

CURRICULUM VITAE

Name: Amira Mohamed Taher Hegazy

Nationality: Egyptian **Date of Birth:** June 2, 1974.

Current Position: Lecturer of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Beni-Suef University, Beni-Suef, Egypt.

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Educational History

- **Diploma in the International Negotiation and Diplomacy**, the International Electronic University, May 2016.
- **Training Course in National Security and Strategy Studies**, the Egyptian Nasser Higher Military Academy (Defense Ministry), May 2017.
- **Training Course in Crisis and Negotiation Management**, the Egyptian Nasser Higher Military Academy (Defense Ministry), August 2017.
- **Training Course in Decision Makers and Leadership**, the Egyptian Nasser Higher Military Academy (Defense Ministry), July 2018.
- **Philosophy of Doctor (Ph.D) of Pharmaceutical Sciences (Analytical Chemistry)** Faculty of Pharmacy, Cairo University, May 2012.
- **Master of Pharmaceutical Sciences (Analytical Chemistry)** Faculty of Pharmacy, Cairo University, December 2002.
- **Bachelor of Pharmaceutical sciences**, Faculty of Pharmacy, Cairo University, May 1996.

Occupational Background:

- Lecturer in Analytical Chemistry, Faculty of Pharmacy, Beni-Suef University, Egypt. (2012-2020).
- Assistant Lecturer in Analytical Chemistry Department, - Faculty of Pharmacy, Beni-Suef University, Egypt. (2003-2012).

- Demonstrator in Analytical Chemistry Department, Faculty of of Pharmacy, Beni-Suef University, Egypt. (1997-2002).

Research Interest:

- Chromatographic methods (including HPLC, HPTLC, UPLC and LC-MS).
- Spectrophotometric and spectrofluorimetric methods.
- Multivariate analysis.
- Studying drug stability in raw material and in their pharmaceutical preparations.
- Analysis of drugs in raw materials, pharmaceutical formulations and biological fluids, whether in mixtures or in presence of metabolites, impurities or degradation products.
- Food chemistry and nutrition.
- Environmental analytical chemistry.

Publications:

- ✱ **Studying the compatibility of a metoclopramide-HCl–paracetamol mixture via IHCMC and establishing a validated RP-HPLC method for its determination in tablets**

AM Hegazy, R Loebenberg, NY Hassan, FH Metwally, M Abdel-Kawy
Analytical Methods 5 (15), 3714-3720

Impact factor: 2.378

<https://pubs.rsc.org/en/content/articlelanding/2013/ay/c3ay40731d#!divAbstract>

- ✱ **Application and Validation of Two Smart Spectrophotometric and a HP-TLC Densitometric Methods for Determination of Metoclopramide Hydrochloride/ Paracetamol in Raw Material and in Pharmaceuticals**

MA Amira M. Hegazy, Nagiba Y. Hassan, Fadia H. Metwally

International Journal of Pharmacy 3 (3), 470 – 481

file:///C:/Users/admin/Desktop/own%20papers/AH%20MCP-

PCM%20spectro%20tlc%20international%20journal%20of%20pharmacy%20ISSN%20202249-1848%20CODEN%2020IJP%20L6.pdf

- ✱ **Establishment and validation of Two Smart UV-Spectrophotometric and a Novel Spectrodensitometric Methods for Simultaneous Determination of Metoclopramide Hydrochloride/ Pyridoxine Binary Mixture in Raw Material and in Syrup**

Amira M. Hegazy, Nagiba Y. Hassan, Fadia H. Metwally, Mohammad Abdel-Kawy

International Journal of Pharmacy 3 (3), 490 – 500

file:///C:/Users/admin/Desktop/own%20papers/AH%20MCP-

VB6%20spectro%20tlc%20international%20journal%20of%20pharmacy%20ISSN%20202249-1848%20CODEN%2020IJP%20L6.pdf

- * Development and validation of two robust simple chromatographic methods for estimation of tomatoes specific pesticides' residues for safety monitoring prior to food processing line and evaluation of local samples**
 Amira M. Hegazy, Rehab M. Abdelfatah, Hamada M. Mahmoud, Mohamed A. Elsayed
 Food Chemistry, Volume 306, 15 February 2020, 125640
Impact factor: 5.449
<https://doi.org/10.1016/j.foodchem.2019.125640>

- * Green spectrophotometric approaches for simultaneous analysis of tomato pesticides in commercial formulations and environmental samples**
 RehabM.Abdelfataha, HamadaM.Mahmoud, MohamedA.Elsayed, AmiraM.Hegazy
 Microchemical Journal 152 (2020) 104305
Impact factor: 2.233
[file:///C:/Users/admin/Desktop/PROMOTION%20PAPERS/article%204%20\(Microchemical%20J.\).pdf](file:///C:/Users/admin/Desktop/PROMOTION%20PAPERS/article%204%20(Microchemical%20J.).pdf)

- * Two spectrophotometric methods for quantitative determination of some pesticides applied for cucumber in Egypt**
 AM Hegazy, RM Abdelfatah, HM Mahmoud, MA Elsayed
 Beni-Suef University Journal of Basic and Applied Sciences, 7 (2018) 598–605
[file:///C:/Users/admin/Desktop/PROMOTION%20PAPERS/Article%204%20\(Beni-Suef%20University%20Journal%20of%20Basic%20and%20Applied%20Sciences\).pdf](file:///C:/Users/admin/Desktop/PROMOTION%20PAPERS/Article%204%20(Beni-Suef%20University%20Journal%20of%20Basic%20and%20Applied%20Sciences).pdf)

- * Two chromatographic methods for the quantitative determination of some pesticides applied for cucumber pests in Egypt**
 RM Abdelfatah, AM Hegazy, HM Mahmoud, MA Elsayed
 Separation Science Plus, 1, 5 (2018), 334-342
[file:///C:/Users/admin/Desktop/PROMOTION%20PAPERS/Article%203%20\(Journal%20of%20Separation%20Science%20Plus\).pdf](file:///C:/Users/admin/Desktop/PROMOTION%20PAPERS/Article%203%20(Journal%20of%20Separation%20Science%20Plus).pdf)

- * Resolution of the spectra of acetamiprid, flutolanil and etofenprox residues for their analysis in tomato fruits**
 Rehab M.Abdelfatah, Hamada M.Mahmoud, Mohamed A.Elsayed, Amira M.Hegazy

 Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 238, 9 (2020),118444
<https://www.sciencedirect.com/science/article/abs/pii/S1386142520304224?via%3Dihub> (<https://doi.org/10.1016/j.saa.2020.118444>)

Conferences Participation

1-Attendance of The 1st International Scientific Conference of Faculty of Pharmacy, Beni Suef University entitled" Pharmacy in the Cutting-Edge: Facing Future Challenges". April 2018.

2-Poster presented in The 2nd International Scientific Conference of Faculty of Pharmacy, Beni Suef University entitled" Pharmacy in the Cutting-Edge: Facing Future Challenges". April 2019.

“Spectrophotometric methods for quantitative determination of pesticides residues after simple and efficient extraction from tomato fruits”

Amira M. Hegazy, Rehab M. Abdelfatah, Hamada M. Mahmoudb, and Mohamed A. Elsayed

3- Attendance of The 5th FUE International Conference of Pharmaceutical Scineneces, at Royal Maxim Palace Kempiniski, First Settlement, Cairo, Egypt. Jan 28-30, 2019.

4-Poster presented in The 4th International Scientific Conference of Faculty of Pharmacy, Beni Suef University entitled "Enviromental Pollutions Risks in Developing Countries (EPRDC 2020) ". March 3-4, 2020.

“Environmental Approach: Recommended Field Sampling for Verified Specific Chromatographic Assays of a Residual Mixture of Pesticides on Tomato Fruits”

Amira M. Hegazy, Rehab M. Abdelfatah, Hamada M. Mahmoud, and Mohamed A. Elsayed

5- Poster presented in The 1st International Scientific Conference of School of Pharmacy, New Giza University entitled" Biologics & Biosimilars Symposium". March 9-12, 2020.

“Novel Fast and Eco-Friend GC-MS Technique for Concurrent Estimation of Malignance Patient’s Antiemetic/ Palliative Combination and application to spiked Human Plasma”.

Amira M. Hegazy

6- Attendance of “*Photo- Chemistry and its Application in Pharmacy and Drug Photo-degradation*” Conference & workshop, Photo- Chemistry Centre, Faculty of Science, Ein-Shams University, Egypt, June 1998.

- 7- Attendance of “Application of Advanced Nanotechnology in Pharmaceutics” *Seminar*, **University of Alberta, Canada**, Feb. 2010.
- 8- Attendance of “*Factors affecting the stability of drug in different forms*” *Conference*, NODCAR, Egypt, Jul. 1997.
- 9- Attendance of “Application of Chemometry in Drug Analysis” conference, Cairo University, Egypt, April 1999.
- 10- Attendance of “Health between Nutrition and Treatment” International Conference, Beni Suef University, Egypt, May 2002.

General certificates:

- International Computer driving License (ICDL).
- international TOEFL iBT score: 82.

Membership:

- Member in the Egyptian General Syndicate of Pharmacists.
- Member in Cairo Syndicate of Pharmacists.
- Member in the Egyptian Club of Judges.
- Member in Shooting Club.
- Member in Egyptian Union at Edmonton.
- Editor in editorial board of many journals:
 - * Open Access Journal of Biomedical Science (OAJBMS)
 - * MedRead Journal of Chemistry
 - * Journal of Biomedical Science

Main managerial responsibilities:

- Foundation of Analytical Chemistry Department in Faculty of Pharmacy- Beni Suef University.
- Foundation and direction of Alumni Department in Faculty of Pharmacy- Beni Suef University.
- Creation and leadership of the Alumni council.

Teaching Experience:

- Teaching and supervising the practical courses of pharmaceutical analytical Chemistry for the undergraduate students (first, second, fourth & fifth year) in Faculty of Pharmacy, Beni-Suef University general and clinical pharmacy programs.
- Oral examiner for undergraduate students in Faculty of pharmacy Beni-Suef University and in other public and private universities.
- Teaching and supervising in pharmaceutical analytical Chemistry for the postgraduate students in Faculty of Pharmacy, Beni-Suef University.
- Supervising many of master and Ph.D students (Pharmaceutical analytical chemistry and Medicinal Chemistry).
- Working as academic advisor for clinical pharmacy program students (since 2010).
- Supervising the summer training of undergraduate students at Faculty of Pharmacy, Beni-Suef University.

Scientific Courses:

Under graduate students

- General and physical chemistry
- Photo-chemistry
- Qualitative analysis (analysis of cations and anions)
- Volumetric analysis (acid base, precipitometry, complexometry, redox analysis)
- Environmental analysis
- Chromatography courses (HPLC principles & applications in pharmaceutical analysis).
- Instrumental analysis (principles and applications of different instrumental techniques in pharmaceutical analysis e.g. Spectroscopic methods (spectrophotometry, Spectrofluorimetry, Atomic absorption...etc), chromatographic methods (HPLC, GC, TLC...etc), electrochemical methods (conductometry, potentiometry... etc)).
- Quality control and quality assurance in pharmaceutical industry.
- Electrochemical methods of analysis (conductometry, potentiometry...etc).
- Food chemistry

Premaster courses:

- 1- Advanced methods of instrumental analysis (IR, MS and NMR spectrometry and spectrophotometry).
- 2- Quality control in pharmaceutical industry.

- 3- Separation analysis techniques (GC, TLC, HPLC, UPLC, LC-MS and Electrophoresis).
- 4- Stability indicating methods of analysis.
- 5- Thermal stability and analysis.

Other Scientific Activities

- * Reviewing of many manuscripts for different journals, for examples, Open Access Journal of Biomedical Science and Beni-Suef University Journal of Basic and Applied Sciences.
- * Attendances of many scientific seminars and workshops at University of Alberta, Cairo University, Suize Canal University and Beni Suef University.