

CURRICULUM VITAE

Name *Hadir Mohamed Maher Ibrahim Hafez Shalaby*

Date and Place of Birth 07.01.1977, Alexandria, Egypt.

Nationality Egyptian

Marital Status Married – Two daughters

Current Position Associate Professor, Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.
Professor, Pharmaceutical Chemistry Department, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

Contact Address Al-Malaz, Riyadh, Saudi Arabia
176 Tiba Street, Sporting, Alexandria, Egypt.
Tel: 009660118052929, 00966502206325
Email: hadirrona@yahoo.com hshalaby@ksu.edu.sa

Scientific Qualifications

* Bachelor of Pharmaceutical Sciences, June 1999, with general grade "Excellent, High Honor" Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.

* Master of Pharmaceutical Sciences (Pharmaceutical Analytical Chemistry), April 2003, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.

Thesis entitled: "Analysis of certain anticancer drugs in their pharmaceutical preparations and biological fluids".

* Ph.D. of Pharmaceutical Sciences (Pharmaceutical Analytical Chemistry), November 2005, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.

Thesis entitled: "Analysis of some cough-cold preparations using modern spectroscopic and chromatographic techniques".

* Post doctoral scholarship in the department of Pharmacal Sciences, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, USA (August 2008 - August 2009).

Employment and Scientific Positions

- 1) Demonstrator at the Pharmaceutical Analytical Chemistry Dept., Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt (March 2000 – April 2003).
- 2) Assistant Lecturer at the Pharmaceutical Analytical Chemistry Dept., Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt (May 2003 – December 2005).
- 3) Lecturer (Assistant Professor) at the Pharmaceutical Analytical Chemistry Dept., Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt (December 2005 – January 2011).
- 4) Assistant Professor at the Pharmaceutical Analytical Chemistry Dept., Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt (January 2011 till now).
- 5) Post-doctoral exchange visitor in the department of Pharmacal Sciences, Auburn University, Auburn, Alabama, USA (August 2008 - August 2009).
- 6) Associate professor in the department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia (February 2011 till May 2015)
- 6) Professor in the department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia (May 2015 till now)

Academic Achievement

- Alexandria University's honor list: September 1999.
- Alexandria University award for scientific encouragement: 2010.
- Acdima Research Award (Amman, Jordan) for the best published manuscripts for the year 2010.
- Marquis Who's Who in the world 2005 till now.

Professional and Scientific Activities

1. Professional Activity

A - Member in the Egyptian Syndicate of Pharmacists since 1999.

B- Regular reviewer in the following international highly cited journals in the field of Analytical Chemistry:

Talanta - Journal of Flourescence – Drug testing and analysis - Analytical Letters – Journal of liquid chromatography &related technologies - International journal of Environmental Analytical Chemistry - African Journal of Environmental Science and Technology - African Journal of pharmacy and pharmacology -Saudi Pharmaceutical

Journal - Journal of Saudi Chemical Society - Scientia Pharmaceutica - Journal of the Association of the Arab Universities of Basic and Applied Science - Arabian journal of chemistry-Analytical Methods-Chemistry Central Journal

C- Editor in “Journal of Chromatography & Separation Techniques”

D- Funded Research Projects:

Research group no. RGP-VPP-065 (2011-2012, 2012-2013), RGP-VPP-331 (2013-2014, 2014-2015, 2015-2016), Deanship of Scientific Research, King Saud University.

2. Academic Teaching Experience

A) Undergraduate Level

-Teaching theoretical and practical courses in Pharmaceutical Analytical Chemistry for first and second year Pharmacy students, Faculty of Pharmacy, Alexandria University, EGYPT (2000 to January 2011) including:

- Qualitative Inorganic Analysis for first year students.
- Different aspects in Quantitative Analytical Chemistry for second year Pharmacy students.
- Instrumental Analysis.
- Teaching undergraduate courses in the department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia (February 2011 till now).
 - PHC 213: Pharmaceutical Analytical Chemistry (2+1).
 - PHC 427: Pharmaceutical Instrumental Analysis (3+1).
 - PHCL 495: Graduation project (3+0), supervising the students in doing their graduation projects.

B) Postgraduate Level

-Teaching a postgraduate course entitled: "Computer Science and Information Technology", that deals with the use of mathematical techniques and computer sciences and their application in drug analysis, for master students (2006-2010).

-Teaching many postgraduate courses in the department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia (February 2011 till now)

- PHC 523 : Analytical separation methods (2+1)
- PHC 524: Spectroscopic methods in drug analysis (2+1)
- PHC 525: Electrochemical methods in drug analysis (2+1)
- PHC 527: Chemical kinetics in drug analysis (2+1)
- PHC 661: Recent advances in electrochemical analysis (1+1)
- PHC 593: Computer programs in pharmaceutical quality control (2+1)

- PHC 591: Pharmaceutical literature (1+0)
- PHC 592: Seminar (1+0)

3. Training courses

- a) Attending and passing the English course required for sabbatical leave for the USA from 4/3/2008 to 19/3/2008
- b) Attending educational courses in the Faculty and Leadership Development Program (FLDP)
 - * Curriculum Design (T4), April 28-30, 2007
 - * Managerial skills (P2), May 15-17, 2007
 - * Writing scientific paper and international publications (R2), May 19-21, 2007
 - * Teaching with technology (T3), May 22-24, 2007
 - * Preparing research project (R3), May 29-31, 2007
 - * Credit hours (D1), June 19-21, 2007
 - *Crisis & Disaster management, July 6-7, 2015
 - * Research Ethics, August 4-5, 2015
- c) Attending the workshop entitled "The role of evaluation in University teaching\ learning, Student Assessment (presentation & Workshop)", December 30-31, 2009, under the supervision of "Development of Students' Assessment and Exams in Alexandria University" Project.
- d) Attending the workshop entitled "Means of evaluation in different areas of learning, How to write questions for written exams", March 9-10, 2010, under the supervision of "Development of Students' Assessment and Exams in Alexandria University" Project.
- e) Attending the workshop entitled "Means of practical and clinical exams", April 11-12, 2010, under the supervision of "Development of Students' Assessment and Exams in Alexandria University" Project.
- f) Attending the workshop entitled "Assignments and Projects, Oral exams", August 8-9, 2010, under the supervision of "Development of Students' Assessment and Exams in Alexandria University" Project.
- g) Attending *The First International Conference of the Quality Assurance and Accreditation Center*, April 15, 2008, Cairo University, entitled " Quality and Accreditation, The Present and Prospective"

-----Workshops attended in King Saud University-----

Deanship of Skills Development

- “Multiple intelligence for developing creative thinking”, King Saud University, April 30-May 1, 2011 (26-27/5/1432 H) for a total of ten training hours.

- “Learning outcomes assessment”, King Saud University, April 23-24, 2011 (19-20/5/1432 H) for a total of nine training hours.
- “Effective classroom management and dealing with disruptive students”, King Saud University, May 18, 2011 (15/6/1432 H) for a total of five training hours.
- “The 1st annual forum for university teaching”, September 11-12, 2011 (13-14/10/1432 H).
- “Teaching based on specialization and educational research”, “Discipline based teaching & pedagogic research”, March 5, 2012 (12/4/1433 H) for a total of five training hours.
- “Rubric system for students assessment”, April 8, 2012 (16/5/1433 H) for a total of three training hours.
- “E-Technologies for learning”, April 9-11, 2012 (17-19/5/1433 H) for a total of fifteen training hours.
- “Effective teaching”, December 1-2, 2012 (17-18/1/1434 H) for a total of ten training hours.
- “Second Annual meeting for university teaching, evaluation of learning outcomes”, February 9-10, 2013 (28-29/3/1434 H) for a total of ten training hours.
- “Publication in international periodicals”, April 6-7, 2013 (25-26/5/1434 H) for a total of eight training hours.
- “Scientific supervision of postgraduate students”, April 20-21, 2013 (10-11/6/1434 H) for a total of ten training hours.
- “Designing capstone programs”, May 11, 2014 (12/7/1435 H) for a total of eight training hours.
- “Service learning”, May 7, 2014 (8/7/1435 H) for a total of eight training hours.
- “Design of electronic courses using CourseLab”, September 8, 2014 (13/11/1435 H) for a total of five learning hours.
- “Developing the teaching portfolio”, March 12, 2015 (21/5/1436 H) for a total of four learning hours.
- “Developing of electronic tests”, March, 19, 2015 (28/5/1436 H) for a total of six hours.
- “Performance quantitative assessment according to KSU-QMS”, April 12-13, 2015 (23-24/6/1436 H) for a total of ten training hours.
- “Digital games in college learning”, May 4, 2015 (15/7/1436 H) for a total of six training hours.
- “Smartphone applications in teaching”, May 7, 2015 (18/7/1436 H) for a total of six training hours.

- "Cambridge electronic database", November 4, 2015 (22/1/1437 H) for a total of two training hours.
- "Learning management system", January 17-19, 2016 (7-9/4/1437 H) for a total of twelve training hours.
- "Flipped classrooms", February 3, 2016 (24/4/1437 H) for a total of four training hours.
- "Poll Everywhere for assessment", February 7, 2016 (28/4/1437 H) for a total of six training hours.
- The third conference on university teaching, "Active learning for improving learning outcomes", April 4-5, 2016 (26, 27/6/1437 H).

Deanship of E-transactions & Communications

- "Statistical Analysis software, SAS", March 16, 2011 (11/4/1432 H)

Deanship of E-learning & distance learning

- "Smart classrooms", (29/5/1432 H)

Deanship of Scientific Research

- "New trends in scientific research industry", October 9, 2011 (11/11/1432 H).
- "EndNote", November 22, 2011 (26/12/1432 H).
- "The second Saudi international conference on scientific publishing 2015", October 11-13, 2015 (28-29/12/1436 H).

4. Scientific Workshops

- Attending "High performance liquid chromatography", Seminar and Workshop Series, May 18-21, 2003, Department of Pharmaceutical Analytical chemistry, Faculty of Pharmacy, University of Alexandria.
 - Attending "The Scientific Uses of Informatics", Seminar and Workshop Series, February 21-24, 2005, offered by the (DAQC) Project, Faculty of Pharmacy, University of Alexandria.
 - Attending "Bioanalytical Lab Workers Training", Seminar & Workshop Series, July 24-27, 2005, offered by the (DAQC) Project, Faculty of Pharmacy, University of Alexandria)
- Attending "Workshop for Analytical Chemists in Pharmaceutical Industry, HPLC and CE" Seminar &

Workshop Series, Aug. 13-16, 2005, offered by the (DAQC) Project, Faculty of Pharmacy, University of Alexandria.

e) Attending "Workshop in Instrumental Analysis for recently graduated pharmacists and those working in industrial companies", 2006 & 2008, offered by (HEEPF) Project, Faculty of Pharmacy, University of Alexandria.

f) Attending lectures and workshops during the period 2006-2007, organized by the Science Park,
* HPLC methods of Analysis

* Ethics of research on human subjects and preparation of documents for submission to the Research Ethics Committee of the Faculty of Pharmacy, University of Alexandria.

* Prequalification of Bioequivalence centers and ISO requirements.

g) **Participating** in the practical part of the workshops entitled "Workshop in Instrumental Analysis for recently graduated pharmacists and those working in industrial companies", 2005 & 2008, offered by (HEEPF) Project, Faculty of Pharmacy, University of Alexandria.

h) **Participating** in the workshop entitled "Instrumental Analysis and Quality Control" November 14-16, 2009, under the supervision of Science Park, Faculty of Pharmacy, University of Alexandria.

5. Scientific Conferences and Exhibitions

1) Participating in the "65th International Congress of FIP", September 3-8, 2005, Cairo, Egypt.

2) Participating in the "Scientific Conference of Faculty of Pharmacy", Cairo University, 29 March, 2008, poster Code AQC-11.

3) Participating in the "Biovision, Bibliotheca Alexandrina", April 2008/2010, Alexandria, Egypt.

4) Participating in the "Pittcon Conference", March 8-13, 2009, Chicago, Illinois, USA.

5) Participating in the "237th American Chemical Society National Meeting & Exposition", March 22-26, 2009 Salt Lake City, UT, USA

6) Participating in the "16th International Scientific Conference", November 13-15, 2009, Beirut Arab University, Beirut, Lebanon, through oral presentation.

7) Participating in "Pittcon Conference", February 27- March 4, 2010, Orlando, Florida, USA.

8) Participating in the first international conference held in Beirut, entitled "Recent Advances In Pharmaceutical Research and Technology", May 6-7, 2010 at BAU, Beirut Campus.

---Conferences attended in King Saud University---

- 9) Participating in the “4th International Chemistry Conference”, November 19-21, 2011 (23-25/12/1432 H), Riyadh, Saudi Arabia.
- 10) Participating in "4th International Conference on Drug Discovery and Therapy" (4th ICDDT 2012), February 12-15, 2012, Dubai, UAE.
- 11) Participating in “Pittcon Conference”, March 11-15, 2012, Orlando, Florida, USA.
- 12) Participating in “Separation Science Asia 2012, New Horizons in Separation and Detection Techniques”, June 27-28, 2012, Kuala Lumpur, Malaysia.
- 13) Participating in 6th International symposium on the separation and characterization of natural and synthetic macromolecules, February 6-8, 2013, Dresden, Germany.
- 14) Participating in “Pittcon Conference”, March 8-12 March, 2015, New Orleans, LA, USA.
- 15) Participating in " *XII international conference on pharmacy and pharmaceutical sciences*", January 30-31, 2015, Dubai, UAE.
- 16) Participating in “Third Annual Conference on Chemistry & Physics", July 20-23, 2015, Athens, Greece.
- 17) Participating in “The Phytochemical Society of North America”, August 8-12, 2015, University of Illinois at Urbana-Champaign, Illinois, USA.

6. Research Interests

Analysis of drugs in their pharmaceutical products and biological fluids using different instrumental techniques including; spectrophotometry, spectrofluorimetry, electrochemical methods of analysis and chromatography. Among the chromatographic methods are: HPLC, HPTLC, CE, GC-MS and GC-IRD techniques.

7. Theses Supervision

a) Co-supervisor for the following Master Degree thesis:

- "*Biophysical Analysis of emanated pheromonal odor changes in cows using electronic nose technology*" (Medical Research Institute, Alexandria University)
Asmaa Mohamed Shaaban, 2006-2009.

b) Co-supervisor for the following Ph.D. Degree thesis:

- "*Analysis of some pharmaceutical matrices using emerging techniques*"
Marwa Adel ((Faculty of Pharmacy, Alexandria University), 2005-2010.
- "*Contribution to the analysis of some drugs used in the treatment of cardiovascular disorders*".

Eman Ebrahim Saleh El-Kimary, (Faculty of Pharmacy, Alexandria University), 2007-2011.

c) Main supervisor for the master degree thesis in Pharmaceutical Chemistry, Faculty of Pharmacy, King Saud University:

"Analysis of some guaifenesin containing cough-cold preparations using advanced spectroscopic and chromatographic techniques" Shorog Al-taweel, 2012-2014.

d) Main supervisor for the Ph.D. degree thesis in Pharmaceutical Chemistry, Faculty of Pharmacy, King Saud University:

"Analysis of selected novel tyrosine kinase inhibitors using modern spectroscopic and chromatographic techniques" Shereen Shehata, 2015 till now.

Examiner of dissertations:

1. *"Novel enzyme immunoassay for lenalidomide: the new drug for treatment of multiple myeloma"*

Reem Mohamed Abuhejail, **Master degree of Chemistry**. (2013), Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University.

2. *"Preparation of ion selective electrodes for determination of the antidepressant drug escitalopram in its pharmaceutical formulations"* Fatimah Mushabbab Al-Amri, **Master degree of Chemistry**. (2013), Department of Chemistry, College of Science, King Saud University.

3. *"Colorimetric determination of glucosamine sulphate in its pharmaceutical preparations"* Ahlam Mobty Al-Moteiry, **Master degree of Chemistry**. (2015), Department of Chemistry, College of Science, King Saud University.

4. *"Spectrophotometric methods for the determination of the antibiotic cefditoren pivoxil in its pharmaceutical preparations"* Norah Sultan Abdulaziz Al-Motlaq, **Master degree of Chemistry**. (2015), Department of Chemistry, College of Science, King Saud University.

**8. Activities related to Quality Assurance and Accreditation
(Faculty of Pharmacy, Alexandria University, 2006-2010)**

* Sharing in stating the "mission and vision of the Faculty of Pharmacy" as an activity of the CIQAP project.

* A member in the implementation team in "Development of Students' Assessment and Exams in Alexandria University" Project.

* Sharing in writing the course specification of some courses related to the master degree of pharmaceutical sciences offered by the department of Pharmaceutical Analytical Chemistry.

* Sharing in the data analysis concerned with different activities offered by " Development and Application of Advanced Instrumental Analysis and Drug Quality Control Curriculum (DAQC)" project.

* A member in the committee responsible of checking the chemicals in the department of Pharmaceutical Analytical Chemistry.

9. Activities related to Community Service and Development Environment

(Faculty of Pharmacy, Alexandria University, 2006-2010)

* Participating in the research, educational and training activities of the Science Park at the Faculty of Pharmacy, University of Alexandria, Egypt, during the period 2006-2010. These activities included:

1- Participation in the bioequivalence team. The job was to develop and conduct as well as train staff on bioanalytical methods concerning the analysis of drugs in their pharmaceutical preparations and biological media.

2- Attending lectures and workshops on:

a) HPLC methods of analysis

b) Ethics of research on human subjects and preparation of documents for submission to the Research Ethics Committee of the Faculty of Pharmacy, University of Alexandria

c) Prequalification of Bioequivalence Centers and ISO requirements (WHO, FDA and ICH Guidelines, definitions of terms, Basic concepts: accreditation and certification, quality control, quality assurance and total quality management, preparations and considerations when seeking laboratory accreditation, requirements for quality and competence,...)

3- Training laboratory staff on different aspects of Bioanalysis and HPLC methodology.

10. Activities related to Student Affairs

(Faculty of Pharmacy, Alexandria University, 2006-2010)

* Participating in the academic supervision of undergraduate students.

* Pilot of the "Art Committee" of the Faculty of Pharmacy, Damnhour Branch, Alexandria University.

* A member of the Audit Committee for the evaluation of the paper exam of the undergraduate and post-graduate students.

* A member in the data analysis team responsible for assessing " the evaluation of courses in the credit hour system"

11. Other Achievements

* Attending and passing courses in general and physical chemistry, mathematics, instrumental analysis and computer sciences with the highest score (Excellent), Faculty of Pharmacy, University of Alexandria, 2001-2003

* Attending and passing advanced courses in “Pharmaceutical Analysis” with (Excellent) grade as a partial fulfillment for the M. Pharm. Sci. degree, Faculty of Pharmacy, University of Alexandria.

* **Computer skills:** good user of windows, office, chemistry drawing software and the internet.

- (Advanced MS-Excel 2000), the ITI centre, May 3-12, 2004.

- (Matlab 6.5), the ITI centre, July 12 – August 4, 2004.

* **English Language:** Excellent reading, writing and speaking.

- Advanced courses for post graduate students – Alexandria University.

---Activities in King Saud University---

- A member in the committee of quality assurance in the department of Pharmaceutical Chemistry from 9/3/1432 to 23/10/1433 H.
- A member in the committee responsible of the instruments, chemicals, and hardware in the department of Pharmaceutical Chemistry from 9/2/1433 to 20/11/1435 H.
- A member of the committee responsible of the academic advising in the department of Pharmaceutical Chemistry from 9/2/1433 H until now.
- A coordinator of the committee responsible of the academic advising in the department of Pharmaceutical Chemistry from 10/11/1434 – 20/11/1435 H.
- A member of the committee named “Qualification of Saudi Universities in the Marketplace” in the College of Pharmacy, KSU, from 20/7/1435 H until now.
- A member of the research project no. RGP-VPP-065, 1432/1433, 1433-1434 and the research project no. RGP-VPP-331, 1434/1435, 1435/1436 H.
- Participating in the "Students' Research Week" by giving a lecture "How to write a research proposal", January 21-February 4, 2016.

**** *Giving lectures in the Faculty of Pharmacy, Alexandria University, Egypt;***

- 1- (Modern advances in the use of polysaccharide-based chiral selectors in HPLC analysis),
June 23, 2014.
- 2- (Stacking as a versatile online pre-concentration technique in microemulsion micellar electrokinetic chromatography (**MEEKC**)), *June 14, 2015*
- 3- (Capstone programs in college learning), *June 25, 2014.*

LIST OF PUBLICATIONS

A. Conference Abstracts

- 1) "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**. *65th International Congress of FIP, September 3-8, 2005, Cairo, Egypt.*
- 2) "Development of validated chromatographic methods for the simultaneous determination of metronidazole and spiramycin in tablets". **Hadir M. Maher**, Rasha M. Youssef. *Scientific Conference of Faculty of Pharmacy, Cairo University, March 29, 2008, Cairo, Egypt, Poster Code AQC-11.*
- 3) "GC-MS studies on side chain regioisomers related to substituted methylenedioxy-phenethylamines; MDEA, MDMMA and MBDB". Tamer Awad, **Hadir M. Maher**, Tarek Belal, Jack DeRuiter, C. Randall Clark. *Pittcon Conference, March 8-13, 2009, Chicago, Illinois, USA*
- 4) "GC-MS and GC-IRD studies on the ring isomers of N-Methyl-2-Methoxyphenyl-3-Butanamines (MPBA) related to 3,4-MDMA". Tamer Awad, **Hadir M. Maher**, Jack DeRuiter, C. Randall Clark. *237th American Chemical Society National Meeting & Exposition, March 22-26, 2009 Salt Lake City, UT, USA*
- 5) "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, Magda A. Barary. *The 16th International Scientific Conference, November 13-15, 2009, Beirut Arab University, Beirut, Lebanon, through oral presentation MNP 1.3*
- 6) "GC-MS and GC-IRD studies on dimethoxyphenethylamines (DMPEA): regioisomers related to 2,5-DMPEA". **Hadir M. Maher**, Tamer Awad, Jack DeRuiter, C. Randall Clark. *Pittcon Conference, February 28- March 5, 2010, Orlando, Florida, USA.*

7) "Electrochemical study of spiramycin and its determination in pharmaceutical preparations".

Rasha M. Youssef, **Hadir M. Maher**, *Biovision, Biblioteka Alexandrina, April 13-16, 2010, Alexandria, Egypt.*

8) "Enhanced spectrophotometric determination of two antihypertensive mixtures containing ezetimibe in pharmaceutical preparations". **Hadir M. Maher**, Rasha M. Youssef, Ekram M. Hassan, Eman I. El-Kimary, Magda A. Barary. *The first international conference held in Beirut, entitled "Recent Advances in Pharmaceutical Research and Technology", May 6-7, 2010, Beirut Arab University, Beirut, Lebanon, through oral presentation.*

9) "Non-parametric linear regression of discrete Fourier transform convoluted chromatographic peak responses under non-ideal conditions of internal standard method". Mohamed A. Korany, **Hadir M. Maher**, Shereen M. Galal, Ossama T. Fahmy, Marwa A.A. Ragab, *the first international conference held in Beirut, entitled "Recent Advances In Pharmaceutical Research and Technology", May 6-7, 2010, Beirut Arab University, Beirut, Lebanon, through poster presentation.*

---King Saud University---

10) "Development of validated stability-indicating chromatographic method for the determination of fexofenadine hydrochloride and its related impurities in pharmaceutical tablets."

Hadir M. Maher, Maha A. Sultan, Ileana V. Olah, the Scientific Committee of the "*The Fourth International Chemistry Conference*", November 19-21, 2011 (23-25/12/1432 H), Riyadh, Saudi Arabia.

11) "A validated reverse phase LC Method for the simultaneous estimation of Fexofanadine HCl and Pseudoephedrine HCl in pharmaceutical dosage form using a monolithic silica column".

Nora Z. Alzoman, Mohamed Hefnawy, Maha A. Sultan, **Hadir M. Maher**, Mona M. Alshehree, Ileana V. Olah. "*4th International Conference on Drug Discovery and Therapy*" (4th ICDDT 2012), February 12-15, 2012, Dubai, UAE.

12) "Validated stability indicating capillary electrophoresis method for the separation and determination of fixed dose combination of carvedilol and hydrochlorothiazide in tablets". Nora Z.

Alzoman, Maha A. Sultan, **Hadir M. Maher**, Mona M. Alshehree, Ileana V. Olah. *Pittcon Conference, March 11-15, 2012, Orlando, Florida, USA.*

- 13) "Simultaneous determination of a polypill combination containing lisinopril, hydrochlorothiazide, aspirin and atorvastatin using capillary electrophoresis with diode array detector ". Nora Z. Alzoman, Maha A. Sultan, **Hadir M. Maher**, Mona M. Alshehree, Ileana V. Olah. *Separation Science Asia 2012, New Horizons in Separation and Detection Techniques, June 27-28, 2012, Kuala Lumpur, Malaysia.*
- 14) "Current analysis of multicomponent antimigraine formulations containing caffeine, ergotamine, paracetamol and domperidone or metoclopramide by capillary electrophoresis". Maha A. Sultan, **Hadir M. Maher**, Nora Z. Alzoman, Mona M. Alshehree, Mohamed S. Rizk , Mona S. Elshahed , Ileana V. Olah. *6th International symposium on the separation and characterization of natural and synthetic macromolecules, February 6-8, 2013, Dresden, Germany.*
- 15) "Microemulsion electrokinetic chromatography with polarity switching stacking mode for the determination of dexamethasone and dexamethasone sodium phosphate: application to pharmacokinetic studies in rabbit plasma". **Hadir M. Maher**, Nourah Z. Alzoman, Mona M. Alshehri, Haya Al-Johar, Maha A. Sultan. *Pittcon Conference, March 8-12 March, 2015, New Orleans, LA, USA.*
- 16) "Simultaneous determination of methotrexate and aspirin using Fourier transform convolution emission data under non-parametric linear regression method". Marwa A.A. Ragab, **Hadir M. Maher**, Eman I. El-Kimary. *XII international conference on pharmacy and pharmaceutical sciences, January 30-31, 2015, Dubai, UAE.*
- 17) "Determination of Luteolin and Apigenin in Herbs by Capillary Electrophoresis with Diode Array Detection) **Hadir M. Maher**, Nourah Z. Al-Zoman , Mona M. Al-Shehri , Hessa Al-Showiman , Areej M. Al-Taweel, Ghada A. Fawzy, Shagufta Perveen. *Third Annual Conference on Chemistry & Physics, July 20-23, 2015, Athens, Greece.*
- 18) "Isolation of flavonoids from *Delonix elata* and determination of its rutin content using capillary electrophoresis" Areej M. Al-Taweel, Maged Saad Abdel-Kader, Ghada A. Fawzy, Shagufta Perveen, **Hadir M. Maher**, Nourah Z. Al-Zoman , Mona M. Al-Shehri , Haya Al-Johar, Iman Issa. *The Phytochemical Society of North America", August 8-12, 2015, University of Illinois at Urbana-Champaign, Illinois, USA.*

B. Publications

- 1) (Study of stability of methotrexate in acidic solution, Spectrofluorimetric determination of methotrexate in pharmaceutical preparations through acid-catalyzed degradation reaction), Suzy M. Sabry, M. Abdel-Hady, M. Elsayed, Ossama T. Fahmy, **Hadir M. Maher**, *Journal of Pharmaceutical and Biomedical Analysis*, 32 (2003) 409-423.
- 2) (High performance liquid chromatographic determination of some co-administered anticancer drugs in pharmaceutical preparations and spiked human plasma), Ossama T. Fahmy, Mohamed A. Korany, **Hadir M. Maher**, *Journal of Pharmaceutical and Biomedical Analysis*, 34 (2004) 1099-1107.
- 3) (Spectrophotometric determination of doxorubicin hydrochloride in vials and in presence of its acid-induced degradation products), Mohamed A. Korany, Ossama T. Fahmy, **Hadir M. Maher**, *Bulletin Faculty of Pharmacy*, 42 (2004) 385-396.
- 4) (Non-parametric linear regression of discrete Fourier transform convoluted chromatographic peak responses in non-ideal conditions), Mohamed A. Korany, Ossama T. Fahmy, Hoda Mahgoub, **Hadir M. Maher**, *Talanta*, 66 (2005) 1073-1087.
- 5) (A new hybrid double divisor ratio spectra method for the analysis of ternary mixtures), Rasha M. Youssef, **Hadir M. Maher**, *Spectrochimica Acta Part A*, 70 (2008) 1152–1166.
- 6) (Simultaneous determination of naproxen and diflunisal using synchronous luminescence spectrometry), **Hadir M. Maher**, *Journal of Fluorescence*, 18 (2008) 909–917.
- 7) (Simultaneous determination of ternary drug mixtures using square wave polarography subjected to non-parametric and chemometric peak convolution), **Hadir M. Maher**, Rasha M. Youssef, *Chemometrics and Intelligent Laboratory Systems*, 94 (2008) 95–103.
- 8) (Simultaneous multiresidue determination of metronidazole and spiramycin in fish muscle using high performance liquid chromatography with UV detection), **Hadir M. Maher**, Rasha M. Youssef, Riad H. Khalil, Sabry M. El-Bahr, *Journal of Chromatography B*, 876 (2008) 175-181.

- 9) (Development of validated chromatographic methods for the simultaneous determination of metronidazole and spiramycin in tablets), **Hadir M. Maher**, Rasha M. Youssef, *Chromatographia*, 69 (2009) 345–350.
- 10) (Differentiation of the regioisomeric 2-,3-, and 4-trifluoromethylphenylpiperazines (TFMPP) by GC-IRD and GC-MS), **Hadir M. Maher**, Tamer Awad, C. Randall Clark, *Forensic Science International*, 188 (2009) 31-39.
- 11) (GC–MS and GC–IRD studies on dimethoxyamphetamines (DMA): regioisomers related to 2,5-DMA), **Hadir M. Maher**, Tamer Awad, Jack DeRuiter, C. Randall Clark, *Forensic Science International*, 192 (2009) 115-125.
- 12) (Electronic nose technology for the accurate detection of estrus by monitoring changes in perineal odors in dairy cows), Ehab I. Mohamed, **Hadir M. Maher**, Asmaa M. Shaban, Fekry M. Hussein, *Journal of Biophysics and Biomedical Sciences*, 2 (1) (2009): 128-133
- 13) (GC–IRD methods for the identification of some tertiary amines related to MDMA), **Hadir M. Maher**, Tamer Awad, Jack DeRuiter, C. Randall Clark, *Forensic Science International*, 199 (2010) 18-28.
- 14) (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, Magda A. Barary, *International Journal of Applied Chemistry*, 6 (2) (2010) 233–246.
- 15) (Electrochemical study of spiramycin and its determination in pharmaceutical preparation), Rasha M. Youssef, **Hadir M. Maher**, *Drug Testing and Analysis*, 2 (2010) 392-396.
- 16) (GC-MS studies on side chain regioisomers related to substituted methylenedioxy-phenethylamines; MDEA, MDMMA and MBDB), Tamer Awad, Tarek Belal, **Hadir M. Maher**, Jack DeRuiter, C. Randall Clark, *Journal of Chromatographic Science*, 48 (2010) 726-732.

- 17) (Non-parametric linear regression of discrete Fourier transform convoluted chromatographic peak responses under non-ideal conditions of internal standard method), Mohamed A. Korany, **Hadir M. Maher**, Shereen M. Galal, Ossama T. Fahmy, Marwa A.A. Ragab, *Talanta*, 83 (2010) 93-109.
- 18) (GC-MS and GC-IRD studies on the ring isomers of N-Methyl-2-Methoxyphenyl-3-Butanamines (MPBA) related to 3, 4-MDMA), Tamer Awad, **Hadir M. Maher**, Jack DeRuiter, C. Randall Clark, *Journal of Chromatographic Science*, 49 (2011) 345-352.
- 19) (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, Magda A. Barary, *Drug Testing and Analysis*, 3 (2011) 97-105.
- 20) (High performance liquid chromatographic determination of some guaiphenesin-containing cough-cold preparations), Mohamed A. Korany, Ossama T. Fahmy, Hoda Mahgoub, **Hadir M. Maher**, *Journal of Advanced Research*, 2 (2011) 121-130.
- 21) (Application of artificial neural networks for response surface modeling in HPLC method development), Mohamed A. Korany, Hoda Mahgoub, Ossama T. Fahmy, **Hadir M. Maher**, *Journal of Advanced Research*, 3 (2012) 53-63.
- 22) (GC-MS and GC-IRD studies on dimethoxyphenethylamines (DMPEA): Regioisomers related to 2, 5-DMPEA), **Hadir M. Maher**, Tamer Awad, Jack DeRuiter, C. Randall Clark, *Journal of Chromatographic Science*, 50 (2012) 1-9.
- 23) (Studies on the formation of N-methylperfluoroalkylnitrile cations from perfluoroacylphenethylamines in electron ionization mass spectrometry: unique marker ion fragments in methamphetamine analysis), Tamer Awad, **Hadir M. Maher**, Jack DeRuiter, C. Randall Clark, *European Journal of Mass Spectrometry*, 18 (2012) 287-299.
- 24) (GC-MS and GC-IRD studies on brominated dimethoxyamphetamines: regioisomers related to 4-Br-2,5-DMA (DOB)), **Hadir M. Maher**, Tamer Awad, Jack DeRuiter, C. Randall Clark, *Drug Testing and Analysis*, 4 (2012) 591-600.

25) (Development and optimization of capillary zone electrophoresis technique for simultaneous determination of miconazole nitrate and hydrocortisone acetate in a cream pharmaceutical formulation), Mohamed A. Korany, **Hadir M. Maher**, Shereen M. Galal, Marwa A.A. Ragab, *Journal AOAC International*, 96 (6) (2013) 1295 -1301.

26) (Comparative study of some robust statistical methods: weighted, parametric, and nonparametric linear regression of HPLC convoluted peak responses using internal standard method in drug bioavailability studies), Mohamed A. Korany, **Hadir M. Maher**, Shereen M. Galal, Marwa A.A. Ragab, *Analytical and Bioanalytical Chemistry*, 405 (2013) 4835-4848.

--- King Saud University---

27) (Development of validated stability-indicating chromatographic method for the determination of fexofenadine hydrochloride and its related impurities in pharmaceutical tablets), **Hadir M. Maher**, Maha A. Sultan, Ileana V. Olah, *Chemistry Central Journal*, 5 (2011) 76-86.

28) (A validated reverse phase LC Method for the simultaneous estimation of fexofanadine hcl and pseudoephedrine HCl in pharmaceutical dosage form using a monolithic silica column), Nourah Z. Alzoman, Mohamed Hefnawy, Maha A. Sultan, **Hadir M. Maher**, Mona M. Alshehri, Ileana V. Olah, *Asian Journal of Chemistry*, 24 (11) (2012) 5073-5078.

29) (HPLC-DAD stability indicating determination of the fixed-dose combination of nifuroxazide and drotaverine hydrochloride in capsules), **Hadir M. Maher**, Tarek S. Belal, *Journal of Liquid Chromatography & Related Technologies*, 35 (2012) 2001–2020.

30) (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.

31) (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 A. Barary, *Journal of AOAC international*, 96 (2) (2013) 313-323.

- 32) (Validated stability-indicating capillary electrophoresis method for the separation and determination of fixed-dose combination of carvedilol and hydrochlorothiazide in tablets), Nourah Z. Alzoman, Maha A. Sultan, **Hadir M. Maher**, Mona M. Alshehri, Ileana V. Olah. *Journal of AOAC international*, 96 (5) (2013) 951-959.
- 33) (Capillary electrophoretic determination of antimigraine formulations containing caffeine, ergotamine, paracetamol and dompridone or metoclopramide), Maha A. Sultan, **Hadir M. Maher**, Nora Z. Alzoman, Mona M. Alshehri, Mohamed S. Rizk , Mona S. Elshahed , Ileana V. Olah, *Journal of Chromatographic Sciences*, 51 (6) (2013) 502-510.
- 34) (Artificial neural network modeling of the electrophoretic mobility of dexamethasone and two additives in micellar electrokinetic capillary chromatography), **Hadir M. Maher**, Nourah Z. Alzoman, Mona M. Alshehri, Haya Aljohar , Ileana V. Olah, Maha A. Sultan, *Analytical Methods*, 5 (8) (2013) 1983–1990.
- 35) (Micellar electrokinetic capillary chromatographic determination of a polypill combination containing, lisinopril ,hydrochlorothiazide, aspirin, and atorvastatin), Nourah Z. Alzoman, Mona M. Alshehri, Maha A. Sultan, **Hadir M. Maher**, Ileana V Olah, Ibrahim A. Darwish, *Analytical Methods*, 5 (5) (2013) 1238-1244.
- 36) (Stability-indicating capillary electrophoresis method with photodiode array detector for determination of lenalidomide in pharmaceutical preparation), Mona M. Alshehri, **Hadir M. Maher**, Nourah Z. Alzoman , Maha A. Sultan, Ibrahim A. Darwish, *Digest journal of nanomaterials and biostructures*, 8 (2) (2013) 855-867.
- 37) (Analytical study for the charge-transfer complexes of rosuvastatin calcium with π -acceptors), Nourah Z. Alzoman, Maha A. Sultan, **Hadir M. Maher**, Mona M. Alshehri, Tanveer A. Wani, Ibrahim A. Darwish, *Molecules*, 18 (2013) 7711-7725.
- 38) (Development and validation of a stability-indicating HPLC-DAD method with ANN optimization for the determination of diflunisal and naproxen in pharmaceutical tablets), **Hadir M. Maher**, *Journal of Liquid Chromatography & Related Technologies*, 37 (5) (2014) 634-652.

- 39) (Determination of cinacalcet hydrochloride by capillary electrophoresis with photodiode array detection), Mona M. Alshehri, Ibrahim A. Darwish, Maha A. Sultan, **Hadir M. Maher**, Nourah Z. Alzoman, *Instrumentation Science & Technology*, 42 (1) (2014) 27-37.
- 40) (New 96-microwell-based spectrophotometric assay with high-throughput for determination of lenalidomide in capsules: the new potent drug for treatment of multiple myeloma), Nourah Z. Alzoman, Maha A. Sultan, **Hadir M. Maher**, Mona M. Alshehri, Manal A. El-Gendy, Tanveer A. Wani, Ibrahim A. Darwish, *Latin American Journal of Pharmacy*, 33 (1) (2014) 56-64.
- 41) (Recent advances in applications of capillary electrophoresis with Fourier transform convolution: application to kinetic study of hydrolysis of hydrochlorothiazide), **Hadir M. Maher**, *Biomedical Chromatography*, 28 (2014) 573–582.
- 42) (Development of novel microwell-plate spectrophotometric assay for determination of varenicline via its reaction with cyclohexa-3,5-diene-1,2-dione), Mona M. Alshehri, Ibrahim A. Darwish, Mohamed G. Kassem, **Hadir M. Maher**, Nourah Z. Alzoman, *Digest Journal of Nanomaterials and Biostructures*, 9 (2) (2014) 641 - 651.
- 43) (Development of new 96-microwell-based spectrophotometric assay with high-throughput and its application in pharmaceutical quality control of varenicline), Nourah Z. Alzoman, **Hadir M. Maher**, Mona M. Alshehri, Tanveer A. Wani, Ibrahim A. Darwish, *World Applied Sciences Journal* 31 (1) (2014) 104 – 112.
- 44) (Novel stereoselective high-performance liquid chromatographic method for simultaneous determination of guaifenesin and ketorolac enantiomers in human plasma), **Hadir M. Maher**, Shorog M. Al-Taweel, Mona M. Alshehri, Nourah Z. Alzoman, *Chirality*, 26 (2014) 629–639.
- 45) (Derivative emission spectrofluorimetry for the simultaneous determination of guaifenesin and phenylephrine hydrochloride in pharmaceutical tablets), **Hadir M. Maher**, Mona M. Alshehri, Shorog M. Al-taweel, *Luminescence*, 30 (2015) 330-336.
- 46) (Microemulsion electrokinetic chromatography with polarity switching stacking mode for the determination of dexamethasone and dexamethasone sodium phosphate: application to pharmacokinetic studies in rabbit plasma), **Hadir M. Maher**, Nourah Z. Alzoman, Mona M. Alshehri, Haya I. Aljohar, Maha A. Sultan, *Analytical Methods (UK)*, 7 (2015) 3260-3267.

- 47) (Determination of luteolin and apigenin in herbs by capillary electrophoresis with diode array detection), **Hadir M. Maher**, Nourah Z. Al-Zoman , Mona M. Al-Shehri , Hessa Al-Showiman , Areej M. Al-Taweel, Ghada A. Fawzy, Shagufta Perveen, *Instrumentation Science & Technology*, 43 (2015) 611-625.
- 48) (Chemometrics-assisted spectrofluorimetric determination of two co-administered drugs of major interaction, methotrexate and aspirin, in human urine following acid-induced hydrolysis), **Hadir M. Maher**, Marwa A.A. Ragab, Eman I. El-Kimary, *Combinatorial Chemistry & High Throughput Screening*, 18 (2015) 723-734.
- 49) (Isolation of flavonoids from *Delonix elata* and determination of its rutin content using capillary electrophoresis), Areej M. Al-Taweel, Maged S. Abdel-Kader, Ghada A. Fawzy, Shagufta Perveen, **Hadir M. Maher**, Nourah Z. Al-Zoman , Mona M. Al-Shehri , Haya Al-Johar, Hessa Al-Showiman , *Pakistan Journal of Pharmaceutical Sciences*, 28 (5) (2015) 1897-1903.
- 50) (Determination of methyl gallate in *Bauhinia retusa* extract by high-performance liquid and thin layer chromatography), Nourah Z. Al-Zoman , **Hadir M. Maher**, Mona M. Al-Shehri , Haya Al-Johar, Areej M. Al-Taweel, Ghada A. Fawzy, Shagufta Perveen, Azza M. El-Shafae, , Iman Issa , accepted for publication to *Instrumentation Science & Technology* (2015).
- 51) (Simultaneous determination of dexamethasone and lenalidomide in rat plasma by solid phase extraction and ultra-performance liquid chromatography-tandem mass spectrometry: application to pharmacokinetic studies), **Hadir M. Maher**, Nourah Z. Al-Zoman , Mona M. Al-Shehri , Haya I. Aljohar, Shereen Shehata, Manal Alossaimi, Norah O. Abanmy, *RSC Advances* 5 (2015) 98600-98609.
- 52) (ANN optimization in chromatographic analysis), **Hadir M. Maher**, *Journal of Chromatography & Separation Techniques*, 3 (8) (2012), letter to editor, <http://dx.doi.org/10.4172/2157-7064.1000e112>
- 53) (Stacking as sample on-line pre-concentration technique in microemulsion electrokinetic chromatography) **Hadir M. Maher**, *Journal of Chromatography & Separation Techniques*, 6 (3) (2015), letter to editor, <http://dx.doi.org/10.4172/2157-7064.1000e130>

- 54) (Simultaneous determination of selected tyrosine kinase inhibitors with corticosteroids and antiemetics in rat plasma by solid phase extraction and ultra-performance liquid chromatography–tandem mass spectrometry: Application to pharmacokinetic interaction studies) **Hadir M. Maher**, Nourah Z. Alzoman, Shereen M. Shehata, *Journal of Pharmaceutical and Biomedical Analysis* 124 (2016) 216–227
- 55) (An eco-friendly direct spectrofluorimetric method for the determination of irreversible tyrosine kinase inhibitors, neratinib and pelitinib: application to stability studies, **Hadir M. Maher**, Nourah Z. Alzoman, Shereen M. Shehata, accepted for publication in *Luminescence*.