



Shereen Moustafa Tawakkol

2 Zamzam St., Dokki, Giza

Tel: 01007774310

E-mail: shanousha@gmail.com

Date of Birth: 10th October, 1972.

Education

PhD in Pharmaceutical Science (Analytical Chemistry),

Faculty of pharmacy, Helwan University 2008-2011

Thesis Title: Analysis of some cosmetic pharmaceutical preparations.

- During my PhD I have led seminars, supervised laboratories and lectured undergraduates in Faculty of Pharmacy, Helwan University.
- During the period mentioned above I have also taken the responsibility of supervising three postgraduates students (two in Helwan University and one in MIU)
- Starting from the academic year 2009 I have participated in the faculty of Ahran Canadian University along with my original position in Helwan University where I lectured three courses for undergraduates in addition to supervising labs.
- Starting from the academic year 2011 till now I worked as lecturer and after promotion as associate professor in faculty of pharmacy Ahran Canadian University, with supervising five postgraduates students.

**Master of Pharmaceutical science (Analytical Chemistry)
Faculty of Pharmacy, Helwan University 2003 - 2008**

**Bachelor of Pharmaceutical science Faculty of Pharmacy, Cairo
University May-1994**

Professional Career Experience

- **From September 2022 till now** vice-dean for Postgraduate Studies and Research
- **From July 2019 – 2022** Professor & head of Pharmaceutical Analytical Chemistry Dep. Faculty of Pharmacy, Ahram Canadian University.
- **From April 2014 - 2019** Associate professor in Pharmaceutical Analytical Chemistry Dep. Faculty of Pharmacy, Ahram Canadian University.
- **From Aug 2008-2014** lecturer in Pharmaceutical Analytical Chemistry Dep. Faculty of Pharmacy, Helwan University.

- **From 2004-2008** Assistant lecturer in Pharmaceutical Analytical Chemistry Dep. Faculty of Pharmacy, Helwan University
- **From 1995-2003** Teaching assistant in Pharmaceutical Analytical Chemistry Dep. Faculty of Pharmacy, Helwan University.

Publications and Presentations:-

- 1- Colorimetric and fluorimetric method for determination of Panthenol in cosmetic and pharmaceutical formulations. Mostafa A.M Shehata, **Shereen M Tawakkol**, Laila E Abdel Fattah. *Journal of Pharmaceutical and Biomedical Analysis*, 27 (5, 1) 729-735 (2002).

- 2- Photostabilization of sunscreen oil through preparation of a free-flowing powder. Randa Latif, Hanan Refai and **Shereen M. Tawakkol**. *Journal of Microencapsulation*, 28(1) 18–25 (2011)

- 3- Potentiometric Membrane Sensors for Determination of Memantine Hydrochloride and Pramipexole Dihydrochloride Monohydrate.
Hanan A. Merey, Marwa I. Helmy, **Shereen M. Tawakkol**, Safaa S. Toubar and Mohamed S. Risk. *Portugaliae Electrochimica Acta*, 30(1), 31-43(2012)

- 4- Fluorimetric determination of diosmin and hesperidin in combined dosage forms and in plasma through complex formation with terbium.
Dalia Mohamed and **Shereen M Tawakkol**. *Bull. Fac. Pharm. Cairo University*, 51, 81–88(2013)

- 5- New potentiometric determination of clindamycin hydrochloride in pharmaceuticals. Mohamed S. Rizk, Hanan A. Merey, **Shereen M. Tawakkol**, Mona N. Sweilam. *Research and reviews in Electrochemistry*. 4(5), 161-167(2013)

- 6- Validated Stability Indicating Spectrophotometric Methods for the Determination of Lidocaine Hydrochloride, Calcium Dobesilate and Dexamethasone Acetate in their Dosage Forms. Hayam M. Lotfy, **Shereen M. Tawakkol**, Nesma M. Fahmy, and Mostafa A. Shehata. *The Analytical Chemistry Letters*. TACL 3 (3) 208 – 225 (2013)

- 7- Successive spectrophotometric resolution as a novel technique for the analysis of ternary mixtures of pharmaceuticals. Hayam M. Lotfy, **Shereen M. Tawakkol**, Nesma M. Fahmy, and Mostafa A. Shehata. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 121, 313–323(2014)

- 8- Simultaneous determination of Benazepril and Hydrochlorothiazide in their binary mixture by spectrophotometric method and stability indicating RP-HPLC of the mixture in the presence of Benazeprilate in dosage form and its application to human plasma. A.Hemdan, M.Farouk, Omar Abdelaziz, **ShereenM.Tawakkol** and Mostafa A.Shehata. *Analytical Chemistry an Indian Journal ACAIJ* 14(5) 183-193 (2014)

- 9- Comparative study between univariate spectrophotometry and multivariate calibration as analytical tools for quantitation of Benazepril alone and in combination with Amlodipine
M. Farouk , Omar AbdElaziz , Shereen M. Tawakkol , A. Hemdan and Mostafa A. Shehata. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*,123, 473–481(2014)

- 10- Simultaneous determination of Amlodipine Besylate and Atorvastatin calcium by using spectrophotometric method with multivariate calibration and HPLC method implementing “DESIGN OF EXPERIMENT”
Noha Ibrahim, Mohamed Rizk, Ahmed Ibrahim, **ShereenTawakkol** and Inas Ali.*Int. J Pharm. Pharm. Sci*, 6 (1) 419-425 (2014)

- 11- Liquid chromatography- Electro spray ionization tandem mass spectrometry for simultaneous determination of Amlodipine, Benazepril, and its active metabolite Benazeprilat in human plasma . M. Farouk , Omar Abdelaziz , Shereen M. Tawakkol , A. Hemdan and MostafaA. Shehata
The Analytical Chemistry Letters.TACL 4 (1) 2014 pp 1 – 13

- 12- A Novel Potentiometric Detection Strategy for the Determination of Amlodipine Besylate Based on Functionalized Particles, Amira M. El-

Kosasy, **Shereen M. Tawakkol**, Miriam F. Ayad, Ahmed I. Sheta

Electroanalysis 2014, 26, 1031 – 1038

- 13- New methods for amlodipine and valsartan native spectrofluorimetric determination, with factors optimization study. Amira M. El-Kosasy, **Shereen M. Tawakkol**, Miriam F. Ayad, Ahmed I. Sheta
Talanta, TAL15604, 2015

- 14- Different Approaches in Determination of Lercanidipine in Presence of its Degradation Products by Stability Indicating Univariate and Multivariate Calibrations. M. Farouk , Omar AbdElaziz , **Shereen M. Tawakkol** , A. Hemdan and Mostafa A. Shehata
TACL 6 (4) 2016 pp 313 – 325

- 15- Comparative Study of the Resolution Efficiency of High performance Liquid Chromatographic and Chemometrics-assisted UV Spectrophotometric Methods: Application on Pharmaceutical Mixtures Hayam M. Lotfy , **Shereen M. Tawakkol** , Nesma M. Fahmy, and Mostafa A. Shehata
TACL 6 (3) 2016 pp 205 – 213

- 16- Evaluation of graphical and statistical representation of analytical signals of spectrophotometric methods
Hayam M. Lotfy , **Shereen M. Tawakkol** , Nesma M. Fahmy, and Mostafa A. Shehata
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
184, 61-70 (2017)

- 17- Spectrophotometric Determination For the Binary Mixture of Clotrimazole and Dexamethasone in Pharmaceutical Dosage Form
Hayam Mahmoud Lotfy, Yasmin Mohammed Fayeze, **Shereen Mostafa**

Tawakkol, Nesma Mahmoud Fahmy & Mostafa Abd El-Atty Shehata
TACL 7 (1) 2017 30 – 42

18- Full spectrum and selected spectrum based chemometric methods for the simultaneous determination of Cinnarizine and Dimenhydrinate in laboratory prepared mixtures and pharmaceutical dosage form, **Shereen M. Tawakkol** , Mohamed B. El-Zeiny ,A. Hemdan *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 173 (2017) 892–896

19- Hayam M. Lotfy, **Shereen M. Tawakkol**, Yasmin M.Fayez, Nesma M. Fahmy, Mostafa A. Shehata,

Comparative study of the efficiency of computed univariate and multivariate methods for the estimation of the binary mixture of clotrimazole and dexamethasone using two different spectral regions *Spectrochimica Acta Part A: Molecular and Biomolecular, Spectroscopy*,) 194C , 126–135 (2018)

20- A. Hemdan, **Shereen M. Tawakol** HPLC–UV chromatographic methods for detection and quantification of undeclared withdrawn synthetic medications in counterfeit Herbal Medicines with confirmation by HPLC–PDA and Mass Spectrometry *Chromatographia* , 81,777–783(2018)

21- Hayam M. Lotfy, , Yasmin M. Fayez, **Shereen M. Tawakkol**, Nesma M. Fahmy, Mostafa A. Shehata. “Spectrophotometric resolution of the severely overlapped spectra of clotrimazole with dexamethasone in cream dosage form by mathematical manipulation steps,” *Spectrochimica Acta Part A: Molecular and Biomolecular, Spectroscopy*, 202 , 115–120 (2018)

22- Mathematical filtration of quaternary mixture to the zero order spectra of its individual components.” *Spectrochimica Acta Part A* (2021)

23- Three Different Approaches Based on Derivative Ratio Spectra for Spectrophotometric Resolution of Quaternary Mixture in Semisolid Dosage Form Journal of AOAC INTERNATIONAL (2021)

Contribution & Attendances of Conferences

- 1- 7th scientific conference faculty of pharmacy Cairo university
- 2- 8th International conference faculty of pharmacy Cairo university

Skills

Computing Skills:

- Applications: Microsoft Office Suite,
- Operating Systems: Windows Vista, Windows XP

Teaching Skills:

- Postgraduate Demonstrator. Regularly supervise practicals for undergraduate students
- Leading seminars for postgraduates in the analytical chemistry department.

Other skills

- Knowledge of research methodologies
- Native speaker of Arabic
- Fluent in English
- Data and information collection
- Writing and presenting reports
- Reasonable understanding of written French

In addition to general skills in research project management and data analysis.

References:

- **Prof.Dr. Mohamed M. Salem**

*Head of Analytical Chemistry department, Faculty of Pharmacy Helwan
University*