

Curriculum Vitae



I- Personal information:	
1) Full Name:	▪ Mohamed Refaat EL-Sayed El-Ghobashy
2) Title:	▪ Professor
3) Nationality:	▪ Egyptian
4) Date of birth:	▪ 29/7/1973
5) Place of birth:	▪ Cairo, Egypt
6) Marital status:	▪ Married
7) Address:	▪ Faculty of Pharmacy, October 6 University
8) E-Mail:	▪ mohamedrefaat73@yahoo.com , Mohamed.refaat.pha@oct.edu.eg , Mohamed.elghobashy@pharma.cu.edu.eg
9) H-Index (according to Scopus):	▪ 14
10) Website:	▪ https://scholar.cu.edu.eg/?q=mohamedrefaat/
11) ORCID:	▪ https://orcid.org/0000-0003-0383-2091
12) Scopus author ID:	▪ 36774361000
II- Education:	<ul style="list-style-type: none"> • Ph.D. in Pharmaceutical Sciences (Analytical Chemistry, Cairo university, 2006) Ph.D. Thesis: Analytical study on some smooth muscle relaxant drugs. • Master Degree in Pharmaceutical Sciences (Analytical Chemistry, Cairo university, 2003) M.Sc. Thesis: Analytical study on some anti-inflammatory non-steroidal drugs. • B. Pharm. Sci. (Cairo university, 1996) Excellent Degree with honor.
III- Professional occupations:	<ul style="list-style-type: none"> • Demonstrator in Analytical Chemistry Department, Faculty of Pharmacy, Cairo University from 17/11/1996 to 5/8/2003. • Teaching Assistant in Analytical Chemistry Department, Faculty of Pharmacy, Cairo University from 6/8/2003 to 27/12/2006.

- Lecturer in Analytical Chemistry Department, Faculty of Pharmacy, Cairo University from 27/12/2006 to 21/1/2012
- Assistant Professor in Analytical Chemistry Department, Faculty of Pharmacy, Cairo University from 21/1/2012 to 24/4/2017.
- Professor in Analytical Chemistry Department, Faculty of Pharmacy, Cairo University from 24/4/2017 till 30/9/2017.
- Professor in Analytical Chemistry Department, Faculty of Pharmacy, October 6 University from 1/10/2017 till now.
- Vice Dean for Graduate Studies & Research, Faculty of Pharmacy, October 6 University from 1/10/2018 till 5/7/2022.
- Acting Dean, Faculty of Pharmacy, October 6 University from 28/12/2020 till 31/1/2022.
- Dean, Faculty of Pharmacy, October 6 University from 1/2/2022.

IV- Experience:

a) Teaching experience:

- Teaching and supervising the practical courses of analytical chemistry to first- and second-year students from 1996.
- Supervising of practical quality control and toxicology diploma.
- Teaching theoretical courses of analytical chemistry to the first- and second-year students from 2007.
- Teaching theoretical and supervising the practical courses of analytical chemistry to first- and second-year students from 2006 till 2008 in Faculty of Pharmacy - Beni-Sueif University.
- Teaching theoretical and supervising the practical courses of analytical chemistry to first year students from 2007 till 2008 in Faculty of Pharmacy - Nahda University (NUB).
- Teaching theoretical and supervising the practical courses of analytical chemistry to first year students from 2015 till 2016 in Faculty of Pharmacy and Drug Technology - Heloplious University for Sustainable Development.
- Teaching theoretical and supervising the practical courses of analytical chemistry to first- and second-year students from 2016 till 2017 in Faculty of Pharmacy - October 6 University.
- Teaching theoretical and supervising the practical courses of analytical chemistry and physical chemistry to first year students from 2009 in Faculty of Pharmacy - Modern University for Technology & Information (MTI).
- Supervising the practical courses of analytical chemistry to first- and second-year students from 2006 till 2008 in Faculty of Pharmacy - Misr International University (MIU).

- Oral examiner of Analytical chemistry to the first- and second-year students from 2006 till now.
- External oral examiner of analytical chemistry to the first and second year students – Ain Shams University – Helwan University – 6 October University – Minia University – Ahran Canadian University – Sina University- Mansoura University – Tanta University- Azhar University – MIU University – MSA University – MTI University- MUST University – Heloplious University – Badr University – Russian University.

b) Research experience and list of publications:

Analysis of Pharmaceutical compounds utilizing different analytical techniques as Spectrophotometry, High performance liquid Chromatography, TLC-Densitometry and Ion selective electrodes. I have published 92 manuscripts until now in local and international Journals as shown below.

1- 2002: *Drug Development and Industrial Pharmacy*, 28 (5) page 571-582.

"Stability-Indicating Spectrophotometric and Densitometric Methods for Determination of Aceclofenac."

2- 2002: *Bull. Fac. Pharm. Cairo Univ., Vol. 40 No. 3* page 47-64.

"Simultaneous determination of Diclofenac Sodium and Diflunisal."

3- 2006: *Journal of Pharmaceutical and Biomedical Analysis* 41 page 720–724.

"Application of a new membrane selective electrodes for the determination of drotaverine hydrochloride in tablets and plasma."

4- 2007: *Journal of AOAC INTERNATIONAL Vol. 90, No. 1* page 102-112.

"Simultaneous determination of Hyoscine butylbromide and Ketoprofen in pharmaceutical preparations by spectrophotometric and HPLC methods."

5- 2007: *Journal of AOAC INTERNATIONAL Vol. 90, No. 2* page 391-404.

"Application of derivative, derivative ratio, multivariate spectral analysis and TLC-densitometric methods for determination of a ternary mixture containing drotaverine hydrochloride, caffeine and paracetamol."

6- 2007: *Talanta* 72 No. 2 page 675–681.

"Development of membrane electrodes for the selective determination of hyoscine butylbromide."

7- 2007: *Bull. Fac. Pharm. Cairo Univ., Vol. 45 No. 3* page 13-29.

"Spectrophotometric Methods and Application of a New Membrane Selective Electrodes for the Simultaneous Determination of Mebeverine Hydrochloride and Sulpiride."

8- 2007: Az. J. Pharm. Sci., Vol. 36 page 23-37.

“Stability indicating TLC densitometric and chemometric methods for the simultaneous determination of etofibrate in its alkaline induced degradation products.”

9- 2008: Bull. Fac. Pharm. Cairo Univ., Vol. 46 No. 1 page 75-86.

“Application of derivative ratio and TLC-densitometric methods for determination of a ternary mixture containing metronidazole, diloxanide furoate and mebeverine hydrochloride.”

10- 2008: Bull. Fac. Pharm. Cairo Univ., Vol. 46 No. 2 page 25-34.

“Stability indicating methods for the determination of pioglitazone hydrochloride in presence of its degradation product.”

11- 2009: Analytical letters, Vol. 42 No. 1 page 123-140.

“Application of Membrane-Selective Electrodes for the Determination of Pioglitazone Hydrochloride in the Presence of Its Acid Degradant or Metformin Hydrochloride in Tablets and Plasma.”

12- 2009: Analytical Chemistry An Indian J., Vol. 8 No. 2 page 255-264.

“Stability Indicating Methods For Determination Of Ziprasidone Hydrochloride.”

13- 2009: Analytical Chemistry An Indian J., Vol. 8 No. 4 page 511-515.

“Simultaneous Determination Of Pipenzolate Bromide And Phenobarbitone In Pharmaceutical Preparations By HPLC Method.”

14- 2009: Drug Testing and Analysis J., Vol. 1 No. 7 page 339-349.

“Simultaneous determination of metformin hydrochloride and pioglitazone hydrochloride in binary mixture and in their ternary mixture with pioglitazone acid degradate using spectrophotometric and chemometric methods”.

15- 2009: Analytical Chemistry An Indian J., Vol. 8 No. 4 page 613-620.

“Stability indicating methods for determination of nafronyl oxalate”.

16- 2010: Drug Discoveries & Therapeutics J., Vol. 4 No. 3 page 217-222.

“Membrane electrodes for determination of two antihypertensive drugs in pharmaceutical formulations of either single or binary mixtures and in biological fluids”.

17- 2010: Analytical Chemistry An Indian J., Vol. 9 No. 2 page 298-

304.

“TLC-Spectrodensitometric And Microemulsion RP-HPLC Chromatographic Methods For Determination Of Orphenadrine And Paracetamol”.

18- 2010: Journal of Advanced Research, Vol. 1 No. 4 page 323-329.

“Spectrophotometric methods for the simultaneous determination of binary mixture of metronidazole and diloxanide furoate without prior separation”.

19- 2011: Pak. J. Pharm. Sci., Vol. 24 No. 1 page 19-23.

“SPECTROPHOTOMETRIC AND SPECTROFLUORIMETRIC METHODS FOR DETERMINATION OF RACECADOTRIL”.

20- 2012: Analytical Chemistry An Indian J., Vol. 11 No. 11, 12 page 329-334.

“Stability indicating methods for determination of Naftidrofuryl Oxalate”.

21- 2012: Bull. Fac. Pharm. Cairo Univ., Vol. 50 No. 1 page 49-59.

“Stability indicating HPLC and spectrophotometric methods for the determination of bupropion hydrochloride in the presence of its alkaline degradates and related impurity”

22- 2012: Portugaliae Electrochimica Acta., Vol. 30 No. 3 page 177-18

“Application of Membrane-Selective Electrodes for the Determination of Naftidrofuryl Oxalate in the Presence of Its Alkaline Degradant in Tablets and Plasma”

23- 2012: Anal. Bioanal. Electrochem., Vol. 4, No. 6 page 579 - 592.

“Ion Selective Membrane Electrodes for Stability-Indicating Determination of Amisulpride”

24- 2013: Anal. Bioanal. Electrochem., Vol. 5, No. 3 page 325 - 340.

“Application of Membrane Selective Electrodes for the Determination of Azelastine Hydrochloride in the Presence of its Alkaline Degradant in Eye drops and Plasma”

25- 2013: Analytical Chemistry An Indian J., Vol. 13 No. 2 page 69-76.

“Simultaneous UV- spectrophotometric techniques for determination of chlorpheniramine maleate and naphazoline hydrochloride in eye drops”.

26- 2013: Chromatographia, Vol. 76, [No.17-18](#), page 1141-1151.

“Stability-Indicating HPLC and RP-TLC Determination of Cefpirome Sulfate with Kinetic Study”

- 27- 2014: *Anal. Bioanal. Electrochem.*, Vol 6, No. 4, page 461-474**
“Comparative Study of Different Ionophores in Ion Selective Electrodes for Stability indicating Determination of Moxifloxacin”
- 28- 2014: *Analytical Chemistry An Indian J.*, Vol. 14 No. 4 page 135-142.**
“Stability indicating spectrophotometric and chromatographic methods for the determination of azelastine hydrochloride in presence of its alkaline degradant”
- 29- 2015: *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (SAA)*, Vol. 137, page 617-624.**
“Quantitative determination of Zopiclone and its impurity by four different Spectrophotometric methods”
- 30- 2015: *J. Electrochem. Soc.* Vol. 162, No. 1, page H1-H5.**
“Strategy for Fabrication of Stable Tramadol Solid-Contact Ion-Selective Potentiometric Sensor Based on Polyaniline Nanoparticles”
- 31- 2015: *Sensors and Actuators B: Chemical*, Vol. 208, No. 3, pages 14–21.**
“Design of a Stable Solid-Contact Ion-Selective Electrode based on Polyaniline Nanoparticles as Ion-to-Electron Transducer for Application in Process Analytical Technology as a Real-Time Analyzer”
- 32- 2015: *Anal. Bioanal. Electrochem.*, Vol. 7, No. 2, page 242-253.**
“Development of membrane electrode for the selective determination of bromazepam in tablets and plasma ”
- 33- 2015: *RSC Advances*, Vol. 5, No. 54, page 43178-43194.**
“Stability-indicating chromatographic determination of hydroquinone in combination with tretinoin and fluocinolone acetonide in pharmaceutical formulation with photodegradation kinetic study”
- 34- 2015: *Journal of Chromatographic Science*, Vol. 53, No. 8, page 1395-1399.**
“HPTLC Method for Quantitative Determination of Zopiclone and Its Impurity”
- 35- 2015: *Journal of Electroanalytical Chemistry*, Vol. 755, page 122-126.**
“Carbon nanotubes versus polyaniline nanoparticles; which transducer offers more opportunities for designing a stable solid contact ion-selective electrode”
- 36- 2016: *Spectrochimica Acta Part A: Molecular and Biomolecular***

Spectroscop (SAA), Vol. 152, page 480-484.

“Novel ratio difference at coabsorptive point spectrophotometric method for determination of components with wide variation in their absorptivities”

37- 2016: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscop (SAA), Vol. 157, page 116-123.

“Successive ratio subtraction coupled with constant multiplication spectrophotometric method for determination of hydroquinone in complex mixture with its degradation products, tretinoin and methyl paraben”

38- 2016: Journal of Chromatographic Science, Vol. 54, No. 4, page 492-499.

“Chromatographic Determination of Aminoacridine Hydrochloride, Lidocaine Hydrochloride and Lidocaine Toxic Impurity in Oral Gel”

39- 2016: Bull. Fac. Pharm. Cairo Univ., Vol. 54 No. 1 page 33-37.

“HPLC and TLC chromatographic methods for simultaneous determination of binary mixture of isoconazole nitrate and diflucortolone valerate”

40- 2016: Bull. Fac. Pharm. Cairo Univ., Vol. 54 No. 1 page 39-47.

“Comparative study on four spectrophotometric methods manipulating ratio spectra for simultaneous determination of binary mixture of diflucortolone valerate and isoconazole nitrate”

41- 2016: Journal of AOAC INTERNATIONAL Vol. 99, No. 2 page 386-395.

“Least squares regression and spectral residual augmented classical least squares chemometric models for stability indicating analysis of agomelatine and its degradation products: A comparative study”

42- 2016: European Journal of Chemistry Vol. 7, No. 2, page 161-165.

“Determination of binary mixture of ibuprofen and famotidine by different spectrophotometric methods”

43- 2016: European Journal of Chemistry Vol. 7, No. 2, page 201-205.

“Development and validation of spectrofluorimetric method for determination of diflunisal and its impurity”

44- 2016: Current Pharmaceutical Analysis Vol. 12, No. 4 page 391-398.

“Determination of aliskiren hemifumarate and amlodipine besylate in their combined dosage form by different spectrophotometric methods”

45- 2016: British Journal of Pharmaceutical Research Vol. 14, No. 4

page 1-11 .

“Simultaneous Determination of Ternary Mixture of Aspirin, Caffeine and Orphenadrine Citrate by Simple RP-TLC Spectrodensitometric Method”

46- 2016: Az. J. Pharm. Sci., Vol. 54 page 176-189.

“UV spectrophotometric methods for the simultaneous determination of amoxicillin and flucloxacillin.”

47- 2016: Az. J. Pharm. Sci., Vol. 54 page 190-204.

“Validated spectrophotometric methods for simultaneous determination of brinzolamide and timolol maleate in their pure form and ophthalmic preparation.”

48- 2017: Journal of AOAC INTERNATIONAL Vol. 100, No. 1 page 51-58.

“TLC-densitometric and RP-HPLC methods for simultaneous determination of Dexamethasone and Chlorpheniramine maleate in presence of methyl and propyl paraben”

49- 2017: Journal of AOAC INTERNATIONAL Vol. 100, No. 4 page 976-984 .

“Spectrophotometric Methods for Simultaneous Determination of Sofosbuvir and Ledipasvir (HARVONI Tablet): Comparative Study with Two Generic Products”

50- 2017: Journal of Pharmaceutical and Biomedical Analysis 145 page 386–398.

“Comparative stability-indicating chromatographic methods for determination of 4-Hexylresorcinol in pharmaceutical formulation and shrimps.”

51- 2017: International journal of Applied Pharmaceutical and Biological Research Vol.2 No. 5 page 10–19.

“Assessment of the oxidative degradation pathways for Triifluoperazine hydrochloride and isopropamide iodide through a validated SPE-HPLC methods and application in human plasma.”

52- 2017: Analytical Chemistry letters, Vol.7 No. 6 page 805-812.

“Validated TLC-densitometry method for simultaneous determination of brinzolamide and timolol maleate in their ophthalmic preparation.”

53- 2018: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (SAA), Vol. 188, page 619-625.

“Application of normal fluorescence and stability-indicating derivative synchronous fluorescence spectroscopy for the determination of gliquidone in presence of its fluorescent alkaline degradation product”.

54- 2018: Journal of Chromatographic Science, Vol. 56, No. 4, page 317-326.

“Stability indicating HPLC and HPTLC methods for determination of agomelatine and its degradation products”

55- 2018: Analytica Chimica Acta, Vol. 1005, page 70-80.

“Attenuated Total Reflectance Fourier Transformation Infrared Spectroscopy Fingerprinted Online monitoring of the kinetics of Circulating Butyrylcholinesterase enzyme during metabolism of bambuterol.”

56- 2018: Der Pharma Chemica, Vol. 10, No. 2, page 79-86

“Analytical Application of Different Spectrophotometric Methods for Simultaneous Determination of Norfloxacin and Tinidazole in their Pure Forms and their Pharmaceutical Preparation.”

57- 2018: Analytical Chemistry letters, Vol.8 No. 2 page 188-194.

“Rapid Selective TLC-Densitometry Method for Simultaneous Determination of Amoxicillin and Flucloxacillin in their Pure Forms or in their Pharmaceutical Preparation. ”

58- 2018: Separation Science Plus, Vol.1 No. 5 page 395-403.

“Chromatographic separation of vildagliptin and L-proline as in-process impurity with application of Youden’s test and statistical analysis for robustness testing of HPLC method”.

59- 2018: Analytical Chemistry letters Vol.8 No. 3 page 348-360.

“Stability testing followed by manipulating mean centering of ratio spectra and derivative ratio spectrophotometric methods for the determination of gliquidone in presence of its induced degradation products. ”

60- 2018: Brazilian Journal of Pharmaceutical Sciences, Vol.54 No. 3 page e00223.

“Forced degradation of gliquidone and development of validated stability-indicating HPLC and TLC methods”.

61- 2018: New Journal of Chemistry, Vol.42 No.12 page 9911-9919.

“Smart Electrochemical Sensing Platform for the Simultaneous Determination of Psychotic Disorders Drugs Isopropamide Iodide and Trifluoperazine Hydrochloride”.

62- 2018: *New Journal of Chemistry, Vol.42 No.18 page 15263-15269.*

“ISE-potentiometric sensor for the determination of zolmitriptan: Application in plasma, pharmaceutical formulation and in-vitro release profile”.

63- 2018: *Anal. Bioanal. Electrochem., Vol. 10, No. 11 page 1414 - 1425.*

“Functionalized β -cyclodextrin-based Potentiometric Membrane for the Selective Determination of Vildagliptin in Presence of its In-process Impurity”.

64- 2019: *Sensors and Actuators B: Chemical, Vol. 285, pages 216–223.*

“Inline potentiometric monitoring of Butyrylcholinesterase activity based on metabolism of bambuterol at the point of care”

65- 2019: *Chemical Papers, Vol. 73, No. 3 page 683-691.*

“Greenness assessment as per Eco-scale and AMVI metrics for the chromatographic assay of selected drugs in a semisolid dosage form and in tissues”

66- 2019: *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (SAA, Vol. 214, page 21-31.*

“Stability indicating spectrophotometric methods for quantitative determination of Carbamazepine and its degradation product, Iminostilbene, in pure form and pharmaceutical formulations”.

67- 2019: *Journal of Chromatography B, Vol. 1132, 121803*

“Determination of pioglitazone, its metabolite and alogliptin in human plasma by a novel LC-MS/MS method; application to a pharmacokinetic study”.

68- 2020: *Vibrational Spectroscopy Vol. 106, 102995*

“ATR-FTIR coupled with Chemometrics for quantification of vildagliptin and metformin in pharmaceutical combinations having diverged concentration ranges”.

69- 2020: *RSC Advances, Vol. 10, No. 12, page 7146-7154.*

“Chemical Fingerprinting and quantitative monitoring of the doping drugs bambuterol and terbutaline in human urine samples from ATR-FTIR data using PLSR chemometric tool”.

70- 2020: *Analytica Chimica Acta, Vol. 1117, page 60-73.*

“Surface enhanced infrared absorption spectroscopy (SEIRA) as a green analytical chemistry approach: Coating of recycled aluminum TLC sheets with citrate capped silver nanoparticles for chemometric quantitative analysis of ternary mixtures as a green alternative to the traditional methods.”

71- 2020: *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (SAA)*, Vol. 238, 118433.

“Stability Indicating Spectrophotometric Methods for Quantitative Determination of Bromazepam and its Degradation Product”.

72- 2020: *Journal of AOAC INTERNATIONAL* Vol. 103, No. 3 page 736-742.

“Chromatographic Separation of the Novel Hypoglycemic Drug Mitiglinide in its Bulk Powder and Pharmaceutical Formulation: Forced Degradation and Validated Stability-Indicating HPTLC/Densitometry and HPLC/UV Methods”.

73- 2020: *Journal of Chromatographic Science*, Vol. 58 No. 8, page 747-758.

“Stability indicating RP- HPLC and CE methods for simultaneous determination of bisoprolol and perindopril in pharmaceutical formulation: A comparative study”.

74- 2020: *JPC - Journal of Planar Chromatography*, Vol. 33 No. 3, page 219-229.

“Validation and Eco-scale assessment of Stability Indicating HPTLC method for Quantitative Analysis of Carbamazepine and its related substance; Iminostilbene, in Pure forms, Pharmaceutical Preparations and Spiked Human Plasma”.

75- 2020: *Bioanalysis*, Vol. 12 No. 21, page 1521-1533.

“US FDA-validated green GC–MS method for analysis of gabapentin, tramadol and/or amitriptyline mixtures in biological fluids”.

76- 2021: *Separations*, Vol. 8 No. 2 (21), page 1-20.

“ESI–LC–MS/MS for therapeutic drug-monitoring of binary mixture of Pregabalin and Tramadol: Human Plasma and Urine Applications”.

77- 2021: *Biomedical Chromatography*, Vol. 35 No. 4, page 1-10.

“Ecologically-evaluated and FDA-validated HPTLC Method for Assay of Pregabalin and Tramadol in Human Biological Fluids”.

78- 2021: *PLOS ONE*, 3, page 1-12.

<https://doi.org/10.1371/journal.pone.0244951>.

“Development and Validation of a Stability Indicating RP-HPLC-DAD Method for the Determination of Bromazepam”.

79- 2021: RSC Advances Vol. 11, page 13366-13375.

“Widening the applications of the Just-Dip-It approach: a solid contact screen-printed ion-selective electrode for the real-time assessment of pharmaceutical dissolution testing in comparison to off-line HPLC analysis”.

80- 2021: Microchimica Acta, Vol. 188 No. 6, Article number: 195 page 1-14.

“Optimization of localized surface plasmon resonance hot spots in surface enhanced infrared absorption spectroscopy aluminum substrate as optical sensor coupled to chemometric tools for the purity assay of quinary mixtures”.

81- 2021: Journal of Chromatographic Science, Vol. 59 No. 6, page 536-547.

“Green HPLC-DAD and HPTLC methods for quantitative determination of binary mixture of Pregabalin and Amitriptyline used for neuropathic pain management”.

82- 2021: Journal of AOAC INTERNATIONAL Vol. 104, No. 6 page 1719–1725.

“Separation and Determination of Diflunisal and its impurity by two chromatographic methods: TLC –densitometry and HPLC”.

83- 2022: Journal of AOAC INTERNATIONAL Vol. 105, No. 1 page 299–308.

“Development and validation of four spectrophotometric methods for assay of Rebamipide and its impurity: Application to tablet dosage form”.

84- 2022: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (SAA), Vol. 267, 120576.

“Advanced chemometric methods as powerful tools for impurity profiling of drug substances and drug products: Application on bisoprolol and perindopril binary mixture”.

85- 2022: Microchemical Journal Vol. 178, 107323.

“Novel Microfabricated Solid-contact Potentiometric Sensors doped with Multiwall Carbon-nanotubes for Simultaneous Determination of Bisoprolol and Perindopril in Spiked Human Plasma”.

86- 2022: RSC Advances, Vol. 12, page 9087–9094.

“Experimentally Designed Chemometric Models for the Assay of Toxic Adulterants in Turmeric Powder”.

87- 2022: Electrocatalysis, Vol. 13, page 567–579.

“Economical Voltammetric Sensor for Sensitive Rapid Determination of Ondansetron in the Presence of Opioid Antagonist Naltrexone”.

88- 2022: Microchemical Journal Vol. 182, 107859.

“Greenness assessment profile of a QbD screen-printed sensor for real-time monitoring of sodium valproate”.

89- 2022: BMC Chemistry 16:77, page 1-12.

“Experimentally designed electrochemical sensor for therapeutic drug monitoring of Ondansetron co-administered with chemotherapeutic drugs”.

90- 2022: BMC Chemistry 16:108, page 1-11.

“Validated HPLC-PDA methodology utilized for simultaneous determination of Etoricoxib and Paracetamol in the presence of Paracetamol toxic impurities”.

91- 2023: Talanta 254, 124151 page 1-8.

“Point-of-care electrochemical sensor for selective determination of date rape drug “ketamine” based on core-shell molecularly imprinted polymer”.

92- 2024: Talanta 267, 125238 page 1-11.

“Eco-friendly electrochemical sensor for determination of conscious sedating drug “midazolam” based on Au-NPs@Silica modified carbon paste electrode”.

c) Training and Attendance of conferences :

- Training course in computer science.
- Teaching and Educational course – Cairo University.
- TOEFL course (2006).
- Different cycles of Faculty and leadership development project FLDP (2004-2015) such as effective presentation skills, thinking skills, New trends in teaching and Communication skills, Funds project, International Publication, Credit hours program
- The first International conference for Pharmacy Science –Tanta University 18-19/11/2009
- The thirteenth conference of the scientific society of colleges of pharmacy in the Arab world 25-27/5/2010
- The third conference of the Faculty of Pharmacy - Cairo University 25-26/4/2012
- The fourth conference of the Faculty of Pharmacy - Cairo University 2٤-2٥/4/201٣

- The sixth conference of the Faculty of Pharmacy - Cairo University 25-26/4/2015
- The seventh conference of the Faculty of Pharmacy - Cairo University ١٦-١٧/4/201٦
- Conference of the Egyptian Pharmaceutical Association 23-24/12/2017
- The second conference of the Faculty of Pharmacy - Ain Shams University 13-15/11/2018
- The 10th international scientific conference of the faculty of Pharmacy - Cairo University ٦-٧/7/2021
- Workshop entitled" Applications of Molecular Docking in drug Design and Development" 3/10/2021
- University Leaders Programme Upskilling for leaders at AARU member universities “High Performance Collaboration: Leadership, Teamwork, and Negotiation” from 12/10/2021 to ٢٩/1٢/202١
- University Leaders Programme Upskilling for leaders at AARU member universities “Create Informative Presentations with Google Slides” 30/10/2021
- University Leaders Programme Upskilling for leaders at AARU member universities “Engaging and Assessing Students with Plickers” 1/11/2021
- University Leaders Programme Upskilling for leaders at AARU member universities “Introduction to Project Management with ClickUp” ٢/11/2021
- University Leaders Programme Upskilling for leaders at AARU member universities “Spreadsheets for Beginners using Google Sheets” ٢/11/2021
- University Leaders Programme Upskilling for leaders at AARU member universities “Team leadership” 8/11/2021 to 25/2/2022
- University Leaders Programme Upskilling for leaders at AARU member universities “How to Write and Publish a Scientific Paper” 25/11/2021 to 3/1/2022
- University Leaders Programme Upskilling for leaders at AARU member universities “Assessment in Higher Education: Professional Development for Teachers” 1/12/2021 to 5/1/2022
- University Leaders Programme Upskilling for leaders at AARU member universities “Creating Dashboards and Storytelling with Tableau” 16/12/2021 to 18/2/2022

	<ul style="list-style-type: none"> ▪ MIU Senior conference 22 “Navigating to The Future” 7/8/2022 ▪ The 1st international scientific conference of the faculty of Nursing - October 6 University 13-14/12/2022
V- Awards:	<ul style="list-style-type: none"> ▪ International Publishing Prize - Cairo University 2007, 2009, 2010, 2011, 2012, 2013, 2015, 2016, 2017, 2018, 2019 ▪ The best master's thesis award for the pharmacist Ali Mohamed Abdel-Tawab 2008/2009, in the Department of Analytical Chemistry under my supervision Faculty of Pharmacy, Cairo University ▪ Award for best research not extracted from a thesis in the Department of Analytical Chemistry 2015 Faculty of Pharmacy, Cairo University ▪ International Publishing Prize - October University 2021.
VI- Memberships in the committee:	<ul style="list-style-type: none"> ▪ The General Syndicate for Pharmacists in Egypt since 1996 ▪ Cairo Pharmacists Syndicate since 1996 ▪ Faculty members club since ٢٠٠٣
VII- Other activities:	<ul style="list-style-type: none"> ▪ Participating in the refereeing of analytical chemistry research in many international journals ▪ Scientific of MA and PhD theses ▪ Scientific discussions committee of MA and PhD theses ▪ Scientific committee arbitration for Professor and assistant Professor promotion ▪ Member of the committee for updating the college website on the Faculty of Pharmacy - Cairo University 2009/2010 ▪ Assistant Vice Dean for Student Affairs for the academic year 2010/2011 ▪ Member of the expert committee to develop proposals to amend the law organizing universities - Faculty of Pharmacy - Cairo University 2012/2013 ▪ Member of the Ethics Committee for Scientific Research - Faculty of Pharmacy - Cairo University 2012/2013 ▪ Associate Editor for journal BFOPCU 2016-2020 ▪ Vice President of the Department of Analytical Chemistry 2017 ▪ Member of the referees committee to examine the scientific production to fill the positions of Professors and assistant Professors. ▪ Member of the International Publishing Committee - October 6 University 2019 ▪ Member of the Ethical Committee for Bioequivalence Studies at the Center for Applied Research and Advanced Studies - Faculty of Pharmacy - Cairo University