

## CURRICULUM VITAE

Mohamed M. A. Salim

Salim, M. M.

**Address:** **Current:**  
Dept. of Pharmaceutical Analytical Chemistry,  
Faculty of Pharmacy, Mansoura University,  
Mansoura 35516, Egypt.

**Previous:**  
Department of Chemistry, Georgia State University,  
Atlanta, GA 30303, USA.

**Office:** +20-502-247-496, +20-502-200-242 (Ext. 25062)  
**Cell:** +20-100-265-2929  
**Fax:** +20-502-247-496, +20-502-200-242  
**E-mail:** [mmasalim@mans.edu.eg](mailto:mmasalim@mans.edu.eg)  
[msalim@horus.edu.eg](mailto:msalim@horus.edu.eg)  
[msalim@gsu.edu](mailto:msalim@gsu.edu)  
[mmasalim@yahoo.com](mailto:mmasalim@yahoo.com)

**Websites:** [Faculty of Pharmacy Website](#)  
[Mansoura University Website](#)



### 1. PERSONAL DATA

Nationality: Egyptian  
Place of Birth: Mansoura city, Egypt  
Date of Birth: October 01, 1981  
Language: Arabic: Mother tongue  
English: Writing, Listening, and Speaking (Excellent)  
Marital status: Married, Three kids  
Military service: Exempted

### 2. RESEARCH INTEREST

The main topics of research interests are:

1. Analysis of drugs in multi-component mixtures, such as antibiotics, multivitamins, antihypertensive preparations,.....etc. Combined therapy is frequently recommended to potentiate the action (synergistic effect) of some drugs.
2. Analysis of drugs in the presence of their degradation products in stability and forced degradation studies according to official guidelines.
3. Analysis of drugs in presence of their metabolites in biological fluids, such as blood, plasma, urine....etc in pharmacokinetic and pharmacodynamic studies.
4. Determination of drugs in presence of their synthetic impurities. Structure elucidation of the degradation products on the basis of spectroscopic (NMR) and spectrometric (mass) experiments.
5. Multi-spectroscopic and molecular docking studies for binding interaction between newly FDA approved drugs and human serum albumin

6. Analytical determination of residual amounts of Vet. drugs in food samples and animal tissues

Conducting the researches using CE, LC-MS, NMR, MOE molecular docking, HPLC, fluorometric, spectrophotometric, polarographic, potentiometric, conductometric and titrimetric methods.

### 3. EDUCATION

- 2011 – 2014:**        **Ph.D. in pharmaceutical Analytical Chemistry (Channel System)**  
1- Prof. Dr. G. Patonay lab., Chemistry Department, Georgia State University, Atlanta, Georgia 30303, USA.  
2- Pharmaceutical Analytical Chemistry Dept., Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.  
**Dissertation title:** “Determination of some hepatic and/or cardiovascular drugs using advanced analytical techniques”.
- 2003 – 2009:**        **M.Sc. in Pharmaceutical Analytical Chemistry**  
Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.  
**Thesis title:** “Advanced Analytical Techniques for Determination of Trace Components in Pharmaceuticals”
- 1998– 2003:**        **B.Sc. in Pharmaceutical Sciences**  
Mansoura University, Mansoura, Egypt (Very good with honor)

### 4. EXPERIENCES

#### 4.1. Academic Positions

- 2020 – Now:**        **Associate Professor**  
Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- 2014 – 2020:**        **Assistant Professor**  
Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- 2012 – 2014:**        **Research/ Graduate Assistant**  
Chemistry Department, Georgia State University, Atlanta, Georgia 30303, USA.
- 2011– 2014:**        **Study Leave**  
Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt
- 2009-2014:**        **Assistant Lecturer**  
Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

**2003-2009: Demonstrator**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, Mansoura University, Mansoura, Egypt

## **4. 2. Teaching**

### **4.2.1. Undergraduate**

**2014 – 2023: Pharmaceutical Analytical Chemistry 2 (Analytical Chemistry for Second Year pharmacy students)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Pharmaceutical Analytical Chemistry 1 (Analytical Chemistry for First Year pharmacy students)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Pharmaceutical Analytical Chemistry II (PC 306) (Clinical pharmacy, P2 students, semester 3)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Instrumental Analysis (PC 407) (Clinical pharmacy, P2 students, semester 4)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Pharmaceutical Analysis and Quality control (PC 808) (Clinical pharmacy, P4 students, semester 8)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Quality control in drugs (PA 426) (B.SC. Fourth level pharmacy students, credit hour system)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Pharmaceutical Analytical Chemistry (PA 224) (B.SC. Second level pharmacy students, credit hour system)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Pharmaceutical Analytical Chemistry-II (PC 222) (B.SC. Second level pharmacy students, credit hour system)**  
Pharmaceutical Chemistry Department, Faculty of Pharmacy,  
**Delta University for Science and Technology**, Damietta, Egypt.

**Pharmaceutical Analytical Chemistry-I (PC 103) (B.SC. First level pharmacy students, credit hour system)**

Pharmaceutical Chemistry Department, Faculty of Pharmacy,  
**Horus University in Egypt**, New Damietta City, Egypt.

**Pharmaceutical Analytical Chemistry-II (PC 205) (B.SC. Second level pharmacy students, credit hour system)**

Pharmaceutical Chemistry Department, Faculty of Pharmacy,  
**Horus University in Egypt**, New Damietta City, Egypt.

**2013 – 2014:**     **Separation in Biosciences (Chemistry 4015/6015)**  
Department of Chemistry, **Georgia State University**, Atlanta, GA,  
30303, USA

**2007 – 2010:**     **Physical & Inorganic Chemistry (PC 101) (Labs, Clinical pharmacy, P1 students, semester 1)**  
Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Pharmaceutical Analytical Chemistry 1(PC 205) (Labs, Clinical pharmacy, P1 students, semester 2)**

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Pharmaceutical Analytical Chemistry II (PC 306) (Labs, Clinical pharmacy, P2 students, semester 3)**

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Instrumental Analysis (PC 407) (Labs, Clinical pharmacy, P2 students, semester 4)**

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, **Mansoura University**, Mansoura, Egypt.

**2003 – 2010:**     **Applied analysis (analysis of water, oils, fats & pharmaceutical preparations) (Labs, Second year pharmacy students)**  
Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Instrumental Analysis (Labs, Second year pharmacy students)**

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Quantitative Chemical Analysis (Labs, First and Second year pharmacy students)**

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Qualitative Inorganic Analysis (Labs, Pre-pharmacy students)**

Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, **Mansoura University**, Mansoura, Egypt.

#### 4.2.2. Graduate

**2014 – 2023: Advanced Food Analysis (Clinical Pharmacy Diploma students)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

**2007 – 2010: Instrumental Analysis (Labs, Quality Control Diploma students)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

**Food Analysis (Labs, Clinical Pharmacy Diploma students)**  
Pharmaceutical Analytical Chemistry Department, Faculty of  
Pharmacy, **Mansoura University**, Mansoura, Egypt.

### 5. TRAINING COURSES AND PROGRAMS

#### A. Technical Training Courses:

- Training in Mansoura city public pharmacies (**1999-2003**).
- Laboratory Safety and Hazardous Waste Initial Training (Department of Chemistry, Georgia State University, USA, 20 Jan. **2012**).
- The use of information resources on GSU Library Panthercard ID# 002-00-3316, Georgia State University, USA, 01 Feb. **2012**.
- Searching SciFinder® Online Library; American Chemical Society (ACS), Department of Chemistry, Georgia State University, USA, 02 Feb. **2012**.
- Basics, Operating and Data Acquisition for Capillary Electrophoresis (CE) on Beckman P/ACE (MDQ, 5510 and 5500) (Department of Chemistry, Georgia State University, USA, 05 March **2012**).
- Basics, Operating and Data Acquisition for HPLC-MS (Department of Chemistry, Georgia State University, USA, 22 April **2012**).
- Chematix Training (Department of Chemistry, Georgia State University, USA, 02 Feb. **2012**).
- Basics, Operating and Data Acquisition for <sup>1</sup>H and <sup>13</sup>C NMR Spectra on the Bruker Avance 400 NMR Spectrometer (Department of Chemistry, Georgia State University, USA, 22- 24 Jan. **2013**).
- Laboratory Safety and Hazardous Waste Refresher Training (Department of Chemistry, Georgia State University, USA, 18 March **2013**).
- The use of EndNote® X7 program, Georgia State University Library, USA, 05-06 Nov. **2013**.
- Introduction to **Nanotechnology**, Mansoura University Nanotechnology Center, Egypt, 06- 08 Sept. **2015** (20 Hours).
- **Protocols of external review visits:** Applied course for Higher Education Institutions, National Authority for Quality assurance and accreditation of Education (**NAQAEE**), Mansoura University,

- Egypt, 29 February – 03 March **2016** (24 Hours).
- **NMR in Drug Design**, Faculty of Pharmacy, Mansoura University, Egypt, 10 April **2017** (6 Hours).
- **Computational Drug Design**, Faculty of Pharmacy, Mansoura University, Egypt, 11 April **2017** (6 Hours).
- **Recent Advances in Chromatography**, Unit of Drug Analysis, Faculty of Pharmacy, Mansoura University, Egypt, 05 May **2019** (6 Hours).
- **Research Quality & Performance**, Web of Science; A Clarivate Analytics company in partnership with Egyptian Knowledge Bank (**EKB**), Faculty of Pharmacy, Mansoura University, Egypt, 11 November **2019** (4 Hours).
- **DAR ALMANDUMAH**, Edusearch, Ecolink, IslamicInfo, AraBase, HumanIndex, Egyptian Knowledge Bank (**EKB**) on **ZOOM**, 27 June **2021** (2 Hours).
- **Open Access for Egypt**, Springer Nature in partnership with Egyptian Knowledge Bank (**EKB**) and Science, Technology & Innovation Funding Authority (**STDF**), *AD webinars*, 15 May **2022** (4 Hours).
- **Using Design Expert Software for Analytical Method Development**, Faculty of Pharmacy, Mansoura University, Egypt, 28-29 August **2022** (12 Hours).
- **Innovation in drug delivery and medicinal chemistry: Reaxys results**, Faculty of Pharmacy, Menoufia University, Egypt, 22 November **2022** (6 Hours).
- **Capillary Electrophoresis**, 2<sup>nd</sup> International Pharmaceutical & Therapeutical Science (Challenge & Hope) PTS 2023, 13 May 2023, Faculty of Pharmacy, Menoufia University, Menoufia, Egypt (6 Hours).

## **B. Quality Improvement and Skills Development Training Programs at Faculty and Leadership Development Center/ University development Center/ Mansoura University:**

- Cyber security (08-09 January **2023**, 10 Hours)
- Digital Transformation (13-14 September **2021**, 10 Hours)
- The arts of Successful Leadership (5-6 October **2020**, 10 Hours)
- Preparation and Design of Electronic Exams (15-16 August **2020**, 10 Hours)
- Electronic Courses Development (25-26 March **2018**, 15 Hours).
- Statistical Analysis Skills (21-22 January **2018**, 15 Hours)
- Scientific research engines and classification methods of universities (18-19 July **2017**, 15 Hours)
- University Management (14-15 February **2016**, 15 Hours)
- Strategic Planning (13-14 December **2015**, 15 Hours)
- The Scientific Research Team Leadership (26-27 January **2015**, 15 Hours)

- Conference Organization (15-16 June **2014**, 15 Hours)
- Credit Hours System (8-10 January **2012**, 18 Hours)
- International and National Research Projects (1-3 January **2012**, 18 Hours)
- Scientific Research Ethics (10 -12 October **2010**, 18 Hours)
- International publishing of scientific research (28 February- 2 March **2010**, 18 Hours)
- Quality Standards in the Education Process (7–9 June **2009**, 18 Hours)
- Microsoft E-Content Development Training (Microsoft Expression Web) (August **2008**)
- University code of ethics (12-14 October **2008**, 18 Hours)
- Critical thinking skills (17-19 December **2006**)
- Presentation skills (9-12 April **2006**, 18 Hours)
- Communication skills (26-28 March **2006**, 18 Hours)
- Scientific research methodology (5-8 February **2006**, 18 Hours)

### C. Conferences:

1. The 2nd International Pharmaceutical & Therapeutical Science (Challenge & Hope) PTS 2023, 10 - 11 May 2023, Faculty of Pharmacy, Menoufia University, Menoufia, Egypt [Workshop].
2. The 3rd International Conference of Pharmaceutical Sciences (MUPHARM 2022), August 29-31, September 1-2, 2022, Faculty of Pharmacy, Mansoura University, Mansoura-Ain Sokhna, Egypt [Poster Presentation & workshop].
3. The 6th Scientific Conference of Pharmaceutical Analytical Chemistry Department, May 4-5, 2019, Faculty of Pharmacy, Mansoura University, Egypt [poster & workshop].
4. The 2nd International Conference of Pharmaceutical Sciences (MUPHARM 2019), April 9-12, 2019, Faculty of Pharmacy, Mansoura University, Mansoura-Ain Sokhna, Egypt [Poster Presentation].
5. 1st International Pharmaceutical Sciences Conference "Drug development: From Benchside to Beside", 11-12 August 2018, Faculty of Pharmacy, Menoufia University, Menoufia, Egypt. [Poster Presentation].
6. The 5th Scientific Conference of Pharmaceutical Analytical Chemistry Department, April 1, 2018, Faculty of Pharmacy, Mansoura University, Egypt [Poster Presentation].
7. 1st International Conference of Pharmaceutical Sciences "MU-PHARM 2017", 9-11 April 2017, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt [Workshops].

8. 252<sup>nd</sup> American Chemical Society (ACS) National Meeting & Exposition “ Chemistry of the People, by the People, for the People” 21-25 August 2016, Philadelphia, PA, United States.[Abstract: ANYL-193].
9. 1<sup>st</sup> Scientific Conference, 10 July 2010, Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt. [Poster Presentation].
10. 1<sup>st</sup> International Pharmaceutical Sciences Conference "Pharmacy Education and Community Expectations", 18-19 November 2009, Faculty of Pharmacy, Tanta University, Tanta, Egypt. [Poster Presentation].
11. Al-Azhar 5<sup>th</sup> international conference of pharmaceutical and biological sciences, 13-14 Oct. 2008, Faculty of Pharmacy, Al- Azhar University, Cairo, Egypt. [Poster Presentation].

## 6. SCHOLARSHIPS, FELLOWSHIPS, VISITS

- **Graduate Joint Scholarship for Ph.D Study**, Georgia State University, Atlanta, GA 30303, USA: 2012 JAN- 2014 APRIL.
- **Training summer course on Recent Advances in Instrumental Analysis (Foreign Scholarship) in** Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, University Islam Antarabangasa Malaysia (UIAM); International Islamic University Malaysia (IIUM), Malaysia: 2011 APRIL-2011 OCTOBER.

## 7. MEMBERSHIP OF SCIENTIFIC SOCIETIES

- American Chemical Society (ACS) # 32181781
- The Egyptian Pharmacists' syndicate.
- Who's Who in the World.
- Monitoring & Evaluation of New Programs Project, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- Quality Assurance & Accreditation Unit, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- E-learning Unit, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- Academic Advisor for Undergraduate Clinical students, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- Academic Advisor for International students, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- Head of Research Central Lab, Faculty of Pharmacy, Horus University - Egypt, New Damietta City, Egypt.
- Co-Ordinator of Research Ethics Committee (REC), Horus University - Egypt, New Damietta City, Egypt.
- Vice Dean of Scientific Research Unit (SRU), Horus University - Egypt, New Damietta City, Egypt.



## 8. List of publications for Mohamed M. Salim, Ph.D. Faculty of Pharmacy – Mansoura University

### I. PAPERS PUBLISHED IN PEER REVIEWED JOURNALS

1. Study of the binding interaction of salmon sperm DNA with nintedanib, a tyrosine kinase inhibitor using multi-spectroscopic, thermodynamic, and in silico approaches  
AS Radwan, **MM Salim**, MM Elkhoudary, GM Hadad, Moataz A Shaldam, Fathalla Belal, Galal Magdy  
**Journal of Biomolecular Structure and Dynamics, 2023, 1-11**
2. Deduction of the operable design space of RP-HPLC technique for the simultaneous estimation of metformin, pioglitazone, and glimepiride  
Marie, A.A., Hammad, S.F., **Salim, M.M.**, Elkhodary, M.M., Kamal, A.H.  
**Scientific Reports, 2023, 13(1), 4334**
3. Green fluorometric strategy for simultaneous determination of the antihypertensive drug telmisartan (A tentative therapeutic for COVID-19) with Nebivolol in human plasma  
**MM Salim**, A Radwan, GM Hadad, F Belal, MM Elkhoudary  
**Scientific Reports 13 (1), 3576**
4. Using of eosin Y as a facile fluorescence probe in alogliptin estimation: Application to tablet dosage forms and content uniformity testing  
**MM Salim**, AA Marie, AH Kamal, SF Hammad, MM Elkhoudary  
**Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 285, 121919**
5. Voltammetric estimation of residual nitroxynil in food products using carbon paste electrode  
**M. M. Salim**, S Ashraf, H. M. Hashem, F Belal  
**Scientific Reports, 12 (2022), 14289**
6. Analytical quality by design based on design space in reversed-phase-high performance liquid chromatography analysis for simultaneous estimation of metformin, linagliptin and empagliflozin  
A. A. Marie, **M. M. Salim**, A. H. Kamal, S. F. Hammad and M. M. Elkhoudary  
**Royal Society Open Science 9(6), (2022) 220215.**
7. A highly sensitive spectrofluorimetric method for the determination of bilastine in its pharmaceutical preparations and biological fluids  
A saad Radwan, MM Elkhoudary, GM Hadad, F Belal, **M.M. Salim**

**Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 276 (2022), 121246**

8. Spectrofluorometric determination of residual amounts of nitroxynil in food samples  
S Ashraf, F Belal, **M. M. Salim**  
**Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 274(2022), 120993**
9. Analytical approaches for the determination of Nebivolol  
A Radwan, **MM Salim**, MM Elkhoudary, G Hadad, F Belal  
**Records of Pharmaceutical and Biomedical Sciences 6 (2022), 113-119**
10. Simultaneous estimation of recently FDA approved co-formulated ophthalmic solution benoxinate and fluorescein: Application to aqueous humor  
AS Radwan, **M. M. Salim**, GM Hadad, F Belal, MM Elkhoudary  
**Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 267 (2022), 120599**
11. Eco-friendly fluorimetric approaches for the simultaneous estimation of the co-administered ternary mixture: etoposide, moxifloxacin, and nalbuphine  
M. Tolba, F. Belal and **M. M. Salim**  
**Royal Society Open Science 8(9), (2021) 210683.**  
[DOI: [10.1098/rsos.210683](https://doi.org/10.1098/rsos.210683)]
12. Insights for applying erythrosine B as a green fluorescence probe for estimation of anticancer tamoxifen and its analog; clomiphene in nanogram concentration.  
M. Tolba and **M. M. Salim**  
**Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 263 (2021), 120156.**  
[DOI: [10.1016/j.saa.2021.120156](https://doi.org/10.1016/j.saa.2021.120156)]
13. Gastroenterology manifestations and COVID-19 outcomes: A meta-analysis of 25,252 cohorts among the first and second waves  
Rami M. Elshazli, Adam Kline, Abdelaziz Elgaml, Mohamed H. Aboutaleb, **Mohamed M. Salim**, Mahmoud Omar, Ruhul Munshi, Nicholas Mankowski, Mohammad H. Hussein, Abdallah S. Attia, Eman A. Toraih, Ahmad Settin, Mary Killackey, Manal S. Fawzy, Emad Kandil  
**Medical Virology, 93 (2021) 2740-2768**  
[DOI: [10.1002/jmv.26836](https://doi.org/10.1002/jmv.26836)]
14. Simultaneous estimation of troxerutin and calcium dobesilate in presence of the carcinogenic hydroquinone using green spectrofluorimetric method.  
M. M. Tolba, **M. M. Salim** and M. El-Awady

- Royal Society Open Science 8(2), (2021) 201888.**  
[DOI: [10.1098/rsos.201888](https://doi.org/10.1098/rsos.201888)]
15. Multi-spectroscopic and molecular docking studies for binding interaction between fluvoxamine and human serum albumin  
**M. M. Salim**, Mona E. El Sharkasy, F. Belal and M. Walsh  
**Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 252 (2021) 119495**  
[DOI: [10.1016/j.saa.2021.119495](https://doi.org/10.1016/j.saa.2021.119495)]
16. Inclusive study for segregation of two commonly used anticancer drugs with tramadol: Applying a green fluorimetric strategy to pharmaceutical dosage forms and human plasma  
M. Tolba and **M. M. Salim**  
**Microchemical Journal. 162 (2021) 105859**  
[DOI: [10.1016/j.microc.2020.105859](https://doi.org/10.1016/j.microc.2020.105859)]
17. Genetic Algorithm with Model-Updating Based PLS Regression for the Spectrophotometric Determination of Clopidogrel, Atorvastatin and Aspirin in presence of its degradation product.  
**M. M. Salim**, Mona E. El Sharkasy, M. Walsh and F. Belal  
**Journal of Applied Spectroscopy 2020, 87 (3), 509-519.**
18. Synchronous spectrofluorometric methods for simultaneous determination of diphenhydramine and ibuprofen or phenylephrine in combined pharmaceutical preparations. Aya S Radwan, **M. M. Salim** and Sherin Hammad  
**Luminescence. 2020,35, 550–560.**  
[DOI: [10.1002/bio.3750](https://doi.org/10.1002/bio.3750)]
19. Conventional and first derivative synchronous spectrofluorimetric methods for the simultaneous determination of cisatracurium and nalbuphine in biological fluids. Mona E. El Sharkasy, M. Walsh, F. Belal, **M.M. Salim.**  
**Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117841**  
[DOI:[10.1016/j.saa.2019.117841](https://doi.org/10.1016/j.saa.2019.117841)]
20. First derivative synchronous spectrofluorimetric method for the simultaneous determination of propofol and cisatracurium besylate in biological fluids. Mona E. El Sharkasy, M. Walsh, F. Belal and **M.M. Salim.**  
**Luminescence. 2020, 35, 312–320**  
[DOI: [10.1002/bio.3729](https://doi.org/10.1002/bio.3729)]
21. Derivative Quotient Spectrophotometry and an Eco-Friendly Micellar Chromatographic Approach with Time-Programmed UV-Detection for the Separation of Two Fluoroquinolones and Phenazopyridine. Manar M. Tolba and **M. M. Salim.**  
**J Chromatogr Sci 2016, 54(5), 776-789**

[DOI: [10.1093/chromsci/bmw010](https://doi.org/10.1093/chromsci/bmw010)]

22. Simultaneous determination of valsartan, amlodipine besylate and hydrochlorothiazide using capillary zone electrophoresis (CZE). W. Ebeid, **M.M. Salim**, E. Elkady, A. Elzahr, R. El-Bagary and G. Patonay. *Die Pharmazie* **2015**, 70, 368–373.  
[DOI: [10.1691/ph.2015.4134](https://doi.org/10.1691/ph.2015.4134)]
23. Hydroxylated near-infrared BODIPY fluorophores as intracellular pH sensors. **M. M. Salim**, E. A. Owens, T. Gao, J. H. Lee, H. Hyun, H. S. Choi and M. Henary.  
*Analyst*. **2014**, 139, 4862-4873.  
[DOI: [10.1039/c4an01104j](https://doi.org/10.1039/c4an01104j)]
24. Simultaneous determination of aliskiren hemifumarate, amlodipine besylate, and hydrochlorothiazide in their triple mixture dosage form by capillary zone electrophoresis. **M. M. Salim**, W. M. Ebeid, N. El-Enany, F. Belal, M. Walash and G. Patonay.  
*J Sep Sci*. **2014**, 37, 1206-1213.  
[DOI: [10.1002/jssc.201301140](https://doi.org/10.1002/jssc.201301140)]
25. Micelle-enhanced spectrofluorimetric method for determination of sitagliptin and identification of potential alkaline degradation products using LC-MS. **M. M. Salim**, N. El-Enany, F. Belal, M. Walash and G. Patonay.  
*Luminescence*. **2014**, 29, 65-73.  
[DOI: [10.1002/bio.2503](https://doi.org/10.1002/bio.2503)]
26. Simultaneous Determination of Sitagliptin and Metformin in Pharmaceutical Preparations by Capillary Zone Electrophoresis and its Application to Human Plasma Analysis. **M. M. Salim**, N. El-Enany, F. Belal, M. Walash and G. Patonay.  
*Anal. Chem. Insights* **2012**, 7, 31-46.  
[DOI: [10.4137/ACI.S9940](https://doi.org/10.4137/ACI.S9940)]
27. Derivative Spectrophotometric Analysis of Benzophenone (as an impurity) in Phenytoin. M.I. Walash, M. Rizk, Z.A. Sheribah, **M.M. Salim**.  
*Chemistry Central Journal* **2011**, 5(1), 85.  
[DOI: [10.1186/1752-153X-5-85](https://doi.org/10.1186/1752-153X-5-85)]
28. Development and Validation of Spectrofluorimetric Method for Determination of Biotin in Bulk and Pharmaceutical preparations via its oxidation with cerium (IV). M.I. Walash, M. Rizk, Z.A. Sheribah, **M.M. Salim**.  
*Int. J. Biomed. Sci.* **2010**, 6(3), 268.
29. Kinetic Spectrophotometric Determination of Biotin in Pharmaceutical Preparations. M.I. Walash, M. Rizk, Z.A.

Sheribah, M.M. Salim.  
*Int. J. Biomed. Sci.* 2008, 4(3), 238.

## II. PAPERS UNDER PUBLICATION

- Stability-indicating LC Method for Determination of Telaprevir in Dosage Forms and Human Plasma. Identification of Potential Degradation Products using LCMS. **M. M. Salim**, N. El-Enany, F. Belal, M. Walsh and G. Patonay. **Drug Testing and Analysis (submitted)**.
- Simultaneous Determination of HCV Mandatory Combination Therapy Telaprevir and Ribavirin in Human Plasma by RP-HPLC: Application to pharmaceutical preparations. **M. M. Salim**, N. El-Enany, F. Belal, M. Walsh and G. Patonay. **Biomedical Chromatography (submitted)**.

## III. BOOKS, REVIEWS, AND THESIS

- **M. M. Salim**, “*Advanced Analytical Techniques for Determination of Trace Components in Pharmaceuticals*”, Master thesis, Mansoura, Egypt, **2009**.
- **M. M. Salim**, “*Determination of some hepatic and/or cardiovascular drugs using advanced analytical techniques*”, Ph.D. Dissertation, USA and Egypt (Channel System), **2014**.

## IV. PAPERS, ABSTRACTS AND POSTERS PRESENTED IN CONFERENCES

- Aya saad Radwan, Mahmoud M. Elkhoudary, Ghada M. Hadada, Fathalla Belal, and Mohamed **M. Salim**. “Green hydrothermal-assisted carbon dots synthesis for “turn-on” fluorometric determination of meloxicam in different dosage forms, and biological fluids: application to content uniformity”. The 3rd International Conference of Pharmaceutical Sciences (MUPHARM 2022), August 29-31, September 1-2, 2022, Faculty of Pharmacy, Mansoura University, Mansoura-Ain Sokhna, Egypt [Poster Presentation & workshop].
- F. Belal, **M. Salim**, S. Fawzy. “ Miceller HPLC method for the simultaneous determination of tilimicosin and tylosin in feedstuff and biological fluid. 1<sup>st</sup> International Pharmaceutical Sciences Conference “Drug development: From Benchside to Beside”,11-12 August **2018**, Faculty of Pharmacy, Menoufia University, Menoufia, Egypt. [Poster Presentation]
- F. Belal, M. Walsh, **M. Salim**, M. El-Sharkasy “Genetic algorithm with model updating based PLS regression for the spectrophotometric determination of Clopidogrel, Atorvastatin, Aspirin and its degradation product. 1<sup>st</sup> International Pharmaceutical Sciences Conference “Drug development: From Benchside to Beside”,11-12 August **2018**, Faculty of

- Pharmacy, Menoufia University, Menoufia, Egypt.[ Poster Presentation]
- Patonay, G., W. Abdelwahab, and **M. Salim**, "Separation and identification of forced degradation products of pharmaceuticals using simple analytical techniques", 252nd ACS National Meeting & Exposition, Philadelphia, PA, United States, **2016**, pp. **ANYL-193**. [Abstract]
  - M.I. Walash, M. Rizk, Z.A. Sheribah, **M.M. Salim**. Development and Validation of Spectrofluorimetric Method for Determination of Biotin in Bulk and Pharmaceutical preparations *via* its oxidation with cerium (IV). Al-Azhar 5<sup>th</sup> international conference of pharmaceutical and biological sciences, 13-14 Oct. 2008, Faculty of Pharmacy, Al- Azhar University, Cairo, Egypt.[ Poster Presentation]
  - M.I. Walash, M. Rizk, Z.A. Sheribah, **M.M. Salim**. Spectrophotometric Determination of Biotin *via* Oxidation with Potassium Persulfate. 1<sup>st</sup> International Pharmaceutical Sciences Conference "Pharmacy Education and Community Expectations", November 18-19 (2009), Faculty of Pharmacy, Tanta University, Tanta, Egypt.[ Poster Presentation]

## V. SUPERVISION

- Post-Graduate External student, Faculty of Pharmacy, Mansoura University (Pharmacist: **Sally Ashraf**)
  - Research Project (Analytical study of some veterinary drugs).
- Post-Graduate Internal student, Faculty of Pharmacy, Mansoura University (Demonstartor: **Mona El sayed El Sharkasy**)
  - Research Project (Analysis of some drugs used for the treatment of brain disorders).
- Post-Graduate External student, Faculty of Pharmacy, Tanta University (Demonstartor in Horus University - Egypt: **Aya Saad Radwan**)
  - Research Project (New Analytical Methods for Determination of Some Nitrogen and / or Carbonyl Group Containing Drugs).
- Post-Graduate External student, Faculty of Pharmacy, Port Said University (Assistant Lecturer in Horus University - Egypt: **Aya Saad Radwan**)
  - Research Project (New Analytical studies for Determination of Some cardiovascular drugs).
- Post-Graduate External student, Faculty of Pharmacy, Tanta University (Assistant Lecturer in Horus University - Egypt: **Aya Marie Abu El-Enin**)
  - Research Project (Univariate/Multivariate methods for Determination of antidibetic Drugs).

## VI. Scientific Committee in Charge

- **External Evaluator** for the Post-Graduate student, Faculty of Pharmacy, Tanta University (Pharmacist: **Samar Ibrahim Kamal Abukhashaba**)
  - Quantitative determination of some antihypertensive drugs in pharmaceutical dosage forms.
  - التقدير الكمي لبعض الأدوية الخافضة لضغط الدم في أشكالها الصيدلانية
  - Master's degree, 2022.
- **External Evaluator** for the Post-Graduate student, Faculty of Pharmacy, Tanta University (Pharmacist: **Rehab Hamdy Abdelatif Elmorsy Elattar**)
  - Metal complexes for determination of selected food additives.

- متراكبات معدنية لتعيين مضافات غذائية مختارة
- Master's degree, 2023

## VI. SCIENTIFIC ACTIVITIES

- **Reviewing papers for the following journals:**
  - Analytica Chimica Acta.
  - Journal of Association of Official Analytical Chemistry (AOAC).
  - Journal of Fluorescence (JOF).
  - African Journal of Pharmacy and Pharmacology (AJPP).
  - Current Analytical Chemistry.
  - DARU Journal of Pharmaceutical Sciences.
  - European Journal of Chemistry (EurJChem).
  - Journal of Liquid Chromatography & Related Technologies.
  - Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy.
  - Journal of Chromatographic Science.
- **Speaker in the 1<sup>st</sup> Capillary Electrophoresis Workshop**, Unit of Drug Analysis and Pharmaceutical preparations, Faculty of Pharmacy, Mansoura University, May 12<sup>th</sup> – 14<sup>th</sup>, **2015** (3 credit Hours).
- **Speaker in the International EPSF Workshop**, Central Research Lab, Faculty of Pharmacy, Horus University-Egypt, July 29<sup>th</sup> – 30<sup>th</sup>, **2021** (3 credit Hours).

## VII. COMMUNITY SERVICE

1. Member in Student Union Selection committee [2015/2016].
2. Head of Holy Quran Recitation and Memorization Competetion committee [2014 - 2018].
3. Head of The Prophet Hadith Memorization Competetion committee [2017/2018].
4. Secretary of the Pharmaceutical analytical chemistry Department Council, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt [9/2015 - 9/2016].
5. Member of the Pharmaceutical analytical chemistry Department Council, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt [9/2014 - 9/2017].
6. Member in "Libraries Committee" in Faculty of Pharmacy, Mansoura University, Egypt [2015-2018]
7. Member of the exam control in Faculty of Pharmacy, Mansoura University, Egypt [2003-2018]

## VIII. Research Profiles

**Scopus:** <http://www.scopus.com/authid/detail.url?authorId=36115167300>  
**Google Scholar:** <https://scholar.google.com/citations?hl=en&user=z7ZNmLwAAAAJ>  
**Researchgate:** [https://www.researchgate.net/profile/Mohamed\\_Salim6](https://www.researchgate.net/profile/Mohamed_Salim6)  
**ORCID ID:** <https://orcid.org/0000-0003-4429-6504>  
**WOS ResearcherID:** [O-1103-2018](https://orcid.org/0000-0003-4429-6504)  
**Publons:** <https://publons.com/researcher/1886375/mohamed-m-salim/>  
**Mendeley:** <https://www.mendeley.com/profiles/mohamed-m-salim/>  
**Academia:** <https://mansoura.academia.edu/MohamedAhmedSalim>

**h-Index: 9 (Scopus 2023, 276 Citations) & 9 (Google Scholar 2023, 368 Citations)**

## IX. Skills

- Foreign languages: English (excellent, ibt TOEFL)
- Advanced computer skills [International Computer Driving License (ICDL)].
- Good command of Learning Management Systems (LMS) such as MOODLE.
- Professional skills in several scientific software such as GraphPad Prism® 8 and EndNote® 9.

## X. REFERENCE SCIENTISTS

### **Fathalla F. Belal**

**Head** of Supreme Council of Universities  
Professor Promotion Committee,  
Professor of Pharmaceutical Anal. Chem.,  
Faculty of Pharmacy, Mansoura University,  
Mansoura 35116, Egypt.  
E-mail: [ffbelal@yahoo.com](mailto:ffbelal@yahoo.com)

### **Nahed M. El-Anany**

Professor of Pharmaceutical Anal. Chem.,  
**Dean** of Faculty of Pharmacy, New Mansoura  
University,  
Mansoura 35116, Egypt.  
E-mail: [nelenany1@yahoo.com](mailto:nelenany1@yahoo.com)

### **G. Patonay**

Professor of Anal. Chem,  
Chemistry Department,  
Georgia State University,  
Atlanta, Georgia 30303, USA.  
E-mail: [gpatonay@gsu.edu](mailto:gpatonay@gsu.edu)

### **Yasser El-Shabrawy**

Professor of Pharmaceutical Anal. Chem. Dept.,  
**Vice Dean** for Environmental Affairs  
Faculty of Pharmacy, Mansoura University,  
Mansoura 35116, Egypt.  
E-mail: [yshabrawy\\_2000@yahoo.com](mailto:yshabrawy_2000@yahoo.com)