

**CURRICULUM VITÆ**

*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) 5450070 (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:**

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

### **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 5<sup>th</sup> 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.
- 65<sup>th</sup> International Congress of FIP. Cairo, 09/3-8/ 2005.
- The 16<sup>th</sup> 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 1<sup>st</sup> 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)<sup>R</sup> 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.

### **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  $\alpha$ -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-** Determiation 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 determiation 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 determiation 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 Determiation 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 Determiation 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 Determiation 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**<sup>\*</sup>, 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**<sup>\*</sup>, 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 16<sup>th</sup> 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<sup>a</sup>, Rasha M. Youssef<sup>a</sup>, **Ekram M. Hassan<sup>a, b</sup>**, Eman I. El-Kimary<sup>a</sup>, Magda A. Barary<sup>a</sup> 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. Mahrous<sup>1</sup>, Ekram M. Hassan<sup>2</sup>, Ruba N. Shdeed<sup>1</sup>*

<sup>1</sup>Department of Pharmaceutical Chemistry, and <sup>2</sup>Department 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. Hassan<sup>1</sup>, A. I. El mallah<sup>2</sup>, F. Hdeab<sup>3</sup>, and A. Kanj<sup>4</sup>*.<sup>1</sup> 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**

HadirM.Maher\* ,RashaM. 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<sup>a</sup>**, Mohamed S. Mahrous<sup>b</sup> and Ruba N.Shdeed<sup>b</sup> .*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)<sup>R</sup> 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 AOAC 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 1<sup>st</sup> 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 1<sup>st</sup> PUA International Conference on Advances in Pharmaceutical Sciences , October 27-29, October ,2015.