CURRICULUM VITAE

NAME	Sayed Mohamed Sayed Ali Derayea
Date of birth	May 10, 1968
Place of birth	Assuit
NATIONALITY	Egyptian
Marital status	Married + children
Military service	Completed
Address	Assuit – Manfalout – Bani Adi El-bahareya
Current	Associate professor in the Department of Analytical
occupation	Chemistry, Faculty of Pharmacy, Minia University
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Qualifications	
Quaimcations	
Doctor of	Ph.D. in Pharmaceutical Sciences (Pharmaceutical Analytical
pnilosopny	Chemistry) entitled "Drug Binding and Metabolizing Properties
	of Human CYP2C19 and Its SNP Mutants" Kumamoto
	University, Kumamoto (Japan), Sept. 2007.
Master	M Sc. in Pharmaceutical Sciences (Pharmaceutical Analytical
	Chemistry)entitled "Utility of Haematoxylin and Ouercetin in
	the Analysis of Certain β-adrenergic Blocking Agents"
	Faculty of Pharmacy Assiut University Egypt April 1998
	rueur, or mainue, rissia eniversity, Egypt. April 1990.
Bachelor	B.S.: Pharmaceutical Sciences., Very Good with Degree of Honour.
	Faculty of Pharmacy, Assiut University, Egypt. May, 1991.

Positions	
Demonstrator	Demonstrator in Pharmaceutical Chemistry department, Al-
	Azhar University at Assiut branch, Egypt. Jan, 1994 – July,
	1998
Associate Lecturer	Associate Lecturer, in Pharmaceutical Chemistry Department,
	Al-Azhar University at Assiut branch, Egypt. August, since
	1998 till Aprile,1999. During this p
	Associate Lecturer in the Department of Analytical Chemistry,
	Faculty of Pharmacy, Minia University, Egypt. May, 1999 –
	Nov, 2007
Lecturer	Lecturer in the Department of Analytical Chemistry, Faculty
	of Pharmacy, Minia University, Egypt. Dec, 2007 – Nov.
	2014.
Assistant professor	Associate professor in the Department of Analytical
	Chemistry, Faculty of Pharmacy, Minia University, Egypt.
	Dec, 2014 – to date

Positions and Activities

- Head of the Analytical Chemistry Department, Faculty of Pharmacy, Minia University from Jan. 2015 till now.
- A member of the Faculty of Pharmacy committee, Minia University from 2014 till now.
- A member of the quality assurance and accreditation committee at Minia University from 2014 Dec. 2016.
- Deputy Executive Director of Quality Assurance Unit in Faculty of Pharmacy Minia University 2014-2015.
- Executive Director of Quality Assurance Unit in Faculty of Pharmacy Minia University 2014-2015.
- Executive Director of quality assurance Unit in Faculty of Pharmacy Minia University from 26/3/2017 to 20/12/2016.

FELLOWSHIPS

- Scholarship for Ph.D. Study in Kumamoto, Japan sponsored by the Ministry of High Education, Egypt, from June 28, 2003 till Oct, 2007.
- Post Doctor fellowship for research study in Osaka University, Japan, sponsored by the Ministry of High Education, Egypt, in the period from Dec. 20, 2016 till June 19, 2017

TEACHING EXPERIENCE

- 1. Teaching the practical quantitative analytical chemistry courses for undergraduate pharmacy students in Al-Azhar University at Assiut, Assiut, Egypt.
- 2. Teaching the practical qualitative analytical chemistry courses for undergraduate pharmacy students in Al-Azhar University, Assiut, Egypt.
- 3. Teaching the practical quantitative analytical chemistry courses for undergraduate pharmacy students in Kumamoto University, Kumamoto, Japan.
- 4. Teaching of instrumental analysis courses for undergraduate pharmacy students in Minia University, Minia, Egypt.
- 5. Teaching of instrumental analysis courses for post-graduate pharmacy students in Minia University, Minia, Egypt.
- 6. Teaching of elective courses (analytical chemistry) for fourth grad pharmacy students in Minia University, Minia, Egypt.
- 7. Teaching of special coerces (Analytical chemistry) for M.Sc. students, faculty of pharmacy, Minia University, Minia, Egypt.
- 8. Teaching of analytical chemistry courses (analytical chemistry 1, analytical chemistry 1, instrumental analysis and quality control) for clinical pharmacy students in faculty of pharmacy, Minia University, Minia, Egypt.

MAJOR RESEARCH/TECHNOLOGY TOPICS OF INTEREST

- **1.** In vitro study on the effect of the different mutants of the CYP enzymes on dug metabolism in humans using recombinant enzymes .
- **2**. Development and validation of separation methods (HPLC, TLC and CE) for the analysis of the pharmaceutically active compounds and their degradation products.
- **3.** Development and validation of fluorimetric and spectrophotometric methods for the determination of pharmaceutical compounds in pure forms, pharmaceutical dosage forms and biological fluids.

- **4.** The use of different electrochemical methods as a fast approach for the analysis of different pharmaceutical candidates in pure forms and commercial dosage forms.
- 5. Quality control for the analysis of drugs in dosage forms or/and in biological fluids.

MEMBERSHIP OF SOCITIES AND COMMITTES

- 1. Egyptian Syndicate of Pharmacists, July 1991 to date.
- 2. Minia University staff members club, Jan 1999 to date.

LIST OF PUBLICATIONS

- H.F. Askal, O.H. Abdelmegeed, S.M.S. Ali, M.A. El-Hamd, Spectrophotometric and spectrofluorimetric Determination of 1,4-dihydropyridine drugs using Potassium permanganate and cerium (iv) ammonium Sulphate, Bull. Pharm. Sci., Assiut University, 33 (2010) 201-215.
- [2] T.Z. Attia, T. Yamashita, M. Miyamoto, A. Koizumi, Y. Yasuhara, J.-i. Node, Y. Erikawa, Y. Komiyama, C. Horii, M. Yamada, Comparison of cytochrome p450 mediated metabolism of three central nervous system acting drugs, Chemical and Pharmaceutical Bulletin, 60 (2012) 1544-1549.
- [3] B.A.A. Balboul, A.M. El-Roudi, E.S. Mohamed, S.M. Derayea, O.H. Abdelmageed, Synthesis, characterization, spectrofluorometric and antibacterial activity studies of moxifloxacin- zirconium complex, Egyptian Journal of Chemistry, 55 (2012) 15–31.
- [4] S.M. Derayea, H.F. Askal, O.H. Abdel-Megeed, M.A. El Hamd, Spectrophotometric determination of amlodipine and nicardipine in pharmaceutical formulations via binary complex formation with eosin Y, Journal of Applied Pharmaceutical Science, 2 (2012) 84-89.
- [5] S.M. El-Gizawy, O.H. Abdelmageed, M.A. Omar, S.M. Deryea, A.M. Abdel-Megied, Development and Validation of HPLC Method for Simultaneous Determination of Amlodipine, Valsartan, Hydrochlorothiazide in Dosage Form and Spiked Human Plasma, American Journal of Analytical Chemistry, 3 (2012) 422-430.
- [6] G.A. Saleh, I.H. Badr, S.M. Derayea, D.A. El-Deen, Batch and flow injection potentiometric monitoring of ceftriaxone sodium in pharmaceutical preparations using two novel membrane sensors, Bulletin of Pharmaceutical Sciences, 35 (2012) 199-214.
- [7] M.A. El Hamd, S.M. Derayea, O.H. Abdelmageed, H.F. Askal, A novel spectrophotometric method for determination of five 1, 4-dihydropyridine drugs in their tablets and capsules using vanillin reagent, American Journal of Analytical Chemistry, 4 (2013) 148.
- [8] M.A. El Hamd, S.M. Derayea, O.H. Abdelmageed, H.F. Askal, Spectrophotometric method for determination of five 1, 4-dihydropyridine drugs using N-bromosuccinimide and indigo carmine dye, International Journal of Spectroscopy, 2013 (2013).
- [9] M.A. El Hamd, S.M. Derayeac, O.H. Abdelmageedd, H.F. Askale, Colorimetric method for determination of some 1, 4-dihydropyridine drugs in their tablets and capsules, Journal of Advances in Chemistry, 4 (2013).

- [10] S.M. Gizawy, L.I. Bebawy, O.H. Abdelmageed, M.A. Omar, S.M. Deryea, A.M. Abdel-Megied, High performance liquid chromatography, TLC-densitometry, and firstderivative spectrophotometry for simultaneous determination of amlodipine and perindopril in bulk powder and its tablets, Journal of Liquid Chromatography & Related Technologies, 36 (2013) 1323-1339.
- [11] M.A. Omar, O.H. Abdelmageed, S.M. Derayea, T. Uno, T.Z. Atia, Spectrofluorimetric determination of certain antidepressant drugs in human plasma, Journal of Analytical Science and Technology, 4 (2013) 5.
- [12] T.Z. Attia, T. Yamashita, M.A. Hammad, A. Hayasaki, T. Sato, M. Miyamoto, Y. Yasuhara, T. Nakamura, Y. Kagawa, H. Tsujino, Effect of cytochrome P450 2C19 and 2C9 amino acid residues 72 and 241 on metabolism of tricyclic antidepressant drugs, Chemical and Pharmaceutical Bulletin, 62 (2014) 176-181.
- [13] S. Derayea, S. Mohamed, Validated selective spectrophotometric methods for the kinetic determination of desloratidine in tablets and in the presence of its parent drug, Pakistan journal of pharmaceutical sciences, 27 (2014).
- [14] S.M. Derayea, An application of eosin Y for the selective spectrophotometric and spectrofluorimetric determination of mebeverine hydrochloride, Analytical Methods, 6 (2014) 2270-2275.
- [15] S.M. Derayea, I.M. Mostafa, M.A. Omar, Spectrofluorimetric and TLC-densitometric methods for a stability indicating assay of valacyclovir hydrochloride in the presence of its degradation product, RSC Advances, 4 (2014) 42308-42315.
- [16] S.M. El-Gizawy, O.H. Abdelmageed, S.M. Derayea, M.A. Omar, A.M. Abdel-Megied, Chiral separation of perindopril erbumine enantiomers using high performance liquid chromatography and capillary electrophoresis, Analytical Methods, 6 (2014) 825-830.
- [17] G.A. Saleh, S.M. Sayed, D.A. El-Deen, I.H. Badr, A novel membrane sensor for batch and flow injection potentiometric determination of cefazolin sodium in pharmaceutical preparations, International Journal Of Electrochemical Science, 9 (2014) 1621 1636.
- [18] S.F. Saleh, S.M. Dereaya, M. Omar, Stability indicating HPTLC determination of mefenamic acid in bulk drug and pharmaceutical formulations, Int J Chem Anal Sci, 5 (2014) 55-60.
- [19] S.F. Saleh, M.A. Omar, S.M. Derayea, Validated Stability-indicating HPTLC Determination of Baclofen in Bulk Drug, Pharmaceutical Formulations and Real Human Urine and Plasma, Journal of Advances in Chemistry, 8 (2014).
- [20] F. Belal, M.A. Omar, S. Derayea, S. Zayed, M.A. Hammad, S.F. Saleh, Simultaneous determination of paracetamol, caffeine and codeine in tablets and human plasma by micellar liquid chromatography, European Journal of Chemistry, 6 (2015) 468-474.
- [21] S.M. Derayea, M.A. Omar, I.M. Mostafa, M.A. Hammad, Enhancement of the sensitivity of valacyclovir and acyclovir for their spectrofluorimetric determination in human plasma, RSC Advances, 5 (2015) 78920-78926.
- [22] M. El Hamd, A. Abdellatif, S. Derayea, O. Abdelmageed, H. Askal, Spectrophotometric Determination of Nifedipine and Nicardipine in their Pharmaceutical Preparations, Industrial Chemistry, (2015).
- [23] M.A. Omar, H.M. Ahmed, M.A. Hammad, S.M. Derayea, Validated spectrofluorimetric method for determination of selected aminoglycosides, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 135 (2015) 472-478.
- [24] M.A. Omar, S.M. Derayea, I.M. Mostafa, Development and validation of a stabilityindicating spectrofluorimetric method for the determination of H1N1 antiviral drug

(oseltamivir phosphate) in human plasma through the Hantzsch reaction, RSC Advances, 5 (2015) 27735-27742.

- [25] S. Derayea, M. Omar, B. Mohammed, R. Ali, Sensitive spectrofluorimetric protocol for the determination of fluoxetine and paroxetine through binary complex formation with eosin Y, Analytical Chemistry Letters, 6 (2016) 508-517.
- [26] S.M. Derayea, H.M. Ahmed, O.H. Abdelmageed, A.M. Haredy, New valid spectrofluorimetric method for determination of selected cephalosporins in different pharmaceutical formulations using safranin as fluorophore, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 153 (2016) 655-660.
- [27] S.M. Derayea, M.A. Omar, M.A.-K. Abdel-Lateef, Nano-level detection of certain betablockers based on surface plasmon resonance band of silver nanoparticles; Application to content uniformity test, Asian Journal of Pharmaceutical Analysis, 6 (2016) 193-200.
- [28] S.M. Derayea, M.A. Omar, M.A.-K. Abdel-Lateef, A.I. Hassan, Development and validation of a new spectrofluorimetric method for the determination of some betablockers through fluorescence quenching of eosin Y. Application to content uniformity test, Open Chemistry, 14 (2016) 258-266.
- [29] M.A. Omar, M.A. Hammad, B.I. Salman, S.M. Derayea, Highly sensitive spectrofluorimetric method for determination of doxazosin through derivatization with fluorescamine; Application to content uniformity testing, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 157 (2016) 55-60.
- [30] M.A. Omar, A.-M.I. Mohamed, S.M. Derayea, M.A. Hammad, A.A. Mohamed, Specific and highly sensitive spectrofluorimetric method for determination of febuxostat in its tablets and real human plasma. Application to stability studies, RSC Advances, 6 (2016) 73432-73439.
- [31] A.M. Abdel-Megied, S.M. El-Gizawy, O.H. Abdelmageed, M.A. Omar, S.M. Derayea, H.Y. Aboul-Enein, A Validated Enantioselective HPLC Method for Assay of S-Amlodipine Using Crown Ether as a Chiral Stationary Phase, Current Analytical Chemistry, 13 (2017) 117-123.
- [32] H.R.H. Ali, R. Ali, H.A. Batakoushy, S.M. Derayea, Solid-State FTIR Spectroscopic Study of Two Binary Mixtures: Cefepime-Metronidazole and Cefoperazone-Sulbactam, Journal of Spectroscopy, 2017 (2017).
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- [34] H.A. Aziz, G.A.I. Moustafa, S.H. Abbas, S.M. Derayea, G.E.-D.A.A. Abuo, New norfloxacin/nitric oxide donor hybrids: Synthesis and nitric oxide release measurement using a modified Griess colorimetric method, European Journal of Chemistry, 8 (2017) 119-124.
- [35] F. Belal, M.A. Omar, S. Derayea, M.A. Hammad, S. Zayed, S.F. Saleh, Simultaneous determination of tizanidine, nimesulide, aceclofenac and paracetamol in tablets and biological fluids using micellar liquid chromatography, Journal of chromatographic science, 56 (2017) 233-241.
- [36] S.M. Derayea, H.R.H. Ali, A.A. Hamad, R. Ali, Application of silver nanoparticles for the spectrophotometric determination of three benzimidazole anthelmintic drugs in their pharmaceutical preparations, Journal of Applied Pharmaceutical Science, 7 (2017) 076-082.

- [37] S.M. Derayea, K.M. Badr El-Din, F.F. Mohammed, Selective spectrofluorimetric method for determination of Lisinopril in pharmaceutical preparations and in presence of hydrochlorothiazide: Application to content uniformity testing, Luminescence, 32 (2017) 1482-1487.
- [38] S.M. Derayea, M.A. Omar, M.A. Hammad, Y.F. Hassan, Application of surface plasmon resonance of citrate capped silver nanoparticles for the selective determination of some fluoroquinolone drugs, Journal of Applied Pharmaceutical Science, 7 (2017) 016-024.
- [39] M.A. El-Hamd, R. Ali, A.M. Haredy, H.M. Ahmed, S.M. Derayea, O.H. Abdelmageed, Application of Hantzsch Reaction as a New Method for Spectrofluorimetric Determination of Some Cephalosporins, Journal of Applied Pharmaceutical Science, 7 (2017) 147-155.
- [40] M.A. Omar, O.H. Abdelmageed, S.M. Derayea, T.Z. Attia, Spectrofluorimetric protocol for antidepressant drugs in dosage forms and human plasma through derivatization with dansyl chloride, Arabian Journal of Chemistry, 10 (2017) S3197-S3206.
- [41] M.A. Omar, S.M. Derayea, I.M. Mostafa, Selectivity improvement for spectrofluorimetric determination of oseltamivir phosphate in human plasma and in the presence of its degradation product, Journal of fluorescence, 27 (2017) 1323-1330.
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- [43] S.M. Derayea, T.Z. Attia, M. Elnady, Development of spectrofluorimetric method for determination of certain antiepileptic drugs through condensation with ninhydrin and phenyl acetaldehyde, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 204 (2018) 48-54.
- [44] S.M. Derayea, T.Z. Attia, M. Elnady, The utility of acetylbutyrolactone for spectrofluorimetric determination of two gamma-aminobutyric acid analogues, Journal of advanced Biomedical and Pharmaceutical Sciences, 1 (2018) 6-12.
- [45] S.M. Derayea, K.M.B. El-din, F.F. Mohammed, An innovative validated spectrofluorimetric method for determination of Lisinopril in presence of hydrochlorothiazide; application to content uniformity testing, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 188 (2018) 318-323.
- [46] S.M. Derayea, A.A. Hamad, D.M. Nagy, D.A. Nour-Eldeen, H.R.H. Ali, R. Ali, Improved spectrofluorimetric determination of mebendazole, a benzimidazole anthelmintic drug, through complex formation with lanthanum (III); Application to pharmaceutical preparations and human plasma, Journal of Molecular Liquids, 272 (2018) 337-343.
- [47] S.M. Derayea, D.M. Nagy, Application of a xanthene dye, eosin Y, as spectroscopic probe in chemical and pharmaceutical analysis; a review, Reviews in Analytical Chemistry, 37 (2018).
- [48] S.M. Derayea, M.A. Omar, A.A. Abu-Hassan, Studying the association complex formation of atomoxetine and fluvoxamine with eosin Y and its application in their fluorimetric determination, Royal Society open science, 5 (2018) 170943.
- [49] A.A. Hamad, R. Ali, H.R.H. Ali, D.M. Nagy, S.M. Derayea, Facile complexation reactions for the selective spectrofluorimetric determination of albendazole in oral dosage forms and spiked human plasma, RSC Advances, 8 (2018) 5373-5381.

- [50] A.-M.I. Mohamed, M.A. Omar, S.M. Derayea, M.A. Hammad, A.A. Mohamed, Innovative thin-layer chromatographic method combined with fluorescence detection for specific determination of Febuxostat: Application in biological fluids, Talanta, 176 (2018) 318-328.
- [51] A.-M.I. Mohamed, M.A. Omar, S.M. Derayea, M.A. Hammad, A.A. Mohamed, Validated thin-layer chromatographic method for alternative and simultaneous determination of two anti-gout agents in their fixed dose combinations, Open Chemistry, 16 (2018) 496-510.
- [52] F.F. Mohammed, K.M.B. El-Din, S.M. Derayea, Switch on fluorescence probe for the selective determination of lisinopril in pharmaceutical formulations: application to content uniformity testing, RSC Advances, 8 (2018) 16269-16277.
- [53] I.M. Mostafa, S.M. Derayea, D.M. Nagy, M.A. Omar, Benzofurazan-based fluorophore for the selective determination of flupentixol dihydrochloride: Application to content uniformity testing, Luminescence, 33 (2018) 1026-1032.
- [54] I.M. Mostafa, S.M. Derayea, D.M. Nagy, M.A. Omar, An experimental ninhydrin design approach for the sensitive spectrofluorimetric assay of milnacipran in human urine and plasma, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 205 (2018) 292-297.
- [55] I.M. Mostafa, M.A. Omar, D.M. Nagy, S.M. Derayea, Analysis of quetiapine in human plasma using fluorescence spectroscopy, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 196 (2018) 196-201.
- [56] I.M. Mostafa, M.A. Omar, D.M. Nagy, S.M. Derayea, Utility of the chromogenic and fluorogenic properties of benzofurazan for the assay of milnacipran in human urine and plasma, RSC Advances, 8 (2018) 22154-22160.
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- [59] M.A. Omar, A.-M.I. Mohamed, S.M. Derayea, M.A. Hammad, A.A. Mohamed, An efficient spectrofluorimetric method adopts doxazosin, terazosin and alfuzosin coupling with orthophthalaldehyde: Application in human plasma, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 195 (2018) 215-222.
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CONFERENCES AND PRESENTATIONS

- 1. Assiut University third Pharmaceutical Sciences Conference, Assiut, Egypt, 5-6 Marsh, 2002.
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