

## **CURRICULUM VITAE**

### **PERSONAL INFORMATION**

**Name:** Hoda Mahgoub Aly Nagy  
**Nationality:** Egyptian  
**Marital Status:** Married (one daughter & two sons)  
**Date of Birth:** 30 June 1957  
**Place of Birth:** Alexandria, Egypt  
**Foreign Language:** English  
**Present Profession:** Emeritus Professor of Pharmaceutical Analytical Chemistry, Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.

### **Scientific Degrees :**

June, 1987 Ph. D. Pharmaceutical Analytical Chemistry, University of Alexandria, Alexandria, Egypt, Entitled "*Assay of Certain Antipyretics, Analgesics and Hypnotics in Changeable Matrices*"

September, 1983 M. Sc. Pharmaceutical Analytical Chemistry, University of Alexandria, Alexandria, Egypt, Entitled "*Analysis of certain Antimicrobial Agents*"

June, 1980 B. Sc. Pharmaceutical Sciences, University of Alexandria, Alexandria, Egypt, Extinction with honor.

**Professional Carrier :**

August 2017 – present

**Emeritus PROFESSOR**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Alexandria,  
Egypt

June 2014 – July 2017

**PROFESSOR**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Alexandria,  
Egypt.

September 2009 – June 2014

**PROFESSOR**

Department of Pharmaceutical Chemistry,  
Faculty of Pharmacy, King Abdul-Aziz  
University, Jeddah, Saudi Arabia

August 2003 - September 2009

**PROFESSOR**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Alexandria,  
Egypt.

July 1997 – August 2003

**ASSISTANT PROFESSOR**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Alexandria,  
Egypt.

September 1994 – July 1997

**ASSOCIATE PROFESSOR**

Department of Pharmaceutical Chemistry,  
Faculty of Pharmacy, King Saud  
University, Riyadh, KSA.

November 1993

**ASSISTANT PROFESSOR**

Department of Pharmaceutical Analytical  
Chemistry, Faculty of Pharmacy,  
University of Alexandria, Alexandria,  
Egypt.

September 1992 –September 1994	<b>ASSISTANT PROFESSOR</b> Department of Pharmaceutical Chemistry, Faculty of Pharmacy, King Saud University
July 1987- September 1992	<b>Lecturer</b> Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.
October 1983- July 1987	<b>Assistant Lecturer</b> Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.
September 1980- October 1983	<b>Demonstrator</b> Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.

**Scientific and professional activity:**

1- Courses taught for undergraduate students (general program and clinical pharmacy program) in Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt:

- Qualitative Analytical Chemistry.
- Quantitative Analytical Chemistry.
- Instrumental Analysis.
- Applied Analytical Chemistry (water and lipid analyses)
- Pharmaceutical Analysis.

2- Courses taught for postgraduate students in Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt:

- Advanced instrumental analysis.

- Computer aided analytical methods.
- 3- Courses taught for undergraduate students in Faculty of Pharmacy, King Saud University, KSA (1992-1997):
- PHC 261; Pharmaceutical Analytical Chemistry-1.
  - PHC 262; Pharmaceutical Analytical Chemistry-2.
  - PHC 421& 461; Instrumental Analysis.
  - PHC 463; Water Analysis.
  - PHC 472; Spectrometric Identification of Pharmaceutical Compounds.
  - PHC 492; Pharmaceutical Literature.
- 4- Courses taught for postgraduate students in Faculty of Pharmacy, King Saud University, KSA (1992-1997):
- PHC 514; Advanced Spectral Analysis of Organic Compounds.
  - PHC 523; Analytical Separation Methods.
  - PHC 524; Spectroscopic Methods in Drug Analysis.
  - PHC 526; Selected Topics in Drug Analysis.
- 5- Courses taught for undergraduate students in Faculty of Pharmacy, King Abdulaziz University, KSA (2009-2014):
- Pharmaceutical Chemistry-II (Pharmaceutical Analytical Chemistry)
  - Quality Control.
- 6- Courses taught for postgraduate students in Faculty of Pharmacy, King Abdulaziz University, KSA (2010-2014):
- Advanced instrumental analysis.
- 7- Academic advisor for undergraduate pharmacy students.
- 8- Academic advisor for postgraduate students.
- 9- Academic advisor for undergraduate clinical pharmacy students.
- 10- Supervision of undergraduate students during summer pharmacy practice.

- 10- Member of the Pharmaceutical Society of Egypt.
- 11- Member of the Saudi Pharmaceutical Society.
- 12- **Publications:** 49 scientific research papers are published in international journals in the field of drug analysis.
- 13- **Supervision of scientific theses:** 3 Master theses and 3 Ph. D. Theses.

#### **Attendance of Conferences and Symposia:**

- "Alexandria First International Conference of Pharmaceutical Sciences and Technology", Nov. /1988, Alexandria, Egypt.
- "Recent Advances and Future Trends in Pharmacy Practice", Nov./19-20/1996, King Faisal Specialized Hospital, Riyadh, KSA.
- "Towards Better Childhood", 11/4-7/1416H, Women Students Medical Studies & Sciences Sections, Riyadh, KSA.
- "Food in health and Illness", 10/30 -11/ 03 /1417H, Women Students Medical Studies & Sciences Sections, Riyadh, KSA.
- "Alexandria Second International Conference of Pharmaceutical Sciences and Technology", Oct./25-27/2000, Alexandria, Egypt.
- "Assiut University Third Pharmaceutical Sciences Conference", March/5-6/2002, Assiut, Egypt.
- "BioVision Alexandria 2004", April/3-6/2004, Bibliotheca Alexandrina (BA), Alexandria, Egypt.
- "65<sup>th</sup> International Congress of FIP", Sept./3-8/ 2005, Cairo, Egypt.
- "BioVision Alexandria 2006", April/26-29/2006, Bibliotheca Alexandrina (BA), Alexandria, Egypt.
- "BioVision Alexandria 2008", April/12-16/2008, Bibliotheca Alexandrina (BA), Alexandria, Egypt.

- ملتقى الأنتاج الأكاديمي الخامس - 2009/11/11 - مركز تطوير التعليم الجامعي -  
جامعة الملك عبد العزيز - جدة - السعودية

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- "الدورة السادسة لبرنامج التعليم الصيدلي المستمر" - 3-10/11/2009- مركز الملك فهد للأبحاث- جامعة الملك عبد العزيز- جدة - السعودية.
- "Sixth Continuing Pharmacy Education Program (CPE)",  
Nov./3-10/2009, King Fahd Research Center, Jeddah, Saudi Arabia.
- ملتقى الإنتاج الأكاديمي السادس - 2010/12/22- مركز تطوير التعليم الجامعي-  
جامعة الملك عبد العزيز- جدة - السعودية
- ملتقى الإنتاج الأكاديمي السابع - 2011/12/14- مركز تطوير التعليم الجامعي- جامعة  
الملك عبد العزيز- جدة - السعودية
- ملتقى الإنتاج الأكاديمي الثامن - 2012/12/24- مركز تطوير التعليم الجامعي- جامعة  
الملك عبد العزيز- جدة - السعودية
- ملتقى الإنتاج الأكاديمي التاسع - 2013/12/21- مركز تطوير التعليم الجامعي- جامعة  
الملك عبد العزيز- جدة - السعودية

### **Training Courses:**

- "BASIC 1 computer programming course", Scientific computation center, Faculty of Engineering, University of Alexandria, Alexandria, Egypt, Sept./1984.
- "Advanced BASIC computer programming course", Scientific computation center, Faculty of Engineering, University of Alexandria, Alexandria, Egypt, May/1985.
- "Advanced techniques for the analysis of fats and oils", Institute of graduate students and research, University of Alexandria, Alexandria, Egypt, March/11-16/1989.
- Workshop on "Course Specification", Quality Assurance Unit, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, Dec./18/2004.
- Training course on "Introduction to Matlab 6.5". Information Technology Institute, Alexandria, Egypt. July/12-Aug./04/2004.
- "Universities' Legal Aspects", Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt, March/26-28/2005.
- "Decision Making and Problem solving (L3)", Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt, April/09-12/2005.

- Seminar and Workshop series on "The Scientific Uses of Informatics", Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, Feb./21-24/2005.
  
- Seminar and Workshop Series for "Bioanalytical Lab. Workers Training", Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, July/24-27/2005.
  
- Workshop for "Analytical Chemists in Pharmaceutical Industry", Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, Aug./13-16/2005
  
- "Effective Meetings Management (L6)". Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt, and Feb./22-23/2006.
  
- "Forensics Lab. Workers Training", Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, Aug./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, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, Nov./14-17, 21-24, 27-30/2005.
  - Seminar and Training Workshop Series on "Dual- Energy X-ray Absorptiometry, Body Composition Analysis and Electronic Nose", Establishing an Advanced Biophysics laboratory for Boosting Preparation of Staff and Quality of Postgraduate Researcher (D-185-H0) project, Medical Research Institute, University of Alexandria, Alexandria, Egypt, Nov./08/2006.
  
  - Workshop on "ENDNOTE X", Science Park activity, University of Alexandria, Alexandria, Egypt, Feb./10/2007.

- "Teaching with technology (T3)", Faculty and leadership development center (FLDC), University of Alexandria, Alexandria, Egypt, March/20-22/2007.

- Contribution as a lecturer in : "Workshop for Pharmacist and Chemists-Oriented Training on Useful Instrumental Techniques In R&D and QC Labs", Development & Application of Advanced Instrumental Analysis & Drug Quality Control Curriculum (DAQC) Project, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, March /25-27/2008.
  
- Contribution as a lecturer in: "Workshop for Pharmacist and Chemists-Oriented Training on Useful Instrumental Techniques In R&D and QC Labs", Science park, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt, Dec. /27-30/2008.

### **SPECIFIC RESEARCH EXPERIENCE**

Use and application of some analytical techniques such as HPLC, HPTLC, Computer- assisted spectrophotometric and Spectrofluorimetric methods and voltametric methods. Applications in drug analysis in single and/or multicomponent dosage forms and in biological fluids.

Development and application of stability indicating methods for drug analysis.

Instrumentation; Spectrophotometers, Spectrofluorimeter, HPLC, HPTLC, Polaroragh, Atomic-Absorption spectrometer, Flame-photometer, Polarimeter and refractometer.

### **SUPERVISED SCIENTIFIC THESES**

#### **A- MASTER THESES :**

- 1- "Application of Chemometric methods to the determination of some binary mixtures of pharmaceutical compounds"  
Marwa S. Moneeb, 2002.
- 2- "Analysis of some selected drugs acting on H<sub>1</sub> & H<sub>2</sub> receptors"  
Rasha M. Youssef, 2002.
- 3- Analysis of some drugs used in the treatment of obesity and related



disorders”

Miranda Fawzi Younis. 2011.

**B- Ph. D. THESES :**

- 1- "Analysis of certain drugs used for treatment of psychiatric disorders", Rasha M. Youssef, 2005.
- 2- “Analysis of some cough-cold preparations using modern spectroscopic and chromatographic techniques”, Hadir M. Maher, 2005.
- 3- "Analysis of some neuropsychiatric disorder drugs using different green analytical techniques", Osama elmallah, under supervision.

## LIST OF PUBLICATIONS

- 1) Spectrofluorimetric assay of tetracycline and anhydrotetracycline in combination.  
M.A. Elsayed; M.H. Barary and **Hoda Mahgoub**.  
*Talanta*, 32 (12), 1153-1155 (1985).
- 2) Kinetic method of tetracycline and oxytetracycline assay using spectrophotometric measurements.  
M.A. Elsayed; H.M. Barary and **Hoda Mahgoub**.  
*Anal. Letters*, 18 (B11), 1357-1373 (1985).
- 3) pH-induced difference, spectrophotometric assay of tetracycline and oxytetracycline.  
A.M. Wahbi; M.H. Barary; **Hoda Mahgoub** and M.A. Elsayed.  
*J. Assoc. Off. Anal. Chem.* 68 (5), 1045-1048 (1985).
- 4) Second derivative spectrophotometric determination of acetaminophen and phenacetin in presence of their degradation products.  
M.A. Korany; Mona M. Bedair; **Hoda Mahgoub** and M.A. Elsayed.  
*J. Assoc. Off. Anal. Chem.*, 69 (4), 608-611 (1986).
- 5) An interactive computer program for multicomponent spectrophotometric analysis using orthogonal polynomials.  
M.A. Korany; M.A. Elsayed; Mona M. Bedair; **Hoda Mahgoub** and E.A. Korany.  
*Anal. Letters*, 23 (3), 507-527 (1990).
- 6) Computer-assisted spectrophotometry: multicomponent analysis with a discrete Fourier transform.  
M.A. Korany; M.A. Elsayed; Mona M. Bedair; **Hoda Mahgoub** and E.A. Korany.  
*Talanta*, 37 (12), 1183-1188 (1990).
- 7) Computer-assisted spectrophotometric method for the assay of acetaminophen and phenacetin in the presence of their degradation products using combined orthogonal polynomials.  
M.A. Elsayed; M.A. Korany; Mona M. Bedair; **Hoda Mahgoub** and E.A. Korany.

*Drug Dev. And Ind. Pharm.*, 16 (6), 1011-1024 (1990).

- 8) Computer-assisted spectrophotometric analysis of three component mixtures (caffeine mixtures and codeine mixtures).  
M.A. Elsayed; M.A. Korany; Mona M. Bedair; **Hoda Mahgoub** and E.A. Korany.  
*Anal. Letters*, 25 (2), 239-252 (1992).
- 9) Computerized compensation method for the spectrophotometric determination of a single substance in presence of interferences.  
A.M. Wahbi, **Hoda Mahgoub** and M.H. Barary.  
*Analyst*, 114, 505-508 (1989).
- 10) Computerized derivative spectrophotometric assay of two component mixture using least squares method.  
**Hoda Mahgoub**.  
*Drug. Dev. and Ind. Pharm.* 16 (14), 2135-2144 (1990).
- 11) Spectrophotometric determination of atropine sulphate and nystatin in presence of other drugs using orthogonal polynomials for unequal intervals.  
M.A. Korany and **Hoda Mahgoub**.  
*Die Pharmazie*, 46 (H, 12), 883-885 (1991).
- 12) Spectrophotometric assay of fluphenazine HCl - nortriptyline HCl mixture in tablets using Fourier function method.  
**Hoda Mahgoub**; M.A. Korany; Heba Abdine and M.A. Elsayed.  
*Anal. Letters*, 24 (10), 1797-1811 (1991).
- 13) Use of Fourier functions in the differential spectrometric assay of three tranquilizers: the  $\Delta t_j$  method.  
M.A. Korany; **Hoda Mahgoub**; Heba Abdine and M.A. Elsayed.  
*Acta Pharm.* 42, 37-45 (1992).
- 14) Derivative and derivative-difference spectrophotometric determination of captopril in two component mixtures.  
**Hoda Mahgoub**; F.A. El-Yazbi and M.H. Barary.  
*Sci. Pharm.*, 60, 239-245 (1992).
- 15) Computer-assisted spectrophotometric determination of some phenothiazines in presence of their sulphoxides using orthogonal polynomials and Fourier functions.

- Hoda Mahgoub** and Ikram M. Hassan.  
*Bull. Fac. Pharm. Cairo Univ.*, 30 (1), 1-5 (1992).
- 16) Application of derivative spectrophotometry to the determination of each of metoclopramide HCl and lignocaine HCl in pharmaceutical preparations.  
M. H. Barary; **Hoda Mahgoub** and F.A. El-Yazbi.  
*Alex. J. Pharm. Sci.*, 6 (1), 49-52 (1992).
- 17) Simultaneous determination of sulfamethoxazole and its metabolite N<sup>4</sup>-acetylsulfamethoxazole in urine using derivative spectrophotometry.  
**Hoda Mahgoub** and Mohamed Abdel Hamid.  
*Alex. J. Pharm. Sci.*, 6 (3), 304-306 (1992).
- 18) In-vitro determination of aztreonam in urine and in its dosage form.  
Ekram M. Hassan; Salah M. Blaih and **Hoda Mahgoub**.  
*Alex. J. Pharm. Sci.*, 7 (2), 160-163 (1993).
- 19) Spectrophotometric method for the determination of metoclopramide.  
F.A. El-Yazbi; **Hoda Mahgoub** and M.H. Barary.  
*Bull. Fac. Pharm. Cairo Univ.*, 31 (1), 63-65 (1993).
- 20) UV-spectrophotometric determination of ampicillin sodium and sulbactam sodium in two-component mixtures.  
**Hoda Mahgoub** and Fatma A. Aly.  
*J. Pharm. Biomed. Anal.*, 17, 1273-1278 (1998).
- 21) Anodic polarographic behavior and determination of aztreonam in dosage forms and biological fluids.  
Fatma A. Aly and **Hoda Mahgoub**.  
*Anal. Letters*, 32(6), 1095-1108 (1999).
- 22) Voltammetric, spectrofluorimetric and spectrophotometric methods to determine flufenamic acid.  
Suzy M. Sabry and **Hoda Mahgoub**.  
*J. Pharm. Biomed. Anal.*, 21, 993-1001 (1999).
- 23) Determination of some histamine H<sub>1</sub>-receptor antagonists in dosage forms.  
Azza A. Gazy, **Hoda Mahgoub**, Fawzi A. El-Yazbi, Mahmoud A. El-Sayed and Rasha M. Youssef.  
*J. Pharm. Biomed. Anal.*, 30, 859-867 (2002).

- 24) Spectrophotometric determination of omeprazole, lansoprazole and pantoprazole in pharmaceutical formulations.  
Abdel-Aziz M. Wahbi, Omayma A.- Razak, Azza A. Gazy, **Hoda Mahgoub** and Marwa S. Moneeb.  
*J. Pharm. Biomed. Anal.*, 30, 1133-1142 (2002).
- 25) Spectrophotometric and fluorimetric determination of aztreonam in bulk and dosage forms.  
**Hoda Mahgoub**.  
*J. Pharm. Biomed. Anal.*, 31(4), 767-774 (2003).
- 26) Spectrophotometric determination of binary mixtures of pseudoephedrine with some histamine H<sub>1</sub>-receptor antagonists using derivative ratio spectrum method.  
**Hoda Mahgoub**, Azza A. Gazy, Fawzi A. El-Yazbi, Mahmoud A. El-Sayed and Rasha M. Youssef.  
*J. Pharm. Biomed. Anal.*, 31(4), 801-809 (2003).
- 27) Spectrophotometric and titrimetric determination of nizatidine in capsules.  
Fawzi A. El-Yazbi, Azza A. Gazy, **Hoda Mahgoub**, Mahmoud A. El-Sayed and Rasha M. Youssef.  
*J. Pharm. Biomed. Anal.*, 31(5), 1027-1034 (2003).
- 28) Application of Fourier functions to ratio-spectra of absorption curves: Theory and application.  
Abdel-Aziz M. Wahbi and **Hoda Mahgoub**.  
*Bull. Fac. Pharm. Cairo Univ.*, 41 (1), 265-276 (2003).
- 29) Determination of ketoprofen and chlorzoxazone in capsules by ratio-spectra orthogonal function spectrophotometry.  
Abdel-Aziz M. Wahbi, **Hoda Mahgoub**, Omayma A.- Razak, Azza A. Gazy, and Marwa S. Moneeb.  
*Alex. J. Pharm. Sci.*, 17(1), 31-39 (2003).
- 30) Qualitative polarographic analysis of some metals as single and in mixtures using chemometric methods.  
Abdel-Aziz M. Wahbi, Azza A. Gazy, Omayma A.- Razak, **Hoda Mahgoub** and Marwa S. Moneeb.  
*Bull. Fac. Pharm. Cairo Univ.*, 41 (1), 277-283 (2003).

- 31) Spectrophotometric resolution of the binary mixture nadolol and bendroflumethiazide in pharmaceutical tablets.  
**Hoda Mahgoub.**  
*Bull. Fac. Pharm. Cairo Univ., 41 (1), 285-298 (2003).*
- 32) Electrochemical behaviour and determination of fosinopril sodium in dosage forms.  
**Hoda Mahgoub.**  
*Bull. Fac. Pharm. Cairo Univ., 41 (1), 299-306 (2003).*
- 33) Chemometric and chromatographic determination of isopropamide iodide, diphenylpyramine hydrochloride and phenylpropanolamine hydrochloride in their pharmaceutical mixtures  
**Hoda Mahgoub**, M. A. Korany, Ossama T. Fahmy, Hadir M. Maher.  
*Presented at the 65th International Congress of FIP, September, 3-8, 2005, Cairo, Egypt.*
- 34) Non-parametric linear regression of discrete Fourier transform convoluted chromatographic peak responses in non-ideal conditions.  
M. A. Korany, Ossama T. Fahmy, **Hoda Mahgoub** and Hadir M. Maher.  
*Talanta, 66, 1073-1087 (2005).*
- 35) Spectrophotometric and spectrofluorimetric methods for the determination of the fluoxamine maleate with ninhydrin in drug formulations .  
Rasha M. Youssef, Essam F. Khamis, **Hoda Mahgoub**, Azza A. Gazy and M.A. El-Sayed .  
*Presented at the 65th International Congress of FIP, September, 3-8, 2005, Cairo, Egypt.*
- 36) Differential pulse, square wave and adsorptive stripping voltammetric quantification of tianeptine in tablets  
Azza A. Gazy, **Hoda Mahgoub**, Essam F. Khamis, Rasha M. Youssef, M.A. El-Sayed .  
*J. Pharm. Biomed. Anal., 41,1157-1163 (2006).*

- 37) 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)
- 38) **High performance liquid chromatographic determination of some guaiphensin-containing cough-cold preparations.**  
M. A. Korany, Ossama T. Fahmy, *Hoda Mahgoub* and Hadir M. Maher.  
*Journal of Advanced Research*, 2,121-130 (2011).
- 39) **Kinetic spectrophotometric methods for the determination of artificial sweetener (sucralose) in tablets**  
Rasha M. Youssef, M. A. Korany, Essam F. Khamis, *Hoda Mahgoub* and Miranda F. Kamal.  
*Drug Testing and Analysis*, 3, (4),214-220 (2011).
- 40) **Application of artificial neural networks for response surface modeling in HPLC method development.**  
Mohamed A. Korany, Ossama T. Fahmy, *Hoda Mahgoub*, Hadir M. Maher.  
*Journal of Advanced Research* (2012) 3, 53–63.
- 41) **Sucralose**  
Omar A.A. AlDeeb, *Hoda Mahgoub*, Nagwa H. Foda  
Profiles of Drug Substances, Excipients, and Related Methodology, Vol. 38, Burlington: Academic Press, (2013), pp. 423-462.
- 42) Microspectrometric determination of sibutramine in adulterated slimming formulation  
Rasha M. Youssef, Essam F. Khamis, Mohamed. A. Korany, *Hoda Mahgoub*, and Miranda F. Kamal.  
*Anal. Methods*, 2014,6, 3395-3400.
- 43) **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 Dev Ind Pharm*, 2014; 40(9): 1190–1198

- 44) **Development and validation of a gradient elution performance liquid chromatographic method for determination of talinolol in rat plasma: Application to a preclinical food-drug interaction study.**  
*Hoda Mahgoub*, Abeer Hanafy, Faida H. Bamane and Abdulrahman E. Radwan.  
*Acta Chromatographica*, 27(1), 67–79 (2015).
- 45) **A Validated HPLC Method for the Determination of Linagliptin in Rat Plasma. Application to a Pharmacokinetic Study**  
Abeer Hanafy and *Hoda Mahgoub*  
*Journal of Chromatographic Science*, 54(9), 1573-1577 (2016).  
doi:10.1093/chromsci/bmw106
- 46) **Green chemistry: Analytical and Chromatography**  
Mohamed A. Korany, *Hoda Mahgoub*, Rim S. Haggag, Marwa A. A. Ragab & Osama A. Elmallah  
*Journal of Liquid Chromatography & Related Technologies*, 40(16), 839–852 (2017).  
<https://doi.org/10.1080/10826076.2017.1373672>
- 47) **Development of a Green Stability-Indicating HPLC–DAD Method for the Determination of Donepezil Hydrochloride in Presence of Its Related Substance and Degradation Products**  
Mohamed A. Korany, *Hoda Mahgoub*, Rim S. Haggag, Marwa A. A. Ragab & Osama A. Elmallah  
*Journal of Liquid Chromatography & Related Technologies*, 40(18), 930–942 (2017).  
<https://doi.org/10.1080/10826076.2017.1373672>
- 48) **Green Gas Chromatographic Stability-Indicating Method for the Determination of Lacosamide in Tablets. Application to in-vivo Human Urine Profiling**  
Mohamed A. Korany, *Hoda Mahgoub*, Rim S. Haggag, Marwa A. A. Ragab & Osama A. Elmallah  
*Journal of Chromatography B*, 1083, 75–85 (2018).



- 49) **Chemometrics - Assisted Spectrophotometric Green Method for Correcting Interferences in Biowaiver Studies: Application to Assay and Dissolution Profiling Study of Donepezil Hydrochloride Tablets**  
Mohamed A. Korany, *Hoda Mahgoub*, Rim S. Haggag, Marwa A. A. Ragab & Osama A. Elmallah  
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 199, 328–339 (2018).