

CURRICULUM VITAE

Prof. Dr. Ekram M. Hassan



Name : Ekram Mahmoud Hassan Abdallah.
Current Position : Professor of pharmaceutical Analytical Chemistry
Date of Birth : July 29, 1960
Birth Place : Alexandria
Marital Status : Married and have two daughters
Address : Prof. Dr. Ekram M. Hassan
Department of pharmaceutical Analytical Chemistry
Faculty of Pharmacy
University of Alexandria
Alexandria 21521,Elmesallah, Egypt
Telephone : (203) 5844467 (Home)
0103498408 (mobile)
Fax : (203) 4833273 (Faculty of Pharmacy)
e-mail : ekram_mahm @ yahoo.com

Scientific Degrees:

- 1- B.Pharm.Sci. (Bachelor in Pharmaceutical Sciences), Very Good Honours (Jun.1982)
- 2- M.Pharm.Sci.(Master in Pharmaceutical Sciences), March10,1986
Faculty of Pharmacy, University of Alexandria, Egypt.
Title of Thesis: " Spectrophotofluorometric Methods for Analysis of Certain Vitamins in Their Pharmaceutical Preparations"
- 3- Ph.D. of Pharmaceutical Sciences, January 08,1990
Faculty of Pharmacy, University of Alexandria, Egypt.
Title of Thesis: "Analysis of Certain Polycyclic Compounds of Pharmaceutical Interest"

Professional Carrier:

- Professor in the Department of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria , Egypt (June 2013 – now)

- Head of the Department of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria 2016-2017 .

- Head of the Department of pharmaceutical Analytical Chemistry and Quality control in Beirut Arab University. Beirut ,Lebanon.(September 2009 – June2013).

- Professor in the Department of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria , Egypt (February 2002 – September 2009).

- Visitor professor in Beirut Arab University (2 / 3 -25 / 4 and 5 / 5 – 7 / 6 / 2008).

- Visitor professor in Beirut Arab University (12 / 3 -10 / 4 / 2007).

- Assistant Prof. in the Department of Pharm. Anal. Chem ., Faculty of Pharmacy, University of Alexandria , Egypt(June2000-February 2002).

- Associate Prof. in the Department of Pharmaceutical Chemistry, College of Pharmacy, Women Students – Medical Studies & Sciences Sections, King Saud University , Riyadh, Kingdom of Saudi Arabia (October1995-June2000).

- Assistant Prof. in the Department of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria , Egypt (February 1995 - October 1995).

- Lecturer in the Department of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria , Egypt (February 1990 - February 1995).

- Assistant Lecturer in the Department of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria , Egypt (May 1986 - February 1990).

-Demonstrator in the Department of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria , Egypt (October 1982-May 1986).

Professional and Scientific Activities

Professional Activity

- Member of The Egyptian Pharmaceutical Association.
- Member of The General Candidate Pharmacist (Egypt)

- Member of The “Quality Assurance & Accreditation Center” Faculty of Pharmacy, Alexandria University.

- Regular reviewer in the following international highly cited journals in the field of Analytical Chemistry:
 - *Journal of liquid chromatography & related technologies*
 - *Scientia Pharmaceutica*
 - *Journal of Chromatographic Science*
 - *Drug testing and Analysis*
 - *Journal of Saudi Chemical Society*
 - *Journal of Pharmaceutical and Biomedical Sciences*
 - *Portugaliae Chemica Acta*
 - *Arabian Journal of Chemistry*

- Director of the drug quality control unit of the consultation center in Beirut Arab University 2012-2013.

Academic Teaching Experience

- Teaching and preparation of undergraduate and graduate courses of Analytical Chemistry in Alexandria University & King Saud University.

- Different analytical techniques including UV, Fluorimetry ,HPLC and Various Chromatographic methods, Kinetic methods ,chemometric and Polarographic methods.

- Conducting research and supervising graduate students in Alexandria University & King Saud University.

- Design of analytical methods for various pharmaceutical compounds in different matrices and analytical problem solving.

-Teaching of undergraduate and graduate courses of Analytical Chemistry and Quality Control in Beirut Arab University .Lebanon.

Attendance of Conferences and Symposiums:

- Recent Advances and Future Trends in Pharmacy Practice.
King Faisal Specialized Hospital , Riyadh ,KSA.11/ 19-20/ 1996.
- The 2nd Symposium on Computer and Information Technology in The Health Field.
King Faisal Specialized Hospital ,Riyadh, KSA. 02/ 23- 25 /1998.
- The 5th International Saudi Pharmacy Conference.
Cultural palace, Diplomatic Quarter.Riyadh,KSA. 10/25-28/1999.
- Towards Better Childhood, Women Students Medical Studies& Sciences Sections , Riyadh.11/4-7/1416H.
- Food in health and illness. Women Students Medical Studies& Sciences Sections , Riyadh.10/30 -11/ 03 /1417H.
- Youth Today and in the Future. Women Students Medical Studies& Sciences Sections , Riyadh.12/23-25/1418H.
- Saudi Symposium for food and Nourishment, Women Students Medical Studies& Sciences Sections , Riyadh.07/6-9/1419H.
- 65th International Congress of FIP. Cairo, 09/3-8/ 2005.
- The 16th International Scientific Conference. Beirut Arab University. Beirut – Lebanon . November 13-15 (2009).
- Recent Advances in Dentistry. New Horizons and Beyond Beirut Arab University First International Dental Congress, 1/5/2009
- 16th International Scientific Conference, Beirut –Lebanon ,November 13-15 (2009).
- Faculty of pharmacy International Conference, May 6-7, Beirut Arab university ,2010
- Attendance of a work shop in the ministry of environment –Lebanon about “Complete production cycle for food production sector with case study for olive oil production”.
- Attendance of the 1st PUA International Conference on Advances in Pharmaceutical Sciences , October 27-29, October ,2015.

Training Courses:

- Workshop for Strategy for Good Learning and self Evaluation for Learning Institutions.
Quality Assurance & Accreditation Center , Faculty of Medicine.12/15/2004.
- Universities' Legal Aspects .Faculty and leadership development center (FLDC). 03/26-28/2005.

- Decision Making and Problem solving (L3). Faculty and leadership development center (FLDC). 04/09-12/2005.
- Teaching Evaluation (T5) . Faculty and leadership development center (FLDC). 05/20-22/2006.
- Seminar and Workshop series on The Scientific Uses of Informatics. Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, 02/21-24/2005.
- Seminar and Workshop Series for Bioanalytical Lab. Workers Training, Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, 07/24-27/2005.
- Workshop for Analytical Chemists in Pharmaceutical Industry. Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, 08/13-16/2005.
- Forensics Lab. Workers Training. Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, 08/06-09/2006.
- Contribution as a trainer in : Instrumental Analytical Chemistry Recent Graduate training, Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, 09/14-17, 21-24,27-30/2005.

- General lecture " Guidelines for Working in Chemistry Labs" presented for staff members, technicians and undergraduate students on 22/10/2009.

Theses Supervision:

- Master thesis of the pharmacist, Essam Fathy Khamis , accepted in February 07,1994.
Title: "Analysis of Certain Esters and Amides of Pharmaceutical Interest."
- Master thesis of the pharmacist , Yosria Hassan Hassan , accepted in October 10, 1994.
Title:" Use of Derivative of Absorption Spectra for the Determination of Certain Pharmaceutical Compounds in Their Preparations."

- Master thesis of the pharmacist , Haya Al Joher, accepted in 03,2000.
Title: A Kinetic Method for the Determination of Cisapride.

- Master thesis of the pharmacist , Dalia Hamdy, accepted in May,05,2004.
Title: Application of Orthogonal Functions to certain Instrumental methods of Pharmaceutical Analysis.

- Ph.D. thesis of the assistant professor , Tarek Saied Belal , accepted in September,12,2005.
Title: Analysis of Some Heterocyclic Nitrogenous Compounds of Pharmaceutical Interest.

- Master thesis of the pharmacist ,Iman Ibrahim Alkimary, accepted in March ,12,2007 .

Title: Analysis of some drugs used in the treatment of hepatic disorders.

- Ph.D. thesis of the assistant professor , Iman Ibrahim Alkimary. Accepted April 2011

Title: Contribution to the analysis of some drugs used in the treatment of cardiovascular disorders.

- Master thesis of the pharmacist Ruba Nabil Shdeed . Accepted May 2011
Title: Analysis of some selected drugs containing nitrogen and oxygen atoms.

- Master thesis of the pharmacist Rana Haider Ballout, Accepted December 2011

Title: determination of selected drugs containing heterocyclic rings.

- Pharm. D thesis of the pharmacist Rawane Mohamed Mehio , accepted December 2010

Title: Comparative Study of Clopidogrel Brand Versus Generics: An analytical Approach.

- Pharm. D thesis of the pharmacist Ali Zouhair Kanj , accepted December 2010

Title: Comparative Study of Amlodipine Besylate (Amlor) with Other Generics in the Lebanese Market: An analytical Approach.

- Pharm. D thesis of the pharmacist Layal Saadeddine Al Ghali , accepted December 2010.

Title: Detection of the Chemical Addition (If Any) in Some of the Food Supplements Indicated as Sexual Enhancers Available in the Lebanese Market.

-Pharm D. thesis of the Pharmacist Amani Nassar. Accepted December 2011

Title: A Comparative Assessment of The Quality Control Measurements of Ofloxacin Innovator and Generic Found in The Lebanese Market

-Pharm D. thesis of the Pharmacist Deema Rahme. Accepted December 2011

Title: Comparative Study of Diltiazem Innovator (Tildiem)^R with Other Generics of Diltiazem in The Lebanese Market: An Analytical Approach

-Supervision of master thesis Marwa Al Jamal

Title: Analytical Study on some selected drugs acting on the cardiovascular system Accepted May 2014.

- Ph.D. thesis of the assistant professor (Pharos University) , Mohamed Mahmoud Hamdy , accepted in March, 2017.

Title: Contribution to the analysis of some selected drugs containing nitrogen in heterocyclic rings

List of Publications

1- Spectrophotometric Determination of Ascorbic acid and Thiamine Hydrochloride in Pharmaceutical Products Using Derivative Spectrophotometry , M.E.Abdel-Hamid, M.H.Barary, **E.M.Hassan** and M.A.Elsayed, **Analyst** 110,831-835(1985).

2- Spectrophotometric Determination of α -Tocopherol Acetate in Soft Capsules, M.H.Barary, M.E.Abdel-Hamid, **E.M.Hassan** and M.A.Elsayed , **Anal.Lett.** 18(B15),1835-1846 (1985).

3- First Derivative Spectrophotometric Determination of Pyridoxine and Meclozine in Two- component Mixture, M.E.Abdel-Hamid, M.H.Barary,M.A. Korany and **E.M.Hassan**, **Sci. Pharm.** 53, 105-110 (1985) .

4- Simultaneous Spectrofluorimetric Determination of Thiamin, Pyridoxine and Riboflavin in Pharmaceutical Multivitamin preparations , M.H.Barary, M.E.Abdel-Hamid, **E.M.Hassan** and M.A.Elsayed , **Pharmazie** 41,483-485 (1986).

5- Determination of Vitamin A in Presence of its Degradation Product by First-Derivative U.V.- Spectrophotometry, M.E.Abdel-Hamid, M.H.Barary, **E.M.Hassan** and M.A.Elsayed, **Anal.Lett.** 19 (9&10), 1053-1063 (1986).

6- Use of Differential Derivative Spectrophotometry and Complexation with Palladium for the Assay of Three Phenothiazine Drugs in Tablets, M.H.Abdel-Hay, M.H.Barary, **E.M.Hassan** and M.A.Elsayed, **Spectrosc.Lett.**22(8),1025-1044 (1989).

7- Determination of isothipendyl or dimethothiazine with their sulphoxides using third – and fourth -derivatives spectroscopy on a diode – array spectrophotometer, M.H.Abdel-Hay, M.A.Elsayed, M.H.Barary and **E.M.Hassan** , J.Pharm.Belg.45,(4) 259-267(1990).

8- Application of Derivative Spectrophotometry to the Determination of the Acid Metabolite of Glafenine and Floctafenine in Urine, A.M.El-Walily, M.H.Abdel-Hay, M.H.Barary, M.A.Elsayed and **E.M.Hassan**, Alex J. Pharm. Sci.6(1),86-88(1992).

9- Use of Derivative Spectrophotometry for the In Vitro Determination of Allopurinol and Uric acid Mixtures, M.H.Abdel-Hay, M.H.Barary, M.A.Elsayed and **E.M.Hassan**, Anal.Lett.,24(9) 1517-1530(1991).

10- Assay of Glafenine and Floctafenine and Their Degradation Products in Combination , M.H.Abdel-Hay, M.H.Barary, **E.M.Hassan** and M.A.Elsayed, Anal.lett. 23(2) 295-310 (1990).

11- Ratios of Derivative Optima As Criteria for the Application of Derivative Spectrophotometry in Pharmaceutical Analysis , **E.M.Hassan**, I.I.Hewala, A.M.Wahbi and Y.H.H. , Il Farmaco, 48,1137-1151(1993).

12- A Stability-indicating First-Derivative Spectrophotometric Assay of Acetazolamide and its Use in Dissolution and Kinetic Studies ,

E.F.Khamis,M.A. Abel-Hamid , **E.M.Hassan**, A.Eshra and
M.A.Elsayed , J.Clin.Pharm.Ther.18,97-101(1993).

13- Sensitive Colorimetric Method for the Determination of Thymol and Eugenol in Volatile Oils, F.A.El-Yazbi, **E.M.Hassan** and Maha A. Aboul-Ela, Alex J.Pharm.Sci.6,263-265(1992).

14- In Vivo Assay of Cefadroxil in Human Urine Using Derivative Spectrophotometry, **E.M.Hassan** , Alex J.Pharm.Sci.8,37-40 (1994).

15- Computer-Assisted Spectrophotometric Determination of Some Phenothiazines in presence of Their Sulphoxides Using Orthogonal Polynomials and Fourier Functions .H.Mahgoub and **E.M.Hassan**, Bull.Fac.Pharm.Cairo University 30, 1-5 (1992).

16- In –vitro determination of aztreonam in urine and in its dosage Form, **E.M.Hassan**, S.M.Blaih and H.Mahgoub, Alex J. Pharm. Sci. 7, 160-163 (1993).

17- HPLC method of analysis of cephadroxil and its application in bioavailability studies, A.G.Eshra, **E.M.Hassan** and A.M.Elwalily, J.Clin.Pharm.Therp 18,331-335(1993)

18- Determination of mixture of chlorzoxaxone and acetaminophen in pharmaceutical capsules by zero-crossing derivative spectroscopy. **E.M.Hassan**, A.M.El-Walily and S.F.Belal, Bull.Fac.Pharm.Cairo Univ.32,1-4 (1994)

19- Spectrofluorimetric determination of guanethidine sulphate , guanfacine hydrochloride and guanoxan sulphate in tablets using ninhydrin, A.A.Gazy and **E.M.Hassan** ,Bull.Fac.Pharm.Cairo Univ.32, 5-8 (1994).

20- Use of isosbestic points of derivative absorption curves . The dissolution rate determination of aspirin, A.M.Wahbi, **E.M.Hassan**, and A.A.Gazy , J.Pharm.Biomed.Anal. 12(7) , 951-954 (1994).

21- Second – derivative spectrophotometric determination of cyclofenil in presence of its acid – induced degradation product, **E.M.Hassan** ,

M.A.Elsayed and E.F.Khamis , S.T.P. Pharma Sciences 4 (4), 305-308 (1994).

22- Colorimetric determination of mebeverine hydrochloride in tablets by charge transfer complexation, **E.M.Hassan** , A.A.Gazy and M.M.Bedair, Drug Dev. Ind.Pharm.,21(5), 633-638 (1995).

23- Spectrophotometric and titrimetric methods for the determination of famotidine in dosage form, S.M.Belaih, F.A.El-Yazbi and **E.M.Hassan**, S.T.P. Pharma Sciences 4 (6), 492-494 (1994).

24- Liquid chromatographic determination of flunarizine dihydrochloride in presence of its degradation product, A.M.Wahbi, A.M. El-Walily **E.M.Hassan** , F.G.Soliman and A.El-Gendi, J.Pharm.Biomed.Anal. 13 , 777-784 (1995).

25- Identification and differentiation between benzenoid UV- absorbing drugs using derivative ratios spectrophotometry , I.I.Hewala , A.M. Wahbi, **E.M.Hassan** and Y.H. Hassan , Alex .J.Pharm.Sci. 10 (1), 59-64 (1996).

26- Spectrofluorimetric determination of vigabatrin and gabapentin in dosage forms and spiked plasma samples through derivatization with 4-chloro-7- nitrobenzo-2-oxa-1,3-diazole , **E.M.Hassan** , F.Belal ,O.M. Al-Deeb and N.Y. Khalil, J.AOAC International, 84(4), 1017-1024 (2001).

27- Kinetic spectrophotometric determination of nizatidine and ranitidine in pharmaceutical preparations , **E.M.Hassan** and F.Belal , J.Pharm. Biomed.Anal. 27,31-38 (2002).

28- Determination of cisapride in pharmaceutical preparations using derivative spectrophotometry , **E.M.Hassan**, M.E.M. Hagga and H.I. Al Johar J.Pharm.Biomed.Anal. 24, 659-665 (2001).

29- Kinetic method for the determination of cisapride in pharmaceutical preparations, **E.M.Hassan**, M.E.M. Hagga and H.I. Al Johar, Sci.Pharm. 68, 281-296 (2000).

- 30-** Spectrophotometric determination of ipratropium bromide in liquid for nebulization, **E.M.Hassan**, Anal.Lett. 33(8) , 1531-1543(2000).
- 31-** Spectrophotometric and fluorimetric methods for the determination of meloxicam in dosage forms , **E.M.Hassan** , J.Pharm.Biomed.Anal. 27, 771-777 (2002).
- 32-** Spectrophotometric analysis of setraline by derivative spectrophotometry and charge transfer complexation , **E.M.Hassan** , Bull.Fac.Pharm.Cairo Univ.39(1), 347-352 (2001).
- 33-** Spectrophotometric and fluorimetric methods for the determination of methoxamine HCl in bulk drugs and in ampoules, **E.M.Hassan**, H.H.Abdine and Abdul-Rahman M.A. Al-Obaid , Spectrosc. Lett. 33(1) 9-21 (2000).
- 34-** Determination of ipratropium bromide in vials using kinetic and first-derivative spectrophotometric methods, **E.M.Hassan** , J.Pharm. Biomed. Anal. 21, 1183-1189 (2000).
- 35-** Application of orthogonal functions to pharmaceutical analysis, generation of derivative curves, A.M.Wahbi, **E.M.Hassan**. D. Hamdy ,E.F.Khamis and M.H.Barary, Saudi Pharm.J.13(1) , 14-33 (2005).
- 36-** Spectrophotometric methods for the determination of ibuprofen in tablets, A.M.Wahbi, **E.M.Hassan** , D. Hamdy , E.F.Khamis and M.H.Barary, Pakistan J. Pharm.Sc.18(4),1-6(2005).
- 37-** Application of chemometrics, PLS, to second – order derivative spectrophotometric determination of benzene in ethanol and isopropyl alcohol .A.Wahbi, **E.M.Hassan**, O.Fahmy , D.Hamdy Presented as a poster in The 65th Congress of FIP 2-8 September 2005,Cairo,Egypt.
- 38-** Kinetic Spectrophotometric Determination of Atenolol, Metoprolol Tartarate & Timolol Maleate in Pharmaceutical Preparations. S.F.Belal, R.S. Haggag, **E.M.Hassan** and R.A.Shaalan. Bull.Fac.Pharm.Cairo Univ.42 (2) 359-369 (2004).

39- Generation of derivative curves of absorption spectra using Glenn's method of orthogonal function, Abdel Aziz M. Wahbi, **E.M. Hassan**, E.F. Khamis, D. Hamdy and M. Barary presented as a poster in the B.P. conference,U.K., London(2003)

40- Simultaneous Determination of Cinnarizine and Domperidone Maleate Using H-Point Standard Additions Method, Derivative and Derivative-Ratio Spectrophotometry. Azza A. Gazy, Ekram M. Hassan, Mohamed H. Abdel-Hay and Tarek S. Belal ,Bull.Fac.Pharm.Cairo Univ 44(2),175-184 (2006) .

41--Simultaneous Determination of Hydrochlorothiazide and Timolol Maleate in Binary Mixture Using Zero-Crossing Derivative and Derivative–Ratio Spectrophotometry.
Ekram M. Hassan, Azza A. Gazy, Mohamed H. Abdel-Hay and Tarek S. Belal ,Bull.Fac.Pharm.Cairo Univ 44(2),185-193(2006).

42--High Performance Liquid Chromatographic Determination of Proquazone and its m-Hydroxy Metabolite in Spiked Human Plasma and Urine. **Ekram M. Hassan**, Azza A. Gazy, Mohamed H. Abdel-Hay and Tarek S. Belal , J.AOAC International 90(4), (2007).

43--Differential Pulse Cathodic Voltammetric Determination of Floctafenine and Metopimazine.
Azza A. Gazy, **Ekram M. Hassan**, Mohamed H. Abdel-Hay and Tarek S. Belal J.Pharm.Biomed.Anal.43,1535-1539(2007).

44--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, Magda A. Barary, talanta 74 , 773-778 (2008).

45- Kinetic spectrophotometric analysis and spectrofluorimetric analysis of ciprofloxacin hydrochloride and norfloxacin in pharmaceutical preparations using 4- chloro-7-nitrobenzo-2-oxa-1,3-diazole (NBD-Cl) Mohamed H. Abdel-Hay, **Ekram M. Hassan**, Azza A. Gazy, Tarek S. Belal , Journal of the Chinese Chemical Society 55, 818 - 827 (2008)

46-Analysis of three hepatoprotectant binary mixtures containing silymarin in pharmaceutical preparations

Ekram M. Hassan*, Essam F. Khamis, Eman I. El-Kimary, Magda A. Barary, Mansoura J.P.S. ,24 (1) , 9-31 (2008).

47- Derivative and derivative ratio spectrophotometric analysis of antihypertensive ternary mixture of amiloride hydrochloride, hydrochlorothiazide and timolol maleate.

Mohamed H. Abdel-Hay, Azza A. Gazy, **Ekram M. Hassan** and Tarek S. Belal; J. Chin. Chem. Soc., 55 (5), 971 – 978, (2008).

48- Development and validation of HPTLC and spectrophotometric methods for Simultaneous determination of candesartan cilexetil and hydrochlorothiazide in pharmaceutical preparation

Rasha M. Youssef*, Hadir M. Maher, **Ekram M. Hassan**, Eman I. El-Kimary and Magda A. Barary . Presented as oral presentation in 16th International Scientific Conference. Beirut –Lebanon . November 13-15 (2009).

49- Enhanced spectrophotometric determination of two antihypertensive mixtures containing ezetimibe in pharmaceutical preparation

Hadir M. Maher^a, Rasha M. Youssef^a, **Ekram M. Hassan^{a, b}**, Eman I. El-Kimary^a, Magda A. Barary^a Presented in the Faculty of pharmacy International Conference ,May 6-7, Beirut Arab university ,2010

50-Stability-Indicating Spectrophotometric Methods For The Determination Of Ofloxacin And Ceftriaxone In Presence Of Their Degradation Products. *M.S. Mahrous¹, Ekram M. Hassan², Ruba N. Shdeed¹*

¹Department of Pharmaceutical Chemistry, and ²Department of Pharmaceutical Analytical Chemistry and Quality Control, Faculty of Pharmacy, Beirut Arab University, Beirut, Lebanon

Presented in the Faculty of pharmacy International Conference , May 6-7, Beirut Arab university ,2010

51-Comparative Study Of Amlodipine Besylate (Amlor®) With Other Generics Of Amlodipine In The Lebanese Market: An Analytical Approach

E. M. Hassan¹, *A. I. El mallah², F. Hdeab³, and A. Kanj⁴* .¹ Department of Analytical Chemistry , Department of Pharmacology, Faculty of Pharmacy, Beirut Arab University, Beirut, Lebanon .Presented in the Faculty of pharmacy International Conference , May 6-7, Beirut Arab university ,2010

52-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 *Drug Test. Analysis* **2011**, 3, 97–105

53-Development and Validation of HPTLC and Spectrophotometric Methods for Simultaneous Determination of Candesartan Cilexetil and Hydrochlorothiazide in Pharmaceutical Preparation
Rasha M. Youssef*, Hadir M. Maher, **Ekram M. Hassan**, Eman I. El-Kimary and Magd A. Barary. *International Journal of Applied Chemistry* Volume 6 (2) (2010) pp. 233–246

54-Spectrophotometric determination of the active components of a ternary mixture containing chlorpheniramine maleate, diclofenac sodium and paracetamol. **Ekram M. Hassan^a**, Mohamed S. Mahrous^b and Ruba N. Shdeed^b. *JPBMS* 2011,57(6),1-9.

55-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

56-Validated Stability-Indicating Methods for the Simultaneous Determination of Amiloride Hydrochloride, Atenolol and Chlorthalidone Using HPTLC and HPLC with Photodiode Array Detector . Rasha M. Youssef, Hadir M. Maher ,Eman I. El-Kimary , **Ekram M. Hassan** and Magda A. Barary. *The Journal of AOAC INTERNATIONAL* In press.

57-Stability-Indicating spectrophotometric methods for the determination of Ofloxacin and Ceftriaxone in presence of degradation products
M.S. Mahrous*, **Ekram M. Hassan****, Ruba N. Shdeed* *JPBMS* 2012,18 (03) 1-13

58- Comparative Study of Diltiazem Innovator (Tildiem)^R with Other Generics of Diltiazem in The Lebanese Market: An Analytical Approach.

Presented as a poster in the research day BAU 24/04/ 2012

59-Validated Stability-Indicating Methods for the Simultaneous Determination of Amiloride Hydrochloride, Atenolol, and Chlorthalidone Using HPTLC and HPLC with Photodiode Array Detector Rasha M. Youssef, Hadir M. Maher, Eman I. El-Kimary, **Ekram M. Hassan**, Magda H. Barary , Journal of AOA C International Vol. 96, No. 2, 1-11 , 2013,

60-Stability indicating spectrophotometric assay of candesartan cilexetil and olmesartan medoxomil using discrete Fourier transform convoluted curves. **Ekram M. Hassan*** , Marwa K. El Jamal* And M. Abdelhady El Sayed Der Pharma Chemical, 2014, 6(1):343-353

61-Validated kinetic spectrophotometric determination of candesartan cilexetil and olmesartan medoxomil using alkaline permanganate oxidation.Ekram **Mahmoud Hassan**, Marwa Khaled El Jamal, and Mahmoud Abdelhady El Sayed. Der Pharma Chemica, 2014, 6(2):122-133.

62-Simple spectrophotometric methods for the simultaneous determination of ketorolac tromethamine and phenylephrine hydrochloride in pharmaceutical preparations .Fawzy A. El Yazbi, **Ekram M. Hassan**, Essam F. Khamis, Marwa A. A. Ragab and Mohamed M. A. Hamdy. Presented as a poster in the 1st PUA International Conference on Advances in Pharmaceutical Sciences , October 27-29, October ,2015.

63- Validated High Performance Thin Layer Chromatographic Method for the simultaneous determination of Ketorolac Tromethamine & Phenylephrine Hydrochloride in Pharmaceutical Formulations. Fawzy A. El Yazbi, **Ekram M. Hassan**, Essam F. Khamis, Marwa A. A. Ragab and Mohamed M. A. Hamdy. Presented as a poster in the 1st PUA International Conference on Advances in Pharmaceutical Sciences , October 27-29, October ,2015.

64-Spectrophotometric analysis of two eye preparations, vial and drops, containing ketorolac tromethamine and phenylephrine hydrochloride binary mixture and their ternary mixture with chlorpheniramine maleate" Bulletin of Faculty of Pharmacy, Cairo University, <https://doi.org/10.1016/j.bfopcu.2018.03.004>, 2018 Fawzy A. El Yazbi;

Ekram M. Hassan; Essam F. Khamis; Marwa A.A. Ragab; Mohamed M.A. Hamdy

65- Stability studies of over the counter quaternary mixture containing Phenylephrine Hydrochloride, Chlorpheniramine Maleate, Paracetamol and Caffeine using different chromatographic methods, Journal of Analytical Chemistry Letters – available online – article in press, 2018 Fawzy A. El Yazbi; Ekram M. Hassan; Essam F. Khamis; Marwa A.A. Ragab; Mohamed M.A. Hamdy

66- Stability indicating HPLC-DAD method for analysis of Ketorolac binary and ternary mixtures in eye drops: Quantitative analysis in rabbit aqueous humor. Journal of Chromatography B, Volume 1068 - 1069, Pages 218 - 225, 2017 Fawzy A. El Yazbi; Ekram M. Hassan; Essam F. Khamis; Marwa A.A. Ragab; Mohamed M.A. Hamdy

67- HPTLC analysis of ternary mixture containing ketorolac tromethamine, phenylephrine hydrochloride, and chlorpheniramine maleate. Journal of Liquid Chromatography and Related Technologies, Volume 39, Issues 19-20, Pages 869-876, 2017 Fawzy A. El Yazbi; Ekram M. Hassan; Essam F. Khamis; Marwa A.A. Ragab; Mohamed M.A. Hamdy

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69- Participating in the fourth FUE International Conference in Pharmaceutical Sciences in Cairo, Egypt, January 31- February 2, 2017, through 1 poster presentation: In-vivo analysis using HPLC-DAD for the determination of ketorolac tromethamine and phenylephrine

hydrochloride binary mixture and their ternary mixture with chlorpheniramine maleate.

70- Participating in the first PUA International Conference on Advances in Pharmaceutical Sciences (1st ICAPS) in Alexandria, Egypt, October 27-29, 2015, through 2 poster presentations: 1- Simple Spectrophotometric Methods for the Simultaneous Determination of Ketorolac Tromethamine and Phenylephrine Hydrochloride in Pharmaceutical Preparations. 2- Validated High Performance Thin Layer Chromatographic Method for the Simultaneous Determination of Ketorolac Tromethamine and Phenylephrine Hydrochloride in Pharmaceutical Formulations.

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