

Eman I. El-Kimary
Lecturer of Pharmaceutical Analytical Chemistry
Faculty of Pharmacy, Alexandria University

CURRICULUM VITAE

Personal information:

Name: Eman Ibrahim Saleh El-Kimary

Date of birth: July 21st, 1981

Place of birth: Alexandria, Egypt.

Social status: Married

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Address: Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, El-Azarita, El-Khartoum Square, Alexandria, EGYPT.



Scientific Degrees :

- **2003:** Bachelor degree of Pharmaceutical Sciences with general grade "Excellent with Honor" in June, 2003, Faculty of pharmacy, University of Alexandria, Egypt.
- **2007:** Master Degree in Pharmaceutical Sciences (Pharmaceutical Analytical Chemistry) in March, 2007, Faculty of Pharmacy, University

of Alexandria, Egypt. The thesis entitled "**Analysis of some drugs used in the treatment of hepatic disorders**".

- **2011**: Doctor of philosophy in Pharmaceutical Sciences (Pharmaceutical Analytical Chemistry) in May, 2011, Faculty of Pharmacy, University of Alexandria, Egypt. The thesis entitled "**Contribution to the analysis of some drugs used in the treatment of cardiovascular disorders**"

Professional Carrier :

- **2003-2007**: Demonstrator at the Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University
- **2007-2011**: Assistant Lecturer at the Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Alexandria University
- **2011 till present**: Lecturer at the Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Alexandria University

Training courses and workshops:

- MATLAB 6.5 course, Information Technology Institute (ITI), Alexandria, Egypt, July – August, 2004.
- Workshop on “Scientific uses of Informatics”, Development and Application of Advanced Instrumental Analysis and Drug Quality

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Control Curriculum Project (DAQC), Faculty of Pharmacy, Alexandria University, Alexandria, Egypt, February 21-24, 2005.

- Training course entitled “Effective teaching”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, May 21-26, 2005.
- Training course entitled “Scientific research methodology”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, June 4-7, 2005.
- Workshop “Bioanalytical Lab Workers Training”, Development and Application of Advanced Instrumental Analysis and Drug Quality Control Curriculum Project (DAQC), Faculty of Pharmacy, Alexandria University, Alexandria, Egypt, July 24-27, 2005.
- Workshop for Analytical Chemists in Pharmaceutical Industry, HPLC and CE, Seminar & Workshop Series, Aug. 13-16, 2005, offered by the (DAQC) Project, Faculty of Pharmacy, University of Alexandria
- Preparatory TOEFL course, ESP center of Alexandria University, Alexandria, Egypt, general grade in the final exam V. good (583/680), August, 2010.
- Workshop on “Proposal writing of research projects, Erasmus + Call 2016”, Faculty of medicine, Alexandria University, December 28-29, 2015.

- Training course entitled “Thinking skills”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, May 27-29, 2006.
- Training course entitled “Effective communication skills”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, June 13-15, 2006.
- Training course entitled “Code of ethics”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, March 24-26, 2007.
- Training course entitled “Teaching with technology”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, July 28-30, 2007.
- Training course entitled “Credit hours”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, September 4-6, 2007.
- Training course entitled “New trends in teaching”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, September 8-10, 2007.
- Training course entitled “Time management”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, November 13-15, 2007.

- Training course entitled “Effective presentation skills”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, December 15-17, 2007.
- Training course entitled “Competitive research projects”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, December 10-11, 2014
- Training course entitled “University legal and financial aspects”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, December 22-23, 2014
- Training course entitled “E-Learning”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, January 10-11, 2015
- Training course entitled “International publishing of research”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, January 19-20, 2015
- Training course entitled “Crisis and disaster management”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, January 21-22, 2015
- Training course entitled “Decision-making and problem-solving”, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, January 31- February 1, 2015

Academic Teaching Experience:

- Teaching theoretical and practical courses in Pharmaceutical Analytical Chemistry for first and second year Pharmacy students, Faculty of Pharmacy, Alexandria University, Egypt including:
 - Qualitative Inorganic Analysis for first year students.
 - Different aspects in Quantitative Analytical Chemistry for second year Pharmacy students.
 - Instrumental Analysis.

- Teaching theoretical and practical courses of Pharmaceutical Analysis (PHR 326) in Pharmaceutical Analytical Chemistry Department for third year Pharmacy students, Faculty of Pharmacy, Pharos University in Alexandria, (2011-2012).

- Teaching theoretical and practical courses of Quantitative Analytical Chemistry for second year Pharmacy students (Gravimetric analysis), Faculty of Pharmacy, Alexandria University, (2013-2014).

- Teaching and supervising practical courses of first year Pharmacy students, Faculty of Pharmacy, Alexandria University.

- Teaching and supervising practical courses and preparing practical and theoretical notes and oral files (course coordinator) of second year Pharmacy

students, Faculty of Pharmacy, Alexandria University (2011-2012, 2012-2013, 2013-2014, 2014-2015 and 2015-2016).

- Participating in the evaluation of first and second year Pharmacy students, Faculty of Pharmacy, Alexandria University, in practical and oral exams. In addition to participating in the evaluation of second year Pharmacy students Faculty of Pharmacy, Alexandria University written exams.
- Participating in the evaluation of second, third and fifth year Pharmacy students, Faculty of Pharmacy, Pharos University in Alexandria, in oral exams in the courses (Analytical Chemistry I PHR 223, Analytical Chemistry II PHR 224, Pharmaceutical Analysis PHR 326 and Analytical Quality Control PHR 525) since 2011-2012 till now. In addition to participating in the evaluation of third year Pharmacy students, Faculty of Pharmacy, Pharos University in Alexandria written exams (2011-2012).
- Participating in the evaluation of Clinical Pharmacy Programme students, Faculty of Pharmacy, Alexandria University, in oral exams of second, third, fourth and eighth semesters in the courses (Pharmaceutical Analytical Chemistry I PC 205, Pharmaceutical Analytical Chemistry II PC 306, Instrumental Analysis PC 407 and Quality Control PC 808) since 2012-2013 till now.
- Participating in the academic advising of Pharmacy Programme students, Faculty of Pharmacy, Alexandria University (2014-2015 and 2015-2016).

Supervising thesis

Co-supervisor for the Master Degree thesis of:

- Analysis of Some Drugs Used in The Treatment of Diabetes Mellitus and Associated Disorders (Master degree, registered **September 2013**)

Sara Samy (Faculty of Pharmacy, Alexandria University)

Co-supervisor for the Ph. D Degree theses of:

- Analytical Study of Some Selected Drugs Used for the Treatment of Gastrointestinal Tract Disorders (Ph.D. degree, registered **September 2014**)

Ahmed Adel (Pharco Pharmaceutical Company)

- Study of Direct and Indirect Analytical Methods for the Analysis of Selected Drugs of Pharmaceutical Interest Containing Basic Center(s). (Ph.D. degree, registered **September 2014**)

Mona Abdel Moneim (Faculty of Pharmacy, Pharos University).

- Development of New analytical Techniques for Estimation of Selected Heterocyclic Drugs of Pharmaceutical Interest (Ph.D. degree, registered **September 2014**)

Sameh Younis (Faculty of Pharmacy, Pharos University).

Scientific Conferences, Meetings and Exhibitions

- The 16th International Scientific Conference of the Lebanese Association for the Advancement of science, November 13-15, 2009, Beirut Arab University, Beirut, Lebanon, Through oral presentation MNP 1.3

Oral presentation: Development and Validation of HPTLC and Spectrophotometric Methods for Simultaneous Determination of Candesartan Cilixelil and hydrochlorothiazide in Pharmaceutical Preparation.

Rasha M. Youssef, Hadir M. Maher, Ekram M. Hassan, **Eman I. El-Kimary**, Magda A. Barary.

- The first international conference held in Beirut, entitled “**Recent Advances In Pharmaceutical Research and Technology**”, 6-7 May, 2010, Beirut Arab University, Beirut, Lebanon. Through oral presentation

Oral presentation: Enhanced spectrophotometric determination of two antihyperlipidemic mixtures containing ezetimibe in pharmaceutical preparations.

Hadir M. Maher, Rasha M. Youssef, Ekram M. Hassan, **Eman I. El-Kimary** and Magda A. Barary.

- 3rd ScienceOne Conference on Drug Discovery and Development, Dubai 21-23 Jan, 2014.

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Poster presentation: HPTLC assay of Metformin HCl in human urine using ion-pair solid phase extraction: Application in pharmacokinetic study

Eman I. El-Kimary, Rasha M. Youssef, Ahmed N. Allam

- Attending BioVision Alexandria 2014 Conference, Bibliotheca Alexandria, Alexandria, Egypt, **7–9 April 2014**.
- Participating in ICPPS 2015 : International Conference on Pharmacy and Pharmaceutical Sciences, Dubai-UAE, 30-31 January 2015.

e-Poster presentation : “Simultaneous Determination of Methotrexate and Aspirin Using Fourier Transform Convolution Emission Data under Non-Parametric Linear Regression Method“

Marwa A.A. Ragab, Hadir M. Maher, **Eman I. El-Kimary**

- Participating and attending First PUA International Conference on “Advances in Pharmaceutical Sciences”, **October 27-29**, 2015, Pharos University in Alexandria, Egypt.

Oral presentation: Stability-Indicating HPLC-DAD Method for the Determination of Linagliptin in Tablet Dosage Form: Application to Degradation Kinetics.

Sara S. Mourad, **Eman I. El-Kimary**, Dalia A. Hamdy, Magda A. Barary

- Participating in First PUA International Conference on “Advances in Pharmaceutical Sciences”, **October 27-29**, 2015, Pharos University in Alexandria, Egypt.

Oral presentation: Application of Derivative and Derivative-Ratio Spectrophotometry for Determination of Two Binary Mixtures Containing Tamsulosin with Solifenacin Succinate and Tolterodine Tartarate.

Mona Abdel Moneim, **Eman I. El-Kimary**, Essam F. Khamis, Saeid F. Belal

Eman I. El-Kimary
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- Participating in First PUA International Conference on “Advances in Pharmaceutical Sciences”, **October 27-29**, 2015, Pharos University in Alexandria, Egypt.

Oral presentation: Validated HPTLC and Spectrophotometric Methods for Simultaneous Estimation of Febuxostat and Diclofenac Potassium in their Combined Tablets.

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

Awards

- Alexandria University Award for excellence in scientific publication in **top 20 %** of Analytical Chemistry journal rank (ISI, 2013): **Talanta**, **2008**, 74, 773-778.
- Alexandria University Award for excellence in scientific publication in **top 50 %** of Analytical Chemistry journal rank (ISI, 2013): **Drug Testing and Analysis**, **2011**, 3, 97- 105.
- Alexandria University Award for excellence in scientific publication in **top 50 %** of Analytical Chemistry journal rank (ISI, 2013): **Journal of Pharmaceutical and Biomedical Analysis**, **2012**, 61, 78– 85.
- Alexandria University Award for excellence in scientific publication in **top 50 %** of Analytical Chemistry journal rank (ISI, 2013): **Journal of AOAC International**, **2013**, 96, 313- 323.

- Alexandria University Award for excellence in scientific publication in **top 50 %** of Analytical Chemistry journal rank (ISI, 2013): **Journal of Fluorescence, 2014, 24, 1745–1756**
- Alexandria University Award for excellence in scientific publication in **Top 50 %** of Applied Chemistry journal rank (ISI, 2013):
Combinatorial Chemistry & High Throughput Screening, 2015, 18, 723-734 723.
- Alexandria University Award for excellence in scientific publication in **lower 50 %** of Analytical Chemistry journal rank (ISI, 2013): **Journal of Liquid Chromatography and Related Technologies, 2013, 36, 2044-2058.**
- Alexandria University Award for excellence in scientific publication in **lower 50 %** of Analytical Chemistry journal rank (ISI, 2013): **Journal of Planar Chromatorgraphy : Modern TLC, 2014, 27, 377–384**
- Alexandria University Award for excellence in scientific publication in **lower 50 %** of Analytical Chemistry journal rank (ISI, 2013): **Journal of Planar Chromatorgraphy : Modern TLC, 2014, 28, 74–82**
- Alexandria University Award for excellence in scientific publication in **lower 50 %** of Biohemistry journal rank (ISI, 2013): **Luminescence, 2015, 30: 760–767**

- Alexandria University Award for excellence in scientific publication in lower 50 % of Analytical Chemistry journal rank (ISI, 2013): **J. Chromatogr. Sci.** (2015) DOI: 10.1093/chromsci/bmv106
- Alexandria University Award for excellence in scientific publication in lower 50 % of Analytical Chemistry journal rank (ISI, 2013): **Acta Chromatographica**, (2015) DOI: [10.1556/achrom.28.2016.1.7](https://doi.org/10.1556/achrom.28.2016.1.7)

LIST OF PUBLICATIONS

1. Development of a differential pulse voltammetric method for the determination of Silymarin/Vitamin E acetate mixture in pharmaceuticals, *Talanta* 74, 773-778 (2008).
Ekram M. Hassan, Essam F. Khamis, Eman I. El-Kimary, Magda A. Barary.

Rank: Top 20%
2. Analysis of three hepatoprotectant binary mixtures containing silymarin in pharmaceutical preparations. *Mansoura Journal of Pharmaceutical Sciences* (MJPS)24(I),17-33(2008) *Ekram M. Hassan, Essam F. Khamis, Eman I. El-Kimary, Magda A. Barary.*
3. Development and Validation of HPTLC and Spectrophotometric Methods for Simultaneous Determination of Candesartan

Cilexetil and hydrochlorothiazide in Pharmaceutical Preparation. *International Journal of Applied Chemistry*, 6 (2010) 233–246. Rasha M. Youssef, Hadir M. Maher, Ekram M. Hassan, **Eman I. El-Kimary**, Magda A. Barary.

4. Enhanced spectrophotometric determination of two antihyperlipidemic mixtures containing ezetimibe in pharmaceutical preparations. *Drug Testing and Analysis*, 3, 97-105(2011). Hadir M. Maher, Rasha M. Youssef, Ekram M. Hassan, **Eman I. El-Kimary** and Magda A. Barary.

Rank: Top 50%

5. Bioavailability study of triamterene and xipamide using urinary pharmacokinetic data following single oral dose of each drug or their combination. Hadir M. Maher, Rasha M. Youssef , **Eman I. El-Kimary**, Ekram M. Hassan, Magda A. Barary, **Journal of Pharmaceutical and Biomedical Analysis** 61 (2012) 78– 85

Rank: Top 50%

6. Validated Stability-Indicating Methods for the Simultaneous Determination of Amiloride Hydrochloride, Atenolol and Chlorthalidone Using HPTLC and HPLC with Photodiode Array Detector", **The Journal of AOAC International**, 96 (2), 2013 313- 323 Rasha M. Youssef, Hadir M. Maher, **Eman I. El-Kimary**, Ekram M. Hassan, Magda A. Barary.

Rank: Top 50%

7. HPLC determination of dimethyl-4,4'-dimethoxy-5,6,5',6'
dimethylene dioxybiphenyl-2,2'-dicarboxylate (DDB) and co-
administered diuretics as an extemporaneous mixture in human
plasma, Ekram M. Hassan, Essam F. Khamis, **Eman I. El-
Kimary**, Magda A. Barary, *Assian Journal of Pharmaceutical
Research and Health Care (AJPRHC)*, 4(1), 2012, 33-41

8. Monitoring of metronidazole and its metabolite residues in eggs
of two strains of hens using HPLC-DAD, **J. Liq. Chromatogr.
Relat. Technol.**, 36(14), 2013, 2044-2058
Rasha M. Youssef, Amira, E. El-Dlebshany, Marwa A.A.
Ragab, **Eman I. El-Kimary**
Rank: Lower 50%

9. HPTLC Assay of metformin in urine using ion pair- soild phase
extraction: Application for bioavailability and bioequivalence
study of new microbeads controlled release formulation, **J.
Planar Chromatogr. Modern TLC**, 27 (2014) 5, 377–384,
Eman I. El-Kimary, Rasha M. Youssef, Ahmed N. Allam
Rank: Lower 50%

10. Convolution of emission derivative ratio curves of closely
related fluorescent reaction products using discrete Fourier
functions and non-parametric linear regression method,
Marwa A.A. Ragab, **Eman I. EL-Kimary**, **J Fluoresc** (2014)
24:1745–1756
Rank: Top 50%

11. Validated HPTLC method for the assay of two binary mixtures containing omeprazole or its isomer esomeprazole in pharmaceutical dosage forms, Eman I. EL-Kimary, Marwa A.A. Ragab, **J. Planar Chromatogr. Modern TLC**, 28 (2015) 1, 74–82

Rank: Lower 50%

12. Derivative emission spectrofluorimetry: Application to the analysis of newly approved FDA combination of ibuprofen and famotidine in tablets, Marwa A.A. Ragab, **Eman I. EL-Kimary**, **Luminescence**, 2015, 30: 760–767.

DOI: [10.1002/bio.2817](https://doi.org/10.1002/bio.2817)

Rank: Lower 50%

13. Stability-indicating HPLC-DAD method development, validation, and stress degradation studies for triamterene and xipamide in their combined tablet dosage form, **Eman I. EL-Kimary**, **Acta Chromatographica**, 2015,

DOI: [10.1556/achrom.28.2016.1.7](https://doi.org/10.1556/achrom.28.2016.1.7)

Rank: Lower 50%

14. HPTLC determination of three gliptins in binary mixtures with metformin, **Eman I. EL-Kimary**, Dalia A. Hamdy, Sara S. Mourad, Magda A. Barary, **J. Chromatogr. Sci.** 2015.

DOI: 10.1093/chromsci/bmv106

Rank: Lower 50%

15. Chemometrics-Assisted Spectrofluorimetric Determination of Two Co-Administered Drugs of Major Interaction, Methotrexate and Aspirin, in Human Urine Following Acid-Induced Hydrolysis, Hadir M. Maher, Marwa A.A. Ragab, **Eman I. El-Kimary**, **Combinatorial Chemistry & High Throughput Screening**, 2015, *18*, 723-734.

Rank: Top 50%

Papers Reviewed

- “Simultaneous Estimation of Amiloride Hydrochloride and Torsemide in their Combined Dosage Form by Stability Indicating LC Method” Journal of Taibah University for Science, JTUSCI-D-14-00111, El-Sevier.
- “A Novel Stability Indicating Reverse Phase Ultra Performance Liquid Chromatography method for the simultaneous determination of impurities present in Atazanavir and Ritonavir tablets using Bridged Ethyl Siloxane Hybrid particle column "for the Journal of Chromatographic Science (JCS-15-428).
- "Stability-Indicating Method and LC-MS/MS characterization of Forced degradation products of Sofosbuvir" for the Journal of Chromatographic Science (JCS-15-498)
- “Chromatographic Separation of Calcium Isotopes Using Benzo-18 Crown-6-Ether Resin and Acetic Acid Solution” Austin Chromatography Journal.

Program Technical Committee Membership in

International Conferences

- A Program Technical Committee member in the ScienceOne Conference on Drug Discovery and Development (SCDDD).

Editorial Board Membership

- An Editorial Board Member of the APG- *Austin Journal of Analytical & Pharmaceutical Chemistry* (Austin Publishing Group).

www.austinpublishinggroup.com

- An Editorial Board Member of Journal of Pharma and Pharmaceutical Sciences (Verizona Publishing group).

University and Community Services

- Member of the Council of Pharmaceutical Analytical Chemistry Department since June 2011 till now.
- Secretary of the Council of Pharmaceutical Analytical Chemistry Department in the academic year 2013-2014.
- Member of the Faculty Staff Members Committee - Quality Assurance Unit, Faculty of Pharmacy, Alexandria University, since 2013-2014 till now.

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- Member of Chemicals Procurement Technical Committee, Faculty of Pharmacy, Alexandria University, in the academic year 2013-2014.
- Member of the Scientific and Cultural Foreign Relations and Public Information Committee, Faculty of Pharmacy, Alexandria University, in the academic year 2012-2013.
- Member of Results Preparing Committee of third year students in the academic years 2011-2012, 2012-2013 and 2015-2016 and a member of Results Preparing Committee of second year students in the academic years 2013-2014 and 2014-2015.
- Member of the organization committee of the Annual Faculty of Pharmacy Conference in the academic year 2014-2015.
- Member of the Scrapped Instruments Committee, Faculty of Pharmacy, Alexandria University in the academic year 2014-2015.
- Organizing the Annual Meeting of Pharmaceutical Analytical Chemistry Department and participating in the preparation of the conference booklet since 2013-2014 till now.
- Participation in preparing Pharmaceutical Analytical Chemistry Department Guide.

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- Participation in preparing the course specification, course reports and course matrix of the high education courses in Pharmaceutical Analytical Chemistry Department.
- Academic supervisor for the students in the clinical pharmacy program, Faculty of Pharmacy, Alexandria University.
- Supervision for the summer training of third year Faculty of Pharmacy students in the ordinary course since 2010-2011 till now.