

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: Professor of Pharmaceutical Analytical Chemistry,
Department of Pharmaceutical 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, Exstinction with
honor.

Professional Carrier :

June 2014 - present

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

ASSISTANT PROFESSOR

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, King Saud University

July 1987- September 1992

Lecturer

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

October 1983- July 1987

Assistant Lecturer

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

September 1980- October 1983

Demonstrator

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

Scientific and professional activity :

1- Courses taught for undergraduate students 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 graduate students.
- 9- 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** : **44** scientific research papers are published in an international journals in the field of drug analysis.

13- **Supervision of scientific theses** : 3 Master theses and 2 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 Alexsandria 2004", April/3-6/2004, Bibliotheca Alexandrina (BA), Alexandria, Egypt.

- "65th International Congress of FIP", Sept./3-8/ 2005, Cairo, Egypt.

- "BioVision Alexsandria 2006", April/26-29/2006, Bibliotheca Alexandrina (BA), Alexandria, Egypt.

- "BioVision Alexsandria 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

- "الدورة السادسة لبرنامج التعليم الصيدلي المستمر" - 2009/11/ 10-3 - 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.

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- ملتقى الأنتاج الأكاديمي السادس - 2010/12/22 - مركز تطوير التعليم الجامعي - جامعة الملك عبد العزيز - جدة - السعودية
 - ملتقى الأنتاج الأكاديمي السابع - 2011/12/14 - مركز تطوير التعليم الجامعي - جامعة الملك عبد العزيز - جدة - السعودية
 - ملتقى الأنتاج الأكاديمي الثامن - 2012/12/24 - مركز تطوير التعليم الجامعي - جامعة الملك عبد العزيز - جدة - السعودية
 - ملتقى الأنتاج 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. Juli/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, Juli/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, 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 or multicomponent dosage forms, biological fluids and/or stability indicating methods of analysis.

Instrumentation; Spectrophotometers, Spectrofluorimeter, HPLC, HPTLC, Polarograph, 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 H₁ & H₂ 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.

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 Δt_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 N⁴-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 H₁-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 H₁-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, diphenylpyraline 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, 3, 53–63 (2012).
- 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 an adulterate slimming formulation.
Rasha M. Youssef, Essam F. Khamis, Mohamed A. Korany, **Hoda Mahgoub** and Miranda F. Kamal.
Anal. Methods, 6, 3395–3400, (2014).

- 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, M. A. Korany, Essam F. Khamis, and Miranda F. Kamal.
Drug Dev Ind Pharm, 40(9), 1190–1198 (2014).
- 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).