</li> <li>- Participated in 2<sup>nd</sup> ACU International Conference of Challenges in Future Pharmaceutical Trends, IPCACU 14<sup>th</sup> -15<sup>th</sup> November 2018.</li> <li>-Egyptian Pharmaceutical Society 36<sup>th</sup> International Scientific Conference of Pharmaceutical Sciences - Faculty of Pharmacy – FUE (May 21<sup>th</sup>, 2022) (Poster).</li> </ul>
<b>Training</b>	<ul style="list-style-type: none"> <li>- Talaat Harb Pharmacy, (June-September 2009).</li> </ul>
<b>Book</b>	<ul style="list-style-type: none"> <li>- A chapter in Lambert Academic Publishing entitled "Spectrophotometric and Chromatographic Determination of Binary Mixture of Mebeverine Hydrochloride and Chlordiazepoxide in Coloverin<sup>®</sup> A Tablets", (2018).</li> </ul>
<b>Webinar</b>	<ul style="list-style-type: none"> <li>“The development and bio-analytical characterization of novel drug delivery systems” On Wednesday July 28<sup>th</sup>, 2021</li> <li>“Countercurrent Chromatography: Fundamentals and Concepts” On Monday August 23<sup>rd</sup>, 2021</li> <li>“Avoid predatory journals as threats to academic publishing” On Wednesday August 11<sup>th</sup>, 2021</li> <li>"Peptides: Bio-inspired Molecular Constructs for the Innovation of Biomedical Nanomaterials" On December 17<sup>th</sup>, 2022</li> </ul>
<b>Workshop</b>	<ul style="list-style-type: none"> <li>“How to Write a Winning Grant Research Proposal” On 7<sup>th</sup> February 2021</li> <li>“Research Article: from Hypothesis to Publication” On 29<sup>th</sup> April 2021</li> <li>“Sustainable development and climate change Program” From 5<sup>th</sup> to 10<sup>th</sup> October, 2022</li> <li>“Entrepreneurship” On 3<sup>th</sup> November 2022</li> <li>“النشر الدولي للبحوث” On (7- 8<sup>th</sup>) November 2022</li> <li>“FTIR &amp; Raman Spectroscopy in pharmaceutical Industry ” On 28<sup>th</sup> November</li> </ul>

	<p>2022</p> <p>”دورة نظم الامتحانات وتقييم الطلاب“ On (3- 4<sup>th</sup>) December 2022</p> <p>"GCP and EDA regulations session" On 12<sup>th</sup> December 2022</p> <p>"Publication Ethics and Research Misconduct" On 12<sup>th</sup> December 2022</p> <p>"From papers to patents: Innovation Roadmap for universities" On 13<sup>th</sup> December 2022</p> <p>" Research Funding: Grant proposal drafting" On 14<sup>th</sup> December 2022</p>
--	---

<b>List of Publications</b>			
<b>Thesis</b>	<b>Manuscript Title</b>	<b>Journal</b>	<b>Publication Year</b>
<b>Master Work</b>	Simultaneous Determination of Mebeverine Hydrochloride and Chlordiazepoxide in their Binary Mixture using Novel Univariate Spectrophotometric Methods via Different Manipulation Pathways	Spectrochimica Acta Part A	(2016) Volume 155 Pages 11 – 20
	Comparative Study of the Resolution Efficiency of HPLC and TLC-densitometric Methods for the Analysis of Mebeverine Hydrochloride and Chlordiazepoxide in their Binary Mixture	European Journal of Chemistry	(2016) Volume 7, Issue 3, Pages 315 –321
	Validated Stability-Indicating Chromatographic Methods for the Determination of Chlordiazepoxide and Clidinium Bromide in the Presence of its Alkali-Induced Degradation Product: Kinetic Study	Chromatographia	(2017) Volume 80, Issue 4, Pages 1 – 12
	Novel Stability-Indicating Chemometric-assisted UV Spectrophotometric Methods for the Determination of Chlordiazepoxide and Clidinium Bromide in the Presence of its Alkali-Induced Degradation Product	J. AOAC Int.	(2018) Volume 101, Issue 3, Pages 714 – 722
	Evaluation of the Efficiency of Smart Stability-Indicating Spectrophotometric Methods Based on Mathematical and Statistical Processing of the Obtained Results Via Different Manipulating Pathways	Current Pharmaceutical Analysis	(2020) Volume 16, Issue 2, Pages 186 – 200

Thesis	Manuscript Title	Journal	Publication Year
<b>Ph.D. Work</b>	Optimization and validation of a new chromatographic method for the assay of veterinary formulation	European Journal of Chemistry	(2019) Volume 10, Issue 3, Pages 218 – 223
	Paired Wavelength Relevance as Spectrophotometric Strategy for Evaluation the Potency of Medicine Affecting Human Health	Spectrochimica Acta Part A	(2020) Accepted
	Impact Study of the Mathematic Manipulation on the Resolution Efficiency of Spectrophotometric Technique – An Application on Veterinary Binary Mixture with Overlapping Absorption Bands	J. AOAC Int.	(2020) Volume 103, Issue 5, Pages 1412-1423
	Comprehensive Comparative Study of Eco-Friendly Univariate and Multivariate Methodological Approaches on Processing Multi-component Formulation Quality	Spectrochimica Acta Part A	(2020) Volume 243, pp. 118816-118827
	A Thorough HPLC Assay of Quaternary Veterinary Formulation coupled with Environmental Assessment Tool	Journal of Chromatographic Science	(2020) Volume 59, Issue 8, Pages 776–784
	When Human Can Safely Eat Different Chicken Tissues if Chicken Administered Doxycycline and Tylosin?	Journal of Food Science and Technology	(2021) Volume 86, Issue (3), Pages 1162-1171

**Languages:**    **-Arabic: Mother tongue.**  
                      **- English: Excellent (written & spoken).**