

CURRICULUM VITAE

Dr. Essam Fathy Khamis



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Scientific Degrees:

- 1) B. Pharm. Sci. (Bachelor in Pharmaceutical Sciences, June 1987)
Distinction Honor.
Faculty of Pharmacy, University of Alexandria, Egypt
- 2) M. Pharm. Sci. (Master in Pharmaceutical Sciences, February 1994)
Faculty of Pharmacy, University of Alexandria, Egypt
- 3) Ph. D. of Pharmaceutical Sciences (October 1998)
Faculty of Pharmacy, University of Alexandria, Egypt

Professional Career:

Associate Professor of Pharmaceutical Analytical Chemistry, Dept. of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.

Scientific Degrees:

Demonstrator in the Dept. of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria, Egypt (December 1988 - February 1994)

Assistant Lecturer, Dept. of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria, Egypt (February 1994 - October 1998)

Assistant in the School of Pharmacy, Dept. of Medicinal Chemistry, Lausanne University, Switzerland (October 1992 - July 1993)

Lecturer (Assistant Professor) of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria, Egypt. (October 1998 – August 2006)

Lecturer (Assistant Professor) of Pharm. Anal. Chem., Faculty of Pharmacy, Pharos University in Alexandria (PUA), Egypt. (September 2006 – April 2010)

Associate Professor of Pharm. Anal. Chem., Faculty of Pharmacy, Pharos University in Alexandria (PUA), Egypt. (April 2010 – August 2011)

Associate professor of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria, Egypt. (August 2011- till present)

Associate professor of Pharm. Anal. Chem., Faculty of Pharmacy, Delta University (DU), Egypt. (September 2016 – August 2017)

Experience:

1. Head of department of Pharm. Anal. Chemistry, Faculty of Pharmacy, Alexandria University, March 2019 – July 2019.
2. Teaching and preparation of undergraduate and graduate courses in Faculty of Pharmacy, Alexandria University (for both regular and clinical programs), Pharos University in Alexandria and Delta University.
3. Different analytical techniques including UV, fluorimetry, HPLC and HPTLC methods.
4. Conducting research and supervising graduate students.
5. Design of analytical methods for various pharmaceutical compounds in different matrices and analytical problem solving.
6. Member in the team of the project B-003-HO funded by the International Bank through HEEPF (September 2004 - August 2006)

7. Invigilation and control work (vice-president of controls in both PUA and Alexandria University)
8. Member of the committee for interviewing new demonstrators, technicians and chemists.
9. Member of supervision committee for MSc and PhD theses.
10. Member of examiners committee for MSc thesis.
11. External examiner for oral exams in other universities.
12. Member of evaluation committee in Encephalon Project organized by Bibliotheca Alexandrina, 2017.

Hobbies:

1. Reading
2. Jogging
3. Travelling
4. Playing chess
5. Coins collection
6. Watching TV

LIST OF PUBLICATIONS

A. Thesis and Dissertation:

Master's Thesis :

Analysis of certain esters and amides of pharmaceutical interest.

Ph. D. Dissertation :

Chemical analysis of some selected antimicrobial drugs

B. Papers:

1. A stability-indicating first-derivative spectrophotometric assay of acetazolamide and its use in dissolution and kinetic studies,
E.F. Khamis, M. Abdel-Hamid, E.M. Hassan and M.A. Elsayed,
Journal of Clinical Pharmacy and Therapeutics, 18, 97-101, 1993
2. Second-derivative spectrophotometric determination of cyclofenil in the presence of its acid-induced degradation products,

E.M. Hassan, M.A. El Sayed and **E.F. Khamis**,
S.t.p. Pharma Sciences, 4(4), 305-308, 1994

3. Structural properties governing retention mechanisms on RP-HPLC stationary phases used for lipophilicity measurements,
A. Pagliara, **E.F. Khamis**, A. Trinh, P.-A. Carrupt, E.-S. Tsai and B. Testa,
J. Liq. Chromatogr., 18(9), 1721-1745, 1995
4. Selective spectrofluorimetric determination of beta-lactam antibiotics through the formation of their coumarin derivatives.
A.M. El Walily, A.A. Gazy, S.F. Belal and **E.F. Khamis**,
J. Pharm. Biomed. Anal., 20, 643-653, 1999
5. Quantitative determination of some thiazole cephalosporins through complexation with palladium (II) chloride,
A.M. El Walily, A.A. Gazy, S.F. Belal and **E.F. Khamis**,
J. Pharm. Biomed. Anal., 22, 385-392, 2000
6. Use of cerium (IV) in the spectrophotometric and spectrofluorimetric determinations of penicillins and cephalosporins in their pharma-ceutical preparations,
A.M. El Walily, A.A. Gazy, S.F. Belal and **E.F. Khamis**,
Spectroscopy Letters, 33(6), 931-948, 2000
7. Application of H-point standard additions method to spectrophotometric and spectrofluorimetric determinations of glafenine and glafenic acid in mixtures,
S.M. Sabry and **E.F. Khamis**,
Talanta, 51, 1219-1231, 2000
8. Application of orthogonal functions to pharmaceutical analysis, generation of derivative curves,
A. Wahbi, E. Hassan, D. Hamdy, **E.F. Khamis** and M. Barary,
Saudi Pharmaceutical Journal, 13(1), 14-33, 2005
9. Spectrophotometric methods for the determination of ibuprofen in tablets,
A. Wahbi, E. Hassan, D. Hamdy, **E.F. Khamis** and M. Barary,
Pakistan Journal of Pharmaceutical Sciences, 18(4), 1-6, 2005
10. Spectrophotometric and spectrofluorimetric methods for the determination of fluvoxamine maleate with ninhydrin in drug formulation,
M.A. El-Sayed, R.M. Youssef, **E.F. Khamis**, H. Mahgoub and A.A. Gazy,

World Congress of Pharmacy and Pharmaceutical Sciences, 2005, 65th Congress of FIP, abstract code QP-P-005

11. Differential Pulse, Square Wave and Adsorptive Stripping Voltammetric Quantification of Tianeptine in Tablets,
A.A. Gazy, H. Mahgoub, **E.F. Khamis**, R.M. Youssef and M.A. El-Sayed,
J. Pharm. Biomed. Anal., 41, 1157-1163, 2006
12. Assay of Buspirone Hydrochloride in Tablets Using Kinetic Spectrophotometry,
Rasha M. Youssef, **Essam F. Khamis**, Azza A. Gazy, Hoda Mahgoub and M. A. El-Sayed,
The Chinese Pharmaceutical Journal, 58, 85-94, 2006
13. Spectrofluorimetric and Spectrophotometric Determination of Cephadrine and Cefaclor,
Suzy M. Sabry, S. F. Belal, **Essam F. Khamis** and Dina A. Gawad
Analytical Chemistry, An Indian Journal, 5(1-6), 101-107, 2007
14. Development of a differential pulse voltammetric method for the determination of Silymarin/Vitamin E acetate mixture in pharmaceuticals,
Ekram M. Hassan, **Essam F. Khamis**, Eman I. El-Kimary and Magda A. Barary,
Talanta, 74, 773-778, 2008
15. Analysis of Three Hepatoprotectant Binary Mixtures containing Silymarin in Pharmaceutical Preparations,
Ekram M. Hassan, **Essam F. Khamis**, Eman I. El-Kimary and Magda A. Barary,
Mansoura Journal of Pharmaceutical Sciences, 24(1), 17-33, 2008
16. Derivative Spectrophotometry in the Visible Region using Absorbance versus log Wavelength or Wavenumber Determination of Cyanocobolamin in Injection Solutions,
A. Wahbi, E. Hassan, M. Barary, **E.F. Khamis** and D. Hamdy,
Pakistan Journal of Pharmaceutical Sciences, 20(2), 93-99, 2007
17. Kinetic spectrophotometric methods for the determination of artificial sweetener (Sucralose) in tablets,
Rasha M. Youssef, Mohamed A. Korany, **Essam F. Khamis**, Hoda Mahgoub, and Miranda F. Kamal,
Drug Test. Analysis, 3, 214-220, 2011
18. Spectrophotometric Assay of Oseltamivir Counterfeit Pharmaceutical Preparations,
Rasha M. Youssef, **Essam F. Khamis**, Fawzi A. El-Yazbi and Sameh E. Younis,

Dubai International Pharmaceuticals & Technologies Conference & Exhibition, Dubai, UAE, March 2012, Poster code A104

19. Graphical Spectrophotometric Determination of Ionization Constants of Entacapone and its Quantification in Tablets and Plasma,
Rasha M. Youssef, **Essam F. Khamis**, Sameh E. Younis and Fawzi A. El-Yazbi,
World Journal of Pharmacy and Pharmaceutical Sciences, Volume 2, Issue 1, 1-24, 2012
20. Validated HPTLC method for simultaneous determination of loratadine and desloratadine in presence of co formulated drug,
Rasha M. Youssef, **Essam F. Khamis**, Mahmoud A. Elsayed and Mona M. Abdel Moneim,
Journal of Planar Chromatography, 25, 5, 2012
21. Micro determination of Ebastine in its solid dosage form,
Essam F. Khamis, Rasha M. Youssef, Mahmoud A. El-Sayed, Mona M. Abdel Moneim,
40 International Conference on Coordination Chemistry, Valencia, Spain, September 2012, Poster code MS.D1.P.563
22. Validated High-Performance Thin-Layer Chromatographic Method for the Evaluation of Oseltamivir Pharmaceutical Formulations Counterfeited with Ascorbic Acid Compared with a Colorimetric Method,
Rasha M. Youssef, **Essam F. Khamis**, Sameh E. Younis, and Fawzi A. El-Yazbi,
Journal of Planar Chromatography 26, 5, 427- 434, 2013
23. Development and validation of spectrophotometric and HPTLC methods for simultaneous determination of rosiglitazone maleate and metformin hydrochloride in the presence of interfering matrix excipients,
Hoda Mahgoub, Rasha M. Youssef, Mohamed A. Korany, **Essam F. Khamis**, and Miranda F. Kamal,
Drug Development and Industrial Pharmacy, online 1- 9, 2013
24. Development and Validation of a High-Performance Thin-Layer Chromatographic Method for the Assay of Ternary Mixtures Containing Cetirizine Dihydrochloride in Pharmaceutical Dosage Forms,
Rasha M. Youssef, **Essam F. Khamis**, Mahmoud A. El-Sayed, and Mona M. Abdel Moneim,
Journal of Planar Chromatography 27, 1, 58–65, 2014, 2014
25. High Performance Liquid Chromatographic Determination of the Ternary Mixture of Caffeine, Dipyrone and Drotaverine Hydrochloride in Tablets Dosage Form,

Tarek S. Belal , **Essam F. Khamis** , Fawzy A. El Yazbi and Mohamed M.A. Hamdy,
Journal of Applied Pharmaceutical Science 3 (06), 33 - 39, June 2014

26. Validated Novel Spectrophotometric Methods for the Quantitation of Eszopiclone,
Sameh E. Younis, Fawzi A. El-Yazbi, Rasha M. Youssef, and **Essam F. Khamis**,
3rd FUE International Conference of Pharmaceutical Sciences, Future University, Cairo
February 2015, Poster Code P-DD-3
27. Development and Validation of First Derivative Method and Artificial Neural Network
for Simultaneous Spectrophotometric Determination of Two Closely Related Antioxidant
Nutraceuticals in Their Binary Mixture,
Mohamed Korany, Azza Gazy, **Essam Khamis**, Marwa Adel, and Miranda Fawzy
XIII International Conference on Materials and Chemical Engineering, Jeddah, KSA,
January 2015.
28. Development and Validation of a High-Performance Thin-Layer Chromatographic
Method for the Simultaneous Determination of Two Binary Mixtures Containing
Ketorolac Tromethamine with Phenylephrine Hydrochloride and with Febuxostat,
Fawzy A. El Yazbi, Ekram M. Hassan, **Essam F. Khamis**, Marwa A.A. Ragab, and
Mohamed M.A. Hamdy
Journal of Chromatographic Science, 1–10, 2016
29. HPTLC and Spectrophotometric Estimation of Febuxostat and Diclofenac Potassium
in Their Combined Tablets,
Fawzi A. El-Yazbi, Omayma A. Amin, Eman I. El-Kimary, **Essam F. Khamis**, and
Sameh E. Younis
Journal of Chromatographic Science, Vol. 54, No. 7, 1146–1152, 2016
30. HPTLC analysis of ternary mixture containing ketorolac tromethamine, phenylephrine
hydrochloride, and chlorpheniramine maleate,
Fawzy A. El Yazbi, Ekram M. Hassan, **Essam F. Khamis**, Marwa A. A. Ragab, and
Mohamed M. A. Hamdy
Journal of Liquid Chromatography & Related Technologies, VOL. 39, Nos. 19–20, 869–
876, 2016
31. Development and Validation of a High-Performance Thin-Layer Chromatographic
Method for the Simultaneous Determination of Two Binary Mixtures Containing
Ketorolac Tromethamine with Phenylephrine Hydrochloride and with Febuxostat,
Fawzy A. El Yazbi, Ekram M. Hassan, **Essam F. Khamis**, Marwa A.A. Ragab, and
Mohamed M.A. Hamdy
Journal of Chromatographic Science, Vol. 54, No. 5, 819–828, 2016
32. Stability indicating HPLC-DAD method for analysis of Ketorolac binary and ternary

- mixtures in eye drops: Quantitative analysis in rabbit aqueous humour,
Fawzy A. El Yazbi, Ekram M. Hassan, **Essam F. Khamis**, Marwa A.A. Ragab and
Mohamed M.A. Hamdy
Journal of Chromatography B, 1068-1069, 218-225, 2017
33. Analysis of Closely Related Antioxidant Nutraceuticals Using the Green Analytical
Methodology of ANN and Smart Spectrophotometric Method,
Mohamed A. Korany, Azza A. Gazy, **Essam F. Khamis**, Marwa A.A. Ragab and
Miranda F. Kamal
Journal of AOAC International Vol. 100, No. 1, 8-17, 2017
34. Novel Validated HPTLC Method for the Analysis of Two Binary Mixtures Containing
Tamsulosin Hydrochloride with Antimuscarinic Agents,
Eman I. El-Kimary, **Essam F. Khamis**, Saeid F. Belal, and Mona M. Abdel Moneim
Journal of Chromatographic Science, 1–11, 2017
35. Spectrophotometric analysis of two eye preparations, vial and drops, containing ketorolac
tromethamine and phenylephrine hydrochloride binary mixture and their ternary mixture
with chlorpheniramine maleate,
Marwa A.A. Ragab , Fawzy A. El Yazbi , Ekram M. Hassan , **Essam F. Khamis** and
Mohamed M.A. Hamdy
Bulletin of Faculty of Pharmacy, Cairo University, 2018 (in press)
36. High-performance thin-layer chromatographic methods for the determination of
febuxostat and febuxostat/diclofenac combination in human plasma,
Fawzi A. El-Yazbi, Omayma A. Amin, Eman I. El-Kimary, **Essam F. Khamis** and
Sameh E. Younis
Journal of Chromatography B, 1086, 89-96, 2018
37. Stability Studies of Over the Counter Quaternary Mixture Containing Phenylephrine
Hydrochloride, Chlorpheniramine Maleate, Paracetamol and Caffeine Using Different
Chromatographic Methods,
Marwa A.A. Ragab, Fawzy A. El Yazbi, Ekram M. Hassan, **Essam F. Khamis** and
Mohamed M.A. Hamdy
Analytical Chemistry Letters, 331-347, 2018
38. Sensitive inexpensive chromatographic determination of an antimicrobial combination in
human plasma and its pharmacokinetic application,
Eman I.El-Kimary, **Essam F.Khamis**, Saeid F.Belal and Mona M.Abdel Moneim
Journal of Chromatography B, Volumes 1097–1098, 94-100, 2018
39. Simultaneous determination of methocarbamol and aspirin in presence of their
pharmacoepial-related substances in combined tablets using novel HPLC-DAD method,

Fawzi A. El-Yazbi, Omayma A. Amin, Eman I. El-Kimary, **Essam F. Khamis** & Sameh E. Younis

Drug Development and Industrial Pharmacy, posted online: 11 Oct 2018, Published online: 26 Oct 2018

40. A novel voltammetry offline coupled MALDI/TOF MS characterization of electrochemical reaction products and the voltammetric determination of febuxostat in human plasma,

Fawzi A. El-Yazbi, Omayma A. Amin, Rania Bakry, **Essam F. Khamis**, Eman I. El-Kimary and Sameh E. Younis

Talanta, available online 28 October 2018

41. Green HPTLC and Stability-Indicating RP-HPLC for the assay of Dextromethorphan Hydrobromide and Menthol in their Lozenges,

Poster presentation at the 5th FUE International Conference of Pharmaceutical Sciences (5th FUE-ICPS 2019)

42. A novel HPLC-DAD method for simultaneous determination of febuxostat and diclofenac in biological samples: pharmacokinetic outcomes,

Fawzy A El-Yazbi, Omayma A Amin, Eman I El-Kimary, **Essam F Khamis**, Sameh E Younis, Mohammed AW Elkhatab & Ahmed F El-Yazbi

Bioanalysis, Published online: 26 November 2018

43. Fourier convolution versus derivativespectrophotometry: Application to theanalysis of two binary mixtures containingtamsulosin hydrochloride as a minor component

E.I. El-Kimary, **E.F. Khamis**, S.F. Belal, M.M. Abdel Moneim

Annales Pharmaceutiques Françaises, 78, 129-141, 2020

44. Green HPTLC and Stability-Indicating RP-HPLC for the assay of Dextromethorphan Hydrobromide and Menthol in their Lozenges

M.A.A.Ragab, F.A.ElYazbi, E.M.Hassan, **E.F.Khamis**, M.M.A.Hamdi

Annales Pharmaceutiques Françaises, 78, 368-378, 2020