

Lecturer -Analytical Chemistry



PERSONAL INFORMATION

Name: Heba Moustafa Mohamed Moustafa
Date of Birth: 01/10/1981
Place of Birth: Cairo, Egypt.
Marital status: Married
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ACADEMIC QUALIFICATION

- **PhD. of Pharmaceutical Science;** Analytical Chemistry, Thesis entitled “*Analytical Study on Some Drugs Affecting Cardiovascular and Gastrointestinal systems*”, Cairo University, Egypt, **2011**.
- **M.Sc. of Pharmaceutical Science;** Analytical Chemistry, Thesis entitled “*Analytical Study on Some Drugs Affecting Urogenital System*”, Cairo University, Egypt, **2008**.
- **B.Sc. of Pharmacy,** Faculty of Pharmacy, Cairo University, Egypt, May **2004**; with Grade “Excellent Honored”.

RESEARCH SKILLS

- Chemical &Pharmaceutical analysis using different analytical techniques: Spectrophotometry, Chromatography (TLC, HPLC and GC), Electrochemical analysis (Micro sized Ion-selective electrodes), Chemometry, Colourimetry, Spectrofluorimetry.
- Applied Analysis; Food, Water and Environmental Analysis.
- Quality Control Laboratories.

PROFESSIONAL EXPERIENCE

- **2012-current:**
Lecturer; Analytical Chemistry Department, faculty of Pharmacy, Cairo University, Egypt.
- **2008 - 2012:**
Assistant Lecturer and Researcher, Analytical Chemistry Department, faculty of Pharmacy, Cairo University, Egypt.
- **2004- 2008:**
Teaching and Research Assistant, Analytical Chemistry Department, faculty of Pharmacy, Cairo University, Egypt.

LIST OF PUBLICATIONS

- 1- **Application and Validation of superior spectrophotometric methods for simultaneous determination of ternary mixture used for hypertension management.**
Heba. M. Mohamed * and Nesrine. T. Lamie; Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. 155 (2016) 103–110.
- 2- **Chemometrics resolution and quantification power evaluation: Application on pharmaceutical quaternary mixture of Paracetamol, Guaifenesin, Phenylephrine and p-aminophenol.**
Ali M. Yehia, Heba M. Mohamed; Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. 152 (2016) 491–500.
- 3- **Application and validation of an eco-friendly TLC-densitometric method for simultaneous determination of co-formulated antihypertensive agents.**
Nesrine T. Lamie and Heba M. Mohamed; RSC Adv., 5 (2015) 59048-59055.
- 4- **A study of selective spectrophotometric methods for simultaneous determination of binary mixtures with severe overlapping spectra.**
Heba M. Mohamed; Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 136 (2015) 1308 - 1315.
- 5- **Spectrophotometric methods manipulating ratio spectra for simultaneous determination of binary mixtures with severe overlapping spectra: A comparative study**
H. Moustafa and Y. Fayez; Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 133 (2014) 759–766.
- 6- **Validated stability-indicating HPLC method for determination of Rabepazole sodium and Domperidone in presence of their degradation products.**
Nesrin K. Ramadan, Heba M. Mohamed and Azza A. Mostafa; Sci. reports, 2(9) (2013) 1-7.
- 7- **Chromatographic methods for the simultaneous determination of metoprolol tartrate and hydrochlorothiazide in presence of hydrochlorothiazide degradation product.**
Nesrin K. Ramadan, Heba M. Mohamed and Azza A. Mostafa; JPC. 26(6) (2013) 510-516.
- 8- **Miniaturized membrane sensors for potentiometric determination of metoprolol tartrate and hydrochlorothiazide.**
Heba M. Mohamed, Nesrin K. Ramadan and Azza A. Mostafa; Acta Chim. Slov. 59 (2012) 344 – 352.
- 9- **Potentiometric determination of amlodipine besilate and valsartan using micro sized and polymeric matrix membrane sensors.**

Heba M. Mohamed, Nesrin K. Ramadan and Azza A. Mostafa, Portugaliae Electrochimica Acta, 30(1) (2012) 15-29.

10- **Simultaneous determination of Rabeprazole sodium and Domperidone.**

Nesrin K. Ramadan, Heba M. Mohamed and Azza A. Moustafa, J. Applied. Pharma. Sci, 1(9) (2011) 73-80.

11- **Rapid and Highly Sensitive HPLC and TLC Methods for Quantitation of Amlodipine besilate and Valsartan in Bulk Powder and in Pharmaceutica Dosage Forms and in Human Plasma.**

Nesrin K. Ramadan, Azza A. Moustafa and Heba M. Mohamed, Anal. Lett. 43(4) (2010) 570-581.

12- **Simultaneous Determination of Amlodipine Beselate and Valsartan.**

Nesrin K. Ramadan, Azza A. Moustafa and Heba M. Mohamed, Bull. Fac. Pharm., Cairo Univ., 47 (II) (2009) 35 – 47.

13- **Simultaneous determination of Phenazopyridine hydrochloride and Trimethoprim in their binary mixture.**

Nesrin K. Ramadan, Heba M. Mohamed and Azza A. Moustafa; Bull. Fac. Pharm., Cairo Univ., 46 (I) (2008) 33 – 47.

14- **Spectrophotometric stability-indicating methods for determination of Flavoxate hydrochloride in the presence of its degradate according to ICH guidelines.**

Nesrin K. Ramadan, Heba M. Mohamed and Azza A. Moustafa; Bull. Fac. Pharm., Cairo Univ., 46 (I) (2008) 177-190.

15- **HPLC and TLC stability- indicating methods for the determination of Flavoxate hydrochloride in bulk powder and in pharmaceutical formulation and in presence of its degradation product according to ICH guidelines.**

Nesrin K. Ramadan, Heba M. Mohamed and Azza A. Moustafa; Bull. Fac. Pharm., Cairo Univ., 46 (I) (2008) 23 – 32.

16- **Polymeric matrix membrane sensors for stability-indicating potentiometric determination of oxybutynin hydrochloride and flavoxate hydrochloride urogenital system drugs.**

Heba M. Mohamed, Nesrin Ramadan and Mostafa el-lithy; J. AOAC Int. 91(6) (2008) 1318-1330.

17- **Different Methods for the Determination of Oxybutynin Hydrochloride.**

Heba M. Mohamed, Nesrin K. Ramadan, and Azza A. Moustafa; Bull. Fac. Pharm., Cairo Univ., 45(3) (2007) 31-40.

ATTENDED CONFERENCES AND WORKSHOPS

- Oral Presentation in **Pharma Middle East conference**, Dubai 2nd-4th November 2015. **Heba Moustafa Mohamed**, *Green Chromatographic Analysis: Application on Pharmaceutical ternary mixture.*
- **Laboratory Management Conference**, conducted by Cleveland Clinic Foundation Center for

Continuous Education, UAE, November, 2015.

- **Internal Medicine Review Course**, conducted by Cleveland Clinic Foundation Center for Continuous Education, UAE, November, 2015.
- **Healthcare & Social Media Conference**, Arab Health, organized by Informa life science exhibitions, UAE, November, 2015.
- **Healthcare Management conference**, Dubai, June 2015.
- **Medical Equipment Planning**, Dubai, June 2015.
- Poster presentation in **Dubai International Pharmaceuticals and Technologies Conference DUPHAT, Dubai, 8th-10th March, 2015. Heba Moustafa Mohamed, Ali Mohamed Yehia. *Simultaneous Multicomponent Analysis Using Advanced Chemometrics-Assisted Spectrophotometry: Application on Pharmaceutical Quaternary Mixture.***
- Oral presentation in **International Conference on Pharmacy and Pharmaceutical Sciences (ICPPS 2015)**, Dubai, 30th-31st January, 2015. **Heba Moustafa Mohamed**. Eco Scale: A Tool for Assessing the Greenness of Pharmaceuticals Analysis.
- Participated in the workshop **“3D Virtual Lab”** conducted by Al Motahida Educational group & Zspace, Dubai, February 2015.
- **The Emirates International Conference On Combating Drug Counterfeiting: Working Together Against Counterfeits**, Conducted by Ministry of Health, Dubai, UAE 20th – 21st April 2015.
- **Dubai International Pharmaceuticals and Technologies Conference DUPHAT, Dubai, 8th - 10th March, 2015.**
- **Global Education Forum**, Dubai, 24th - 27th February, 2015.
- **7th Medication Safety Conference**, UAE, 7th – 9th November, 2014.
- **Buchi New Solutions in Environment, Food/Pharma & Oil & Gas Analysis Seminar**, conducted by Buchi Company, Abu Dhabi, UAE, 2014.
- **Laboratory Management Conference**, conducted by Cleveland Clinic Foundation Center for Continuous Education, UAE, 20th October, 2014.
- **Regulatory Conference 2014**; Arab Health, organizing by Informa life science exhibitions, UAE, 18th October, 2014.
- **Pharma conference**; Arab Health, organizing by Informa life science exhibitions, UAE, 20th October, 2014.
- **Healthcare Strategy-Sales & Marketing Conference**, Arab Health, UAE, Abu Dhabi, 2014.

- **TACM development strategies for 21st Century**, conducted by Health Authority Abu Dhabi, UAE, 10th December, 2013.
- **Encouraging Innovation: How to accelerate the Discovery of New Medicine**, New York University, Abu Dhabi, UAE, 2014.
- Seminar on **“Trends in interdisciplinary learning and Practice in healthcare profession”**, conducted by Monash University, UAE, 1st July, 2013.
- **Standard Operating Procedure in Toxicological Analysis**, The Arabic Association of Forensic and Clinical Toxicology, Cairo, Egypt, 2011.
- **Conference Organization**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2011.
- **Management of research team**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2011.
- **Credit Hour System**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2011.
- **Research Ethics**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2011.
- **Use of modern technology in teaching**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2010.
- **Legal and financial aspects**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2010.
- **Exams evaluation and students’ assessment**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2010.
- Poster presenter in **1st Scientific Conference of the faculty of pharmacy, Cairo University, “Pharmacy Role in Community Health Promotion”**, Egypt, 2008.
- **Methods of Scientific Research**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2007.
- **Effective Learning**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2007.
- **Presentation Skills**, training course at Faculty and Leadership Development Center – Cairo University, Egypt, 2007.

MEMBERSHIPS AND SKILLS

- Active member of the Syndicate of Pharmacists, Cairo, Egypt.
- Elected to serve as a member of the quality assurance committee, Analytical Chemistry Dept., faculty of pharmacy, Cairo University, 2011.
- Selected to serve as a member of the libraries committee, Analytical Chemistry Dept., faculty of pharmacy, Cairo University, 2010-2011
- Worked as a part time pharmacist for intermittent periods.

- Trainee in some pharmaceutical companies (Bayer, SEDECO) during my undergraduate studies
- Acquired TOEFL score of 96 (iBT).
- Acquired ICDL.
- French- Intermediate.
- Quantitative Analysis- Expert.
- Creative Skills- Expert.
- Team working-Expert.
- Efficient working under pressure.
- Undergraduate studies, included the following courses:
 - o Biochemistry
 - o Organic Chemistry.
 - o Phytochemistry.
 - o Microbiology
 - o Immunology.
 - o Clinical and Hospital Pharmacy.
 - o Pharmaceutics.
 - o Toxicology.
 - o Pharmacology
- Basketball player (1995-2008) in Al Ahly Sporting club and Al Maadi Sporting Club (juniors and First Team).

REFERENCES

References available upon request