



## CURRICULUM VITAE

### PERSONAL INFORMATION



**Name:** Shereen Mohamed Galal El- Din Ibrahim Fahmy

**Nationality:** Egyptian

**Marital Status:** Married

**Date of Birth:** 6 / 6 / 1959

**Place of Birth:** Alexandria

**Foreign Language:** English

**Present Profession:** Professor

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### Scientific Degrees :

Ph. D. Pharmaceutical Analytical Chemistry,  
University of Alexandria, Alexandria, Egypt,  
*"Assay of Certain Antibiotics in The Presence of Their  
Degradation Products in Different Dosage Forms"*  
*"November/29/1988".*

M. Sc. Pharmaceutical Analytical Chemistry,  
University of Alexandria, Alexandria, Egypt,  
*"Use of Electron Transfer Reactions For  
Derivatization and Analysis of Some Nitrogenous  
Bases" August/28/1984.*

B. Sc. Pharmaceutical Sciences, University of  
Alexandria, Alexandria, Egypt  
*September 1981*

**Professional Carrier :**

July 2009 – November 2010

**PROFESSOR**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Egypt.

September 2001-June 2009  
December 1993-September 1995

**ASSISTANT PROFESSOR**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Alexandria,  
Egypt.

September 1995 –September 2001

**ASSISTANT PROFESSOR**

College of Health Sciences,  
Female, Abha, KSA., ,

December 1988 – December 1993

**LECTURER**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Alexandria,  
Egypt.

September 1984 – December  
1988

**Assistant Lecturer**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Alexandria,  
Egypt.

September 1981- September 1984

**Demonstrator**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Alexandria,  
Egypt.

### **Scientific and professional activity :**

- 1- Courses taught for undergraduate students in Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt:
  - Qualitative Analytical Chemistry.
  - Quantitative Analytical Chemistry.
  - Gravimetric Analysis.
  - Applied Analytical Chemistry (water and lipid analyses)
  - Pharmaceutical Analysis.
  - Instrumental Analysis.
- 2- Courses taught for postgraduate students in Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt:
  - Quantitative NMR.
  - Medicinal Chemistry.
- 3- Courses taught for undergraduate students in College of Health Sciences for Females, Abha, KSA (1995-2001)
  - General Chemistry.
  - Qualitative Analysis.
  - Quantitative Analysis
- 4- Academic advisor for pharmacy students.
- 5- Supervision of undergraduate students during summer pharmacy practice.
- 6- **Publications** : 30 scientific research papers are published in an inter-National or national journals in the field of drug analysis.
- 7- **Supervision of scientific theses** : One Master theses and two Ph. D. Theses.

### **Training Courses:**

- "Time management and work Pressure (P3)", Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt, December/04-07/2004.
- "Decision Making and Problem solving (L3)", Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt, March/26-29/2005.
- Seminar and Workshop series on "The Scientific Uses of Informatics", Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, Feb./21-24/2005.
- "Modern Trains in Teaching (T2)", Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt, April/16-19/2005.
- "Professional Ethics in Universities (P4)", Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt May/14-16/2005.
- "Teaching with Technology (T3)", Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt, December/10-13/2005.
- "Administrive Skills (P2)", Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt May/21-24/2005.
- Workshop on "Course Specification", Quality Assurance Unite, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, Dec. 2004.

## **SUPERVISED SCIENTIFIC THESES**

### **A- MASTER THESES :**

- 1- Master thesis of the pharmacist "Marwa Adel Abdel – Latif Ragab  
Title: "Analysis of Some Selected Drugs in the Management of  
Inflammation and Musculoskeletal Disorders" accepted in April /  
2005.
- 2 - Master thesis of the pharmacist "Aya Refaat Abdel – Hamed  
Ahmed .Title: "Analysis of Some polycyclic and / or polyhydroxy  
compounds in different pharmaceutical matrices. accepted in  
August / 2018.

### **B- Ph. D. THESES :**

- 1- Ph.D. Thesis of the Assistant Lect. "Azza A. Gazy"  
Title: "Analysis of Certain Guanidino Compounds of  
Pharmaceutical interest" accepted in Feb./08/1993.
- 2- Ph.D. Thesis of the Assistant Lect. "Marwa Adel Abdel- Latif  
Ragab"  
Title: "Analysis of Some Pharmaceutical Matrices using Emerging  
Techniques" accepted in October /2010.
- 3- Ph.D. Thesis of the Assistant Lect. " Aya Refaat Abdel – Hamed  
Ahmed"  
Title: "Electrochemical and chromatographic based techniques for  
the analysis of nitrogenous drugs in combination therapy" under  
supervision .

## LIST OF PUBLICATIONS

1. Spectroscopic Investigation of the Antazoline-p-Chloranilic Acid Reaction Product. *Spectroscopy Letters*, 17(12), 803-813, (1984).  
Mahmoud A. Elsayed, Mohamed E. Abdel Hamid, Mohamed A. Abdel Hay and **Shereen M. Galal**.
2. Colorimetric Determination of some B-adrenergic blocking drugs in tablets. *J. Pharm. Belg.*, 40(3),178-184 (1985). M.A.Korany, M.H. Abdel-Hay, **Shereen M. Galal** and M.A. el-Sayed.
3. P-Chloranilic – Acid as a Reagent for Determining Some Nitrogenous Basic Compounds. *Alex. J. Pharm. Sci.*, 1(1), 11-15, (1987).  
Mohamed H. Abdel Hay, Mohamed A. Korany, **Shereen M. Galal** and Mahmoud A. E
4. Utility of Derivative Spectrophotometry for the Determination of Certain Cephalosporins and Their Alkali-Induced Degradation Products in Combination. *Analytical Letters*, 22(1), 141-157 (1989).  
Mohamed A. Korany, M. Abdel-Hady El-Sayed and **Shereen M. Galal**.
5. Use of Second Derivative Spectrophotometry for the Determination of Certain Cephalosporins and Their Acid-Induced Degradation Products in Combination. *Analytical Letters*, 22(1), 159 – 175 (1989).  
Mohamed A. Korany, M. Abdel-Hady El-Sayed and **Shereen M. Galal**.
6. Utility of The Least Squares Method in the PMR Spectrometric Assay of Chloramphenicol and Streptomycin with Their Degradation Products. *Spectroscopy Letters*, 22(3), 239 -267 (1989).  
M. Abdel-Hady El-Sayed, Mohamed A. Korany, Nargues S. Habib and **Shereen M. Galal**.
7. Fluorescence Quenching Method for The Assay of Three Cephalosporins Using The Combined Trigonometric Function of Fourier Series. *Spectroscopy Letters*, 22(5), 619 – 639 (1989).  
Mohamed A. Korany, M. Abdel-Hady El-Sayed and **Shereen M. Galal**.
8. Assay For Amoxycillin in Urine Using Derivative Spectrophotometry. *Journal of Clinical Pharmacy and Therapeutics*, 17, 101-105(1992).  
A.M. ElWalily, M. Abdel-Hady El-Sayed, M.A. Korany and **Shereen M. Galal**.

9. Colorimetric Determination of Five Cephalosporins Using Mercurochrome. *Acta Pharm. Jugosl.*, 41, 25-31 (1991)  
**Shereen M. Galal**
10. Derivative Spectrophotometric Determination of Antiprotozoal Drugs in Two-Component Tablet preparation. *J. Pharm. Belg.*, 46,5,315-319 (1991). **S.M.Galal**, M.M.Bedair and M.A. El-Sayed.
11. Second-Derivative Spectrophotometric Determination of Some Weakly Absorbing Drugs in Their Formulation. *Alex. J. Pharm. Sci.*,5(2),143-146(1991).  
Mona M. Bedair, Fawzy A . El- Yazbi and **Shereen M. Galal**.
12. Comparative spectrophotometric Analysis of Rifampicin by Chelate Formation and Charge-Transfer Complexation . *Analytical Letters* 25(4),725-743(1991).  
**Shereen M. Galal**, Salah M. Blaih and Mohamed E. Abdel-Hamid.
13. Determination of B-Adrenergic Blocking Drugs in Tablets using 2,3-Dichloro-1,4-Naphthoquinone. *Sci. Pharm.*,60,235-238(1991).  
M.M.Bedair., **S.M.Galal**. and F.A. El-Yazbi.
14. Spectrofluorimetric Determination of Guanethidine Sulphate, Guanoxane sulphate and Amiloride Hydrochloride in Tablets and in Biological fluids using 9,10-Phenanthraquinone. *Talanta*, 39, 1369-1375(1992). Mohamed H. Abael-Hay, **Shereen M. Galal**, Mona M. Bedair, Azza A. gazy and Abdl-Aziz M. Wahbi.
15. Spectrophotometric and Spectrofluorimetric Determination of Amiloride Hydrochloride in Tablets and in Biological Fluids. *S.T.P. Pharma Sciences* 3(2),182-188(1993).  
A.A.M. Wahbi, M.M.Bedair, **S.M. Galal** and A.A.gazy.
16. Determination of Some 1,4-Benzodiazepines by Oxidative Coupling of Their Acid-Induced degradation Products. *Bull. Soc. Chim. Belg.*, 102(4), 233-237 (1993). Fawzy A. El-Yazbi, **Shereen M. Galal** and Salah M.Blaih.

17. Spectrofluorimetric Determination of Guanethidine Sulphate, Guanfacine Hydrochloride, Guanoclor Sulphate and Guanoxan Sulphate in Tablets and Biological Fluids, Using Benzoin. *Mikrochim. Acta*, 111, 83-91(1993). Abdel-Aziz M. Wahbi, Mona M. Bedair, **Shereen M. Galal** , Mohamed H. Abdel-Hay and Azza A. Gazy.
18. Spectrophotometric Analysis of Some Guanidino Drugs by Acid-Dye and Charge Transfer Complexation Methods. *J. Pharm. & Biomed. Anal.*, 11(8), 639-645 (1993), Abdel-Aziz M. Wahbi, Mona M. Bedair, **Shereen M. Galal** and Azza A. Gazy.
19. Spectrofluorimetric and colorimetric Determination of Isoxsuprine Hydrochloride in Tablets. *Alex. J. Pharm. Sci.*, 7(2), 167-170 (1993). **Shereen M. Galal** and Salah M. Blaih.
20. Difference Spectrophotometric Determination of Guanoclar Hemisulphate. *Alex. J. Pharm. Sci.*, 7(2), 124-127 (1993). **Shereen M. Galal**, Mona M. Bedair, Azza A. Gazy and Abdel Aziz M. Wahbi.
21. Determination of Allopurinol and Benzbromarone in Two component Mixture using High – Performance Liquid Chromatography and Derivative Spectrophotometry. *S. T.P. Pharma Sciences*, 3(5), 408-412 (1993). Salah M. Blaih and **Shereen M. Galal**.
22. Colorimetric Determination of Guanethidine Sulfate, Guanoxan sulfate and Amiloride Hydrochloride in Tablets. *Microchemical Journal*, 50, 94 – 100 (1994). Mona M. Bedair, **Shereen M. Galal**, Azza A. Gazy and Abdel Aziz M. Wahbi, Mohamed H. Abdel-Hay
23. Spectrophotometric and spectrofluorimetric determination of ciprofloxacin. *S.T.P. Pharma Sciences*, 5(3), 247-250 (1995). **Shereen M. Galal**.
24. Determination of Mesalazine (5-Aminosalicylic acid) in Tablets and in Presence of Its Related Compounds by Derivative and Difference Spectrophotometry and by Synchronous Spectrofluorimetry. *Alex. J. Pharm. Sci.*, 9(3), 171-175(1995). **Shereen M. Galal**.
25. Colorimetric and Spectrofluorimetric Determination of Cysteine -and



- N-Acetyl –Homocysteine Thiolactone Using Mercurochrome. *Bull. Fac. Pharm. Cairo Univ.*,35(1) 73-77 (1997).  
**Shereen M. Galal** and Mohamed A. Korany
26. Application of Derivative and Derivative-ratio Spectrophotometry in the Determination of a Binary Mixture of Naproxen and Diflunisal and a Ternary Mixture of Orphenadrine, Caffeine and Aspirin. *Taiwan Pharmaceutical Journal*, 59(4), 157-170 (2007).  
Mohamed H. Abdel-Hay, **Shereen M. Galal** and Marwa A. Ragab.
27. Spectrophotometric Determination of some Drugs used in the Management of Inflammation and Musculoskeletal disorders. *Bull. Fac. Pharm. Cairo Univ.*, 46(1),137-152 (2008).  
**Shereen M. Galal**, Mohamed H. Abdel-Hay and Marwa A. Ragab.
28. Stability-Indicating Differential Pulse Polarographic and Derivative Spectrophotometric Determination of Tetracepam in Presence of its Acid-Induced Degradation Product. *Alex. J. Pharm. Sci.*, 22(1), 51-57 (2008).  
Mohamed H. Abdel-Hay, **Shereen M. Galal** and Marwa A. Ragab.
29. Determination of Rofecoxib by Differential Pulse Polarography. *Alx. J. Pharm. Sci.*, 22(1), 58-60 (2008).  
**Shereen M. Galal**, Mohamed H. Abdel-Hay and Marwa A.
30. Non-parametric linear regression of discrete Fourier transform convoluted chromatographic peak responses under non-ideal conditions of internal standard method  
*Talanta*, 83, 39 – 109 (2010) .  
Mohamed A. Korany, Hadir M.Maher, **Shereen M. Galal** , Ossama T.Fahmy and Marwa A A. Ragab
31. Development and optimization of capillary electrophoresis technique for simultaneous determination of miconazole nitrate and hydrocortisone acetate in creams.  
*J.AOAC. Int.*, 96, No.6, (2013) .  
Mohamed A. Korany, Hadir M.Maher, **Shereen M. Galal** and Marwa A. A. Ragab
32. Comparative study of some robust statistical methods: weighted, parametric & non-parametric linear regression of HPLC convoluted

- peak responses using internal standard method in drug bioavailability studies.  
*Anal. Bioanal. Chem.*, 4835-4848 ,405 (14), (2013) .  
Mohamed A. Korany, Hadir M.Maher, **Shereen M. Galal** , and Marwa A A. Ragab
33. First derivative emission spectrofluorimetric method for the determination of LCZ696, a newly approved FDA supramolecular complex of valsartan and sacubitril in tablets.  
*Luminescence: The journal of biological and chemical luminescence*, DOI : 10.1002/bio.3339.  
Marwa A.A. Ragab, **Shereen M. Galal** , Mohamed A. Korany, and Aya R. Ahmed.
34. High performance thin-layer and high performance liquid chromatography coupled with photodiode array and fluorescence detectors for analysis of valsartan and sacubitril in their supramolecular complex with quantitation of sacubitril-related substance in raw material and tablets.  
*Journal of Chromatographic Science*, 56(6), 498-509 (2018) .  
Marwa A.A. Ragab, **Shereen M. Galal** , Mohamed A. Korany, and Aya R. Ahmed.
35. Diode array detection for stability assessment and evaluation of degradation Kinetics of newly introduced sacubitril in its supramolecular complex (LCZ696) with valsartan.  
*Journal of liquid chromatography & related technologies*,41(1), 33,42 (2018) .  
Marwa A.A. Ragab, Mohamed A. Korany, **Shereen M. Galal** , and Aya R. Ahmed.
36. Voltammetric analysis of dantrolene and its active metabolite with indomethacin in rat plasma.  
*Bioanalysis*, 11(02), 73- 84, (2018) .  
Marwa A.A. Ragab, Mohamed A. Korany, **Shereen M. Galal** , and Aya R. Ahmed.
37. Voltametric study of valsartan-Ni complex: application to valsartan analysis in pharmaceuticals and in vivo human urine profiling.  
*Chemical Papers*, 02 January (2019) .

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Aya R. Ahmed.