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# Curriculum Vita



## Personal information

**Name:** Hytham Mymoon Abbas AHMED

**الاسم:** هيثم ميمون عباس أحمد

**Birth date:** January 06, 1973

**Current Position** Vice Dean for Postgraduate Studies and Research, Faculty of pharmacy, Menoufia Univesity and Associate Professor in Pharmaceutical Analysis in Pharmaceutical Analysis Department, Faculty of pharmacy, Menoufia Univesity (2017 till now)

**Ph.D.** **PhD** in Pharmaceutical Analytical Chemistry, **Bradford University, Bradford, England, UK**

TITLE OF PhD. THESIS: “Capillary electrophoresis analysis of low detection drugs using laser-induced flurescence detection : capillary electrophoresis and spectrofluorometric analysis of low detection drugs using fluorogenic derivatizing reagents with fluorescence and laser induced flourescence detection” **2004-2007**

PhD. THESIS Permanent Link: <https://catalogue.brad.ac.uk/record=b1154817~S1>

**MSc** **MSc** in Pharmaceutical Analytical Chemistry, **Assuit University, Faculty of Pharmacy, Assuit, Egypt**

TITLE OF MSc. THESIS: HPLC Analysis of aztreonam **1996-1999**

**BSc** **BSc** in Pharmacy (Very Good Honors), **Ranked third** of 104 students. **1989-1994 Tanta University , Faculty of Pharmacy, Tanta, Egypt**

**Work Address:** Pharmaceutical Analysis Department, Faculty of pharmacy, Menoufia Univesity, Menoufia Governorate, Egypt.

**My Google Scholar web page** [https://scholar.google.com/eg/citations?hl=en&user=pYbhU0sAAAAJ&view\\_op=list\\_works](https://scholar.google.com/eg/citations?hl=en&user=pYbhU0sAAAAJ&view_op=list_works)

**Mobile Tel:** +201004844589

**Email:** [hmaahmed@yahoo.co.uk](mailto:hmaahmed@yahoo.co.uk)

## EMPLOYMENT HISTORY

- 2017- Now Vice Dean for Postgraduate Studies and Research, Faculty of pharmacy, Menoufia Univesity and Associate Professor in Pharmaceutical Analysis in Pharmaceutical Analysis Department, Faculty of pharmacy, Menoufia Univesity.
- 2015 - 2017 Vice Dean for Postgraduate Studies and Research, Faculty of pharmacy, Damanhour Univesity and Associate Professor in Pharmaceutical Analysis in Pharmaceutical Analysis Department, Faculty of pharmacy, Damanhour Univesity.
- 2011-2015 Lecturer in Pharmaceutical Analysis, in Pharmaceutical Analysis Department, Faculty of pharmacy, Damanhour Univesity.
- 2008-2011 Lecturer in Pharmaceutical Analysis, in Analytical chemistry Department, Faculty of pharmacy, Minia Univesity.
- 1999-2007 Teaching assistant in Analytical Chemistry, in Analytical chemistry department, Faculty of pharmacy, Minia Univesity.
- 1996-1999 Demonstrator in Analytical chemistry department Faculty of pharmacy, Azhar Univesity

## TRAINING

- 2016 - 2017 | LC-MS/MS Project (Post-doctoral fellow) at Nottingham University, Nottingham, England, UK
- 2008 - 2010 | QC/RD consultant, in SEDICO Pharmaceutical, Egypt
- 2004 | ICDL certificate in all modules
- 1997 | HPLC training course, Cairo, Egypt

**AWARDS:** Scientific Encouragement Award **2016** of Damanhour University, Egypt

## ACTIVITIES

*Activities at Faculty of Pharmacy, Menoufia University, Egypt:*

- 1- Vice Dean for Postgraduate Studies and Research
- 2- The main organizer and Secretary General for the **First International Pharmaceutical Sciences Conference** “Drug Development:

*Activities at Faculty of Pharmacy, Damanhour University, Egypt:*

- 1- Vice Dean for Postgraduate Studies and Research

From Benchside To Bedside” Menoufia, Egypt, August, 11th – 12th , 2018

- 3- Leader of Research Project to improve clinical pharmacy in the University hospital.
- 4- Coordinator for updating Department Course Portfolios
- 2- Leader of Accreditation Project for Drug Analysis Lab.
- 3- Coordinator for updating Department Course Portfolios

## EXPERIENCES

- Analytical method development and validation. Setup of the analytical methods including validation procedures, execution of analytical protocols, management of the work load and work flow, and setup of good laboratory practice. Stability indicating assay method development.
- Impurity testing and photostability testing of drug substances and products, compatibility study of drug substance with the combined excepients, analytical methodologies including high-performance liquid chromatography (HPLC), thin-layer chromatography (TLC) and Capillary Electrophoresis.
- Drug metabolism and stereoselective drug metabolism study, Derivatization for HPLC-UV detection, Conducting the analytical part of bioequivalence testing according to

USP/FDA/ICH/EMEA guidelines, Implementation and learning of regulatory guidelines including; current Good Manufacturing Practice (cGMP), Good Laboratory Practice (GLP), International Conference of Harmonization (ICH), Food and Drug Administration (FDA), and official Compendial monographs.

- Strategy of drug development and qualification,
- Documentation system in quality control lab including Standard Operating Procedures; writing standard operating procedure, assessment of the results, handling and issuing of the generated records, maintenance and calibration of the laboratory instrument, materials inventory, training of QC personnel, assistance personnel and candidate students, drafting of progress reports
- Installation and operational qualification of analytical instrument.
- Management of Quality Control Department.

## LIST OF PUBLICATIONS:

### BOOK CHAPTERS:

#### Applications of Ion-Exchange Chromatography in Pharmaceutical Analysis

SM Derayea, **HM Ahmed**

Book: Applications of Ion Exchange Materials in Biomedical Industries, 119-138 (2019)

#### Complementary and Alternative Medicine Use in Hypertension: The Good, the Bad, and the Ugly: Hypertension Treatment From Nature–Myth or Fact?

A Shatnawi, A Shafer, **H Ahmed**, F Elbarbry

Book: Complementary and Alternative Medicine: Breakthroughs in Research and Practice (2019)

### SCIENTIFIC PAPERS

A Barseem, **H Ahmed**, Y El-Shabrawy, F Belal (2019) “The use of SDS micelles as additive to increase fluorescence analysis of sitagliptin and saxagliptin derivatives in their tablets and human plasma” *Microchemical Journal* 146, 20-24

MAA Ragab, MH Abdel-Hay, **HM Ahmed**, SM Mohyeldin (2019) “Application of Capillary Zone Electrophoresis Coupled with a Diode Array Detector (CZE-DAD) to Simultaneous Analysis of Ibuprofen and Phenylephrine” *Journal of AOAC International*, 102

HYAE Abeer M. E. Hassan, **H. M. Ahmed (2018)** “New Simple Ion-Selective Membrane Electrode for Serious Environmental Pollutant, Mercury (II), Analysis in Aqueous Solution, Fluorescent Mercury Lamp White Dust, Mercurochrome and Dental Alloy” *Current Analytical Chemistry* 14 (1), 36-42

MH Abdel-Hay, MAA Ragab, **HM Ahmed**, SM Mohyeldin (2017) “Diode array detection and derivative spectroscopic methods for stability study of Oxprenolol and Cyclopenthiazide in liquids” *Journal of Molecular Liquids* 231, 314-324

Sanaa M. Emama, Abdou S. El-Tabla, **Hytham M. Ahmed**, Eman A. Emad (2017) “Synthesis, structural characterization, electrochemical and biological studies on divalent metal chelates of a new ligand derived

from pharmaceutical preservative, dehydroacetic acid, with 1,4-diaminobenzene” *Arabian Journal of Chemistry*, 10, S3816–S3825

SA Mohammed, MS Eissa, **HM Ahmed** (2017) “Simple protein precipitation extraction technique followed by validated chromatographic method for linezolid analysis in real human plasma samples to study its pharmacokinetics” *Journal of Chromatography B*, 1043, 235-240

MS Masoud, HA Farag, AA Zaatout, HM Kamel, MH ElGreatly, **HM Ahmed** (2017) “Recovery of some valuable components from industrial waste” *Separation Science and Technology*, 52:3, 512-519

Mostafa M Baker · Tarek S Belal · Mohamed S Mahrous · **Hytham M Ahmed** · Hoda G Daabees (2016) “High-performance liquid chromatography with diode array detection method for the simultaneous determination of seven selected phosphodiesterase-5 inhibitors and serotonin reuptake inhibitors used as male sexual enhancers” *Journal of Separation Science*, 39, 1656–1665

Mohamed M Ghoneim · Hanaa S El-Desoky · **Hytham M Ahmed** · Fared M El-Badawy (2016) “ Nano Determination of Kinase Inhibitor Sorafenib Drug in Pharmaceutical Formulation and Human Blood at a Modified Carbon Paste Electrode” *Journal of The Electrochemical Society*, volume 163, issue 6.

Mostafa Baker · Tarek Belal · Mohamed Mahrous · **Hytham Ahmed** · Hoda Daabees (2016) “Validated Stability-Indicating HPLC-DAD Method for Simultaneous Determination of Econazole Nitrate, Triamcinolone Acetonide, Benzoic Acid and Butylated Hydroxyanisole in Cream Dosage Form” *Analytical methods*, 8, 2185-2200

Hatem Elmongy · **Hytham Ahmed** · Abdel-Aziz Wahbi · Ahmad Amini · Anders Colmsjö · Mohamed Abdel-Rehim (2016)” Determination of metoprolol enantiomers in human plasma and saliva samples utilizing microextraction by packed sorbent and liquid chromatography - tandem mass spectrometry” *Biomedical Chromatography*, 30 (8), 1309-1317

Sayed M Derayea · **Hytham M Ahmed** · Osama H Abdelmageed · Ahmed M Haredy (2015) “New Valid Spectrofluorimetric Method for Determination of Selected Cephalosporins in Different Pharmaceutical Formulations Using Safranin As Fluorophore” *Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy*, 153, 655-660

Hatem Elmongy · **Hytham Ahmed** · Abdel-Aziz Wahbi · Hirsh Koyi · Mohamed Abdel-Rehim (2015) “Online post-column solvent assisted and direct solvent-assisted electrospray ionization for chiral analysis of propranolol enantiomers in plasma samples” *Journal of Chromatography A*, 1418, 110-118

Sundeep Bath · Wael Ebied · **Hytham Ahmed** · Fawzy Elbarbry (2015) “Development and Validation of a New Simple Liquid Chromatographic Method for Determination of Coumarin and its 7-Hydroxy Metabolite as a Marker of Cytochrome P450 2A6 in Rats” *Journal of Applied Pharmaceutical Science* 08/2015; 5(07):130-135.

Ahmad M. El-Desoky, **Hytham M. Ahmed** and Alaa E. Ali (2015) “Electrochemical and Analytical Study of the Corrosion Inhibitory behavior of Expired Pharmaceutical Compounds for C- Steel Corrosion” *International Journal Of Electrochemical Science*, 10(6):5112-5129

**Hytham M Ahmed** and Wael M Ebied (2015) “The use of laser-induced fluorescence or ultraviolet detectors for sensitive and selective analysis of tobramycin or erythropoietin in complex samples” *Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy*, 143, 12-19.

**Hytham M. Ahmed**, Mona A. Mohamed and Waheed M. Salem (2015) “New voltammetric analysis of olanzapine in tablets and human urine samples using a modified carbon paste sensor electrode incorporating gold nanoparticles and glutamine in a micellar medium” *Analytical Methods*, 2015,7, 581-589

Mahmoud A. Omar, **Hytham M. Ahmed**, Mohamed A. Hammad, Sayed M. Derayea (2015) “Validated spectrofluorimetric method for determination of selected aminoglycosides” *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 135, 25 January 2015, Pages 472–478

Tarek S. Belal, **Hytham M. Ahmed**, Mohamed S. Mahrous, Hoda G. Daabees, Mostafa M. Baker e (2014) “Validated stability-indicating HPLC-DAD method for determination of the phosphodiesterase (PDE-4) inhibitor roflumilast” *Bulletin of Faculty of Pharmacy, Cairo University*, Volume 52 (1), 79–89

Wael M Ebied, **Hytham M Ahmed**, Fawzy A Elbarbry (2014) “Production and analysis of a biosimilar erythropoietin in Egypt” *Biosimilars*, 2014:4, 11-22

Mamdouh S. Masoud, Alaa E. Ali, **Hytham M. Ahmed**, Essam A. Mohamed (2013) “Spectral studies and thermal analysis of new vanadium complexes of ethanolamine and related compounds”. *Journal of Molecular Structure* 1050, 43–52

**Hytham Ahmed**, Fawzy Elbarbry and Brian Clark (2012) “Mixed Micellar Electrokinetic Chromatographic Analysis of Colistin, Polypeptide Antibiotic, Using Laser-Induced Fluorescence Detection. *American Journal of Analytical Chemistry*, 3, 233-241

**Hytham Ahmed** and Brian J. Clark (2007) “spectrofluorimetric determination of tiotropium bromide, by ion pair extraction using 9, 10 dimethoxyanthracene-2-sulphonate sodium” *journal of ion exchange*, vol. 18, no. 4.

## PRESENTATIONS

**Hytham Ahmed** (2018) “CZE and HPTLC methods for simultaneous determination of candesartan in binary mixtures with amlodipine and hydrochlorothiazide” 7th Edition of International Conference and Exhibition on Separation Techniques, July 05-07, **Berlin, Germany**

**Hytham M. Ahmed**, Fawzy A El-Yazbi, Tarek S Belal Sohaila M Elonsy, Rasha A Shaalan (2018) “CZE and HPTLC determination of Candesartan in binary mixtures with Amlodipine and Hydrochlorothiazide” 5th Annual Congress on Chemistry in Drug Discovery & Designing, Apr 16-18, **Dubai, UAE.**

Fawzy A El-Yazbi, **Hytham M. Ahmed**, Tarek S Belal Sohaila M Elonsy, Rasha A Shaalan (2016) “Validated Capillary Zone Electrophoretic Method for Simultaneous Determination of Some Antihypertensive Drugs in Their Single-pill Combination Therapy” Pittcon 2016, March 6 – 10 at the Georgia World Congress Center in Atlanta, **Georgia, USA**

Mamdouh S. Masoud, **Hytham M. Ahmed**, Alaa E. Ali, Rana.M.Atta (2015)“Spectrophotometric studies on chelating behavior of entacapone” 3rd FUE International Conference of Pharmaceutical Sciences (3rd FUE-ICPS), **Cairo, Egypt**

Mona A. Mohamed, Ali K. Attia, Waheed M. Salem and **Hytham M. Ahmed** (2014) “new voltammetric method for the determination of metformin using pyrogallol” 5th International Conference on Advances in Chemistry and Applied Chemistry (ICACAC-5) , **Cairo, Egypt**, 21-23 Oct.

**Hytham Ahmed** and Wael B. Ebeid (2013) “The Use of Discontinuous Buffers in Capillary Electrophoresis Analysis of Biopharmaceuticals” 39th International Symposium on High Performance Liquid Phase Separations and Related Techniques. **NT, Amsterdam**, 16-20 June

Amal Ammar and **Hytham Ahmed** (2012) “Chromatographic determination of Doxycycline using three new reversed Phase columns”. Poster presentation, 1st Conference on Science Diplomacy and Developments in Chemistry 24 - 26 November, Alexandria – Egypt

**Hytham Ahmed** and Wael B. Ebeid (2011) “sensitive capillary electrophoresis method for the analysis of erythropoietin in the presence of albumin by the use of electrokinetic injection” Poster presentation, the 17th latin-american symposium on biotechnology,biomedical, biopharmaceutical and industrial applications of capillary electrophoresis and microchip technology (LACE 2011) Hollywood, **Florida, USA**, December 02- 06

Amal Ammar and **Hytham Ahmed** (2010) “evaluation of fused-core silica stationary phases for the chromatographic analysis of different pharmaceutical drugs”. Poster presentation, 2<sup>nd</sup> Scientific Conference of Faculty of Pharmacy Cairo University, **Cairo, Egypt**.

**Hytham Ahmed** and Brian J. Clark (2007) “micellar electrokinetic capillary chromatography For fast separation and sensitive determination of polymyxins using laser-induced fluorescence detection” Poster presentation, research open day, University of Bradford, **Bradford, UK**.

**Hytham Ahmed** and Brian J. Clark (2007) “analysis of cationic polypeptides using capillary electrophoresis with laser-induced fluorescence” poster presentation, 31st international symposium on high performance liquid phase separations and related techniques, **Gent, Belgium**.

**Hytham Ahmed** and Brian J. Clark (2007) “analysis of aminoglycosides using capillary electrophoresis with laser-induced fluorescence” poster presentation, analytical research forum 2007, University of Strathclyde, **Glasgow , UK**.

**Hytham Ahmed** and Brian J. Clark (2007) “spectrofluorimetric determination of tiotropium bromide, by ion pair extraction using 9, 10 dimethoxyanthracene-2-sulphonate sodium” oral presentation, 4th international conference on ion exchange, **Chiba, Japan**.

Alaa Khedr, Samia El-gizawy, Hosny El-sherief, **Hytham Ahmed** (1998). “high performance liquid chromatographic assay of aztreonam in presence of its degradation products using metal additive” 1st Pharmaceutical Conference of Faculty of Pharmacy Assuit University, **Assuit, Egypt** .