

Curriculum Vitae (CV)

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Lecturer

Analytical Chemistry Department,
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 Cairo University, Kasr El-Aini St., 11562, Cairo, Egypt.

Current Position: Lecturer, Analytical Chemistry Department, Faculty of Pharmacy,
 Cairo University.

Education Degrees:

- Bachelor's degree in Pharmaceutical Science with general grade Excellent (Hons.).
(May 1998).
- Master's degree in Analytical Chemistry, Faculty of Pharmacy, Cairo University,
Egypt (2007).

“On the Analysis of Some Pesticides”

- Ph.D. degree in Analytical Chemistry, Faculty of Pharmacy, Cairo University, Egypt
(2012).

“Analysis of Some Compounds used as Pesticides either in Bulk Powders, Mixtures, Formulations, or in Environmental Samples”

Academic positions:

- Demonstrator of analytical chemistry Faculty of Pharmacy, Cairo university

- (1998-2007).
- Assistant lecturer of analytical chemistry Faculty of Pharmacy, Cairo University (2007-2012).
- Lecturer of analytical chemistry Faculty of Pharmacy, Cairo University (2012-now).

Summary of Expertise:

- Topics in chemical quality control in pharmacy practice.
- Application of different analytical techniques for the determination of pharmaceuticals in the presence of their degradation product(s) including;
 - Different spectrophotometric methods such as colorimetry, derivative, derivative-ratio spectrophotometry, ratio subtraction and ratio difference.
 - Different chromatographic methods such as TLC-densitometry, HPLC, and GC.
 - Monitoring of the degradation profile of the pharmaceuticals.
 - Synthesis of the degradation product(s) of the selected drugs and structure elucidation.
- Environmental and residue analysis, determination of pesticides residues in plants, and antibiotics residues in poultry.

● **Under-graduate Level:**

- Lecturing (physical and general chemistry, qualitative, and quantitative analytical chemistry) and (practical course) for 1st year pharmacy students, Cairo University.
- Lecturing (inorganic and physical chemistry, quantitative analytical chemistry) for 1st year and 2nd year pharmacy students, and quantitative analytical chemistry and (practical course) for 2nd year pharmacy students, credit hours program, Cairo University.
- Lecturing quantitative analytical chemistry for pharmacy students, Ain Shams University.
- Lecturing (quantitative analysis, quantitative and applied analysis, and quality control and quality assurance) in faculty of pharmacy, Future University.
- Lecturing (physical and general chemistry, and quantitative analysis) in faculty of pharmacy, Heliopolis University.
- Lecturing (qualitative and quantitative analysis) in faculty of pharmacy Misr University for Sciences and Technology.

● **Post-graduate Level:**

- Lecturing Separation Techniques for pre-master pharmacy students, Cairo University.
- Lecturing Functional Group Analysis for pre-master pharmacy students, Cairo University.
- Supervision on research projects of quality control diploma students, Cairo University.
- Lecturing (molecular emission and atomic spectroscopy) for quality control diploma students, Cairo University.
- Lecturing (analysis of organic pollutants, and analysis of inorganic pollutants) for toxicology and forensic chemical analysis, Cairo University.
- Lecturing advanced spectroscopic analysis for pre-master pharmacy students, Ain Shams University.

Supervision of scientific theses:

M.Sc. theses:

- Theses under preparation: seven.
- Theses completed and examined: one.

Ph.D. theses:

- Theses under preparation: three.

Other Professional Activities:

- Director of Computer Center, Faculty of Pharmacy, Cairo University from Nov. 2014 till Nov. 2015
- Deputy Director of Computer Center, Faculty of Pharmacy, Cairo University from Nov. 2015 till Nov. 2018.
- A member of the team responsible for implementing Google Apps. grant in Faculty of Pharmacy, Cairo University.
- Contribution in the organization committee of the 6th, 7th, 8th, and 9th Conference of Faculty of Pharmacy, Cairo University, 2015 – 2018.
- Best M.Sc. Thesis in Faculty of Pharmacy, Cairo University 2006 - 2007
- Member of “Scientific Research Ethics Committee”, faculty of pharmacy, Cairo University Sep. 2018 till now.
- Member of “Corruption Control Committee”, faculty of pharmacy, Cairo University Jan. 2019 till now.
- Supervision of some analyses in “Bio-Technology Center”, faculty of pharmacy, Cairo University.
- Member of “Chemicals and Glassware Committee”, faculty of pharmacy, Cairo University.

Training programs:

- TOEFL Course by Center of Foreign Languages and Professional Translation, Cairo University, 2010. Total score: 620.
- The International Computer Driving License (ICDL) at Central Unit of ICT Training, Supreme Council of Universities, Ministry of Higher Education, 2008. It includes two parts:
 - Part I (Teaching Assistant 1):
 - Basic concepts of IT
 - Using computer and managing files
 - Word processing
 - Spreadsheets
 - Introduction of PC maintenance and protection
 - Part II (Teaching Assistant 2):

- Presentations
- Database
- Information and communication
- Training workshop entitled “From active learning to learning by research”, by DAAD, held in Cairo University, 2012.
- Training workshop entitled “**Explorative learning and Teaching**” by DAAD, held in Duisburg Essen University, Germany, 2014.
- Educational session entitled “**Definition of Africa: Man and Place**” by Institute of African Research and Studies, Cairo University in collaboration with the African Society in Cairo, 2014.

Different courses of Faculty and Leadership Development Center (**FLDC**), Cairo University;

- **Scientific Research Methods** (2006)
- **Use of Technology in teaching** (2007)
- **Effective Communication Skills** (2007)
- **Ethics of Profession** (2007)
- **Examination and Evaluation of Students** (2009)
- **Aspects of Quality in teaching** (2009)
- **Time and Meetings Management** (2010)
- **Behavior of The Profession in University Work** (2011)
- **International Publishing of Scientific Researches** (2012)
- **Preparation of Competitive Research Projects** (2012)
- **Credit Hours System** (2013)
- **Effective Teaching Skills** (2014)
- **Strategic Planning** (2015)
- **Scientific Conference Organization** (2015)
- **Business Entrepreneurship** (2019)
- **Change Management** (2019)

Scientific Activities:

i- Reviewer for International Journals

- Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
- Analytical Chemistry Letters
- Food Analytical Methods
- Arabian Journal of Chemistry
- Current Analytical Chemistry
- Bulletin of Faculty of Pharmacy Cairo University
- Future Journal of Pharmaceutical Sciences

ii- Conferences and workshops attended

- 1- The 32nd Conference of Pharmaceutical Sciences – Egyptian Pharmaceutical Society, Dec 20-22, 2011. Spectrophotometric and chromatographic determination

- of fluconazole with kinetic study of its oxidative degradation. Hany H. Monir, Hayam M. Lotfy, and Abdel-Aziz A. Abdel-Aleem.
- 2- The 32nd Conference of Pharmaceutical Sciences – Egyptian Pharmaceutical Society, Dec 20-22, 2011. Determination of diniconazole fungicide residues in grapes and zucchini by capillary gas chromatography. Hany H. Monir, Hayam M. Lotfy, and Abdel-Aziz A. Abdel-Aleem.
- 3- 4th FUE International Conference of Pharmaceutical Sciences, Jan 31st – Feb 2nd 2017. Dissipation of thiamethoxam and propamocarb hydrochloride residues in tomato under different climatic conditions – kinetic study. Dalia E. Elhefny, Hany H. Monir.
- 4- 5th FUE International Conference of Pharmaceutical Sciences, Jan 28-30, 2019. Novel stability indicating potentiometric ion selective electrodes for the determination of ethamsylate in its pure form and combined tablets. Heba A. Mohamed, Hany H. Monir, Amr M. Badawy, Marianne N. Morkos.
- 5- 5th FUE International Conference of Pharmaceutical Sciences, Jan 28-30, 2019. Current trend in chromatographic techniques for determination of pesticides residues in crops cultivated in Egypt. Hany H. Monir, Omnia A. El-Naem, Sara S. Saleh.

List of Publications

Publications abstracted from M.Sc. Thesis (3)

- 1- Mohamed M. Amer, Mostafa A. Shehata, Hayam M. Lotfy and Hany H. Monir: Rapid and Simple Method for Determination and Study of Methomyl Residues in Vegetables, *Bulletin of Faculty of Pharmacy Cairo University*, 43(2) (2005) 29-37.
- 2- Mohamed M. Amer, Mostafa A. Shehata, Hayam M. Lotfy and Hany H. Monir: Determination of Tetraconazole and Diniconazole Fungicide Residues in Tomato and Green Beans by Capillary Gas Chromatography, *Yakugaku Zasshi, The Pharmaceutical Society of Japan.*, 127(6) (2007) 993-999.
- 3- Mohamed M. Amer, Mostafa A. Shehata, Hayam M. Lotfy and Hany H. Monir: Determination of Methomyl Insecticide Residues in Tomato and Cucumber Fruits by High Performance Liquid Chromatography: Kinetic Study, *Egypt. J. Pharm. Sci.*, 49 (2008) 53-48.

Publications abstracted from Ph.D. Thesis (4)

- 1- Hayam M. Lotfy, Abdel-Aziz A. Abdel-Aleem, and Hany H. Monir: Determination of Diniconazole Fungicide Residues in Grapes and Zucchini by Capillary Gas Chromatography, *Analytical Chemistry – An Indian Journal*, 11(4) (2012) 131-136.
- 2- Hayam M. Lotfy, Hany H. Monir, and Abdel-Aziz A. Abdel-Aleem: Novel Spectrophotometric Methods for the Determination of Fluconazole in the Presence of its Oxidative Degradation Product, *J. Chil. Chem. Soc.*, 57(4) (2012) 1199-1207.
- 3- Hayam M. Lotfy, Abdel-Aziz A. Abdel-Aleem, and Hany H. Monir: Stability-Indicating High Performance Liquid Chromatographic Determination of Fluconazole in the Presence of its Oxidative Degradation Product – Kinetic and

- Stress Study, *Journal of Liquid Chromatography and Related Technologies*, 36 (2013) 1013-1029.
- 4- Hayam M. Lotfy, Abdel-Aziz A. Abdel-Aleem, and Hany H. Monir: Determination of Insecticides Malathion and Lambda-Cyhalothrin Residues in Zucchini by Gas Chromatography, *Bulletin of Faculty of Pharmacy Cairo University*, 51 (2013) 255-260.

Publications after appointment as lecturer of analytical chemistry (7):

- 1- Nesrine T. Lamie and Hany H. Monir: Simultaneous determination of Cinnarizine and Dimenhydrinate in Binary Mixture Using Chromatographic Methods, *Journal of Chromatographic Science*, 54(1) (2016) 36-42.
- 2- Ahmed A. Al-Shibly, Hany H. Monir, Mohamed R. El-Ghobashy, and Sawsan M. Amer: Determination of Binary Mixture of Ibuprofen and Famotidine by Different Spectrophotometric Methods, *European Journal of Chemistry*, 7(2) (2016) 161-165.
- 3- Ali M. Yehia and Hany H. Monir: An Umeclidinium Membrane Sensor; Two-step Optimization Strategy for Improved Responses, *Talanta*, 172 (2017) 61-67.
- 4- Mamdouh R. Rezk, Hany H. Monir, and Hoda M. Marzouk: Spectrophotometric Assessment of the Brand New Antiviral Combination: Sofosbuvir and Velpatasvir in their Pure Forms and Pharmaceutical Formulation, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 213 (2019) 159-166.
- 5- Mamdouh R. Rezk, Hany H. Monir, and Hoda M. Marzouk: Novel Determination of a New Antiviral Combination; Sofosbuvir and Velpatasvir by High Performance Thin Layer Chromatographic Method; Application to Real Human Samples, *Microchemical Journal*, 146 (2019) 828-834.
- 6- Hany. H. Monir, Alshimaa M. Ali, Rawnaa E. Refat, and Samah S. Abbas: Chromatographic methods for determination of finasteride and tamsulosin hydrochloride and in presence of finasteride degradation product, *Acta Chromatographica*, <https://doi.org/10.1556/1326.2019.00577>
- 7- Hany H. Monir, Heba A. Mohamed, Amr M. Badawy, Marianne N. Morkos: Spectrophotometric Methods for Determination of Ethamsylate in the Presence of its Degradation Product Hydroquinone, *Journal of Applied Spectroscopy*, 86(3) (2019) 388-393.