



Ahmed Mostafa

Associate Professor

Personal Data

Nationality | Canadian

Date of Birth | November 17, 1978

Department | Pharmaceutical Chemistry, College of Clinical Pharmacy

Official IAU Email | ammostafa@iau.edu.sa

Office Phone No. | 35549

Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2012	PhD (Analytical Chemistry)	Canada	University of Waterloo
2005	Master of Pharmaceutical Sciences (Analytical Chemistry)	Egypt	Faculty of Pharmacy, Suez Canal University
2000	BSc. of Pharmaceutical Sciences	Egypt	Faculty of Pharmacy, Suez Canal University

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Advances in multidimensional chromatography
Master	Spectrophotometric and chromatographic analysis of some important basic nitrogenous compounds in pharmaceutical preparations



Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Associate Professor	College of Clinical Pharmacy, Imam Abdulrahman University	10/2020 - present
Assistant Professor	College of Clinical Pharmacy, Imam Abdulrahman University	4/2014 – 10/2020
Postdoctoral Research Fellow	Ryerson University, Ontario, Canada	9/2013 – 4/2014
Postdoctoral Research Fellow	Ontario Ministry of the Environment, Toronto, Ontario, Canada	9/2013 – 4/2014
Adjunct Research Associate (Prof. T. Górecki group)	University of Waterloo, Waterloo, Ontario, Canada.	8/2012 – 9/2013
Teaching & Research Assistant	University of Waterloo, Waterloo, Ontario, Canada.	5/2008 – 8/2012
Instructor of Analytical Chemistry	Suez Canal University, Faculty of Pharmacy, Ismailia, Egypt	8/2000 – 10/2002

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Vice Deanship for Quality, Development and Community Services Coordinator	College of Clinical Pharmacy, Imam Abdulrahman University	7/2014 - present
Head of Professional Development Unit	College of Clinical Pharmacy, Imam Abdulrahman University	6/2019 - Present
Head of Quality and Development Committee	College of Clinical Pharmacy, Imam Abdulrahman University	9/2015 - Present
Head of Teaching and Learning Unit	College of Clinical Pharmacy, Imam Abdulrahman University	6/2014 – 1/2018

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Reem K. Aldakheel, Suriya Rehman, Munirah A. Almessiere, Firdos A. Khan, Mohammed A.	Bactericidal and In Vitro Cytotoxicity of Moringa oleifera Seed Extract and	Pharmaceuticals, 2020



	Gondal, Ahmed Mostafa and Abdulhadi Baykal	Its Elemental Analysis Using Laser-Induced Breakdown Spectroscopy	
2	Ahmed Mostafa	Spectrophotometric and multivariate calibration techniques for simultaneous determination of different drugs in pharmaceutical formulations and human urine: evaluation of greenness profile	Journal of Analytical Methods in Chemistry, 2020
3	Heba Shaaban, Ahmed Mostafa , Bushra Al-Zahrani, Bushra Al-Jasser and Raghad Al-Ghamdi	Simultaneous Determination of Drugs Affecting Central Nervous System (CNS) in Bulk and Pharmaceutical Formulations using Multivariate Curve Resolution Alternating Least Squares (MCR-ALS)	Journal of Analytical Methods in Chemistry, 2020
4	Heba Shaaban, Ahmed Mostafa , Zahra Almatar, Reem Alsheef, Safia Alrubh	Simultaneous Determination of Over-the-Counter Pain Relievers in Commercial Pharmaceutical Products Utilizing Multivariate Curve Resolution-Alternating Least Squares (MCR-ALS) Multivariate Calibration Model	Journal of Analytical Methods in Chemistry, 2019
5	Ahmed Mostafa , Heba Shaaban	Quantitative analysis and resolution of pharmaceuticals in the environment using multivariate curve resolution-alternating least squares (MCR-ALS),	Acta Pharmaceutica, 2019
6	Ahmed Mostafa , Heba Shaaban	Development and validation of a dispersive liquid-liquid microextraction method for the determination of phthalate esters in perfumes using gas chromatography – mass spectrometry	RSC Advances, 2018
7	Ahmed Mostafa , Heba Shaaban, Khaled Alasmry, Abdulaziz Alshammari, Rashid Alsuwaigh, Omer Aga	Development and validation of SPE-LC-MS method for simultaneous determination of selected pharmaceuticals in hospital wastewater	Journal of Analytical & Pharmaceutical Research, 2018
8	Ahmed Mostafa , Heba Shaaban, Mishal Al Mousa, Mishal Al Sheqawi, Montadher Al Mousa	Eco-friendly pharmaceutical analysis of multicomponent drugs co-formulated in different dosage forms using multivariate curve resolution and partial least squares: A comparative study	International journal of AOAC, 2018



9	Heba Shaaban, Ahmed Mostafa , Wejdan Alhajri, Laila Almubarak, Khawlah AlKhalifah	Development and validation of an eco-friendly SPE-HPLC-MS method for simultaneous determination of selected parabens and bisphenol A in personal care products: Evaluation of the greenness profile of the developed method	Journal of Liquid Chromatography & Related Technologies, 2018
10	Heba Shaaban, Ahmed Mostafa	Sustainable eco-friendly ultra-high performance liquid chromatographic method for simultaneous determination of caffeine and theobromine in commercial teas: Evaluation of greenness profile using NEMI and Eco-scale assessment tools	International journal of AOAC, 2018
11	Heba Shaaban, Hajer Alghamdi, Nada Alhamed, Anhar Alzaydi and Ahmed Mostafa	Environmental contamination by pharmaceutical waste: Assessing patterns of disposing unwanted medications and investigating the factors influencing personal disposal choices	Journal of pharmacology and pharmaceutical research, 2018
12	Niyaz Ahmad, Rizwan Ahmad, Abdullah Al-layly, Hassan Al-shawi, Ahmed Al-ali, Mohd Amir, Ahmed Mostafa	Ultra-High-Performance Liquid Chromatography-Based Identification and Quantification of Thymoquinone in Nigella sativa Extract from Different Geographical Regions	<i>Pharmacognosy Magazine</i> , 57 (14), 2018
13	Ahmed Mostafa , Alaa El-Gindy, Samy Emara	Simultaneous spectrophotometric estimation of bisoprolol fumarate and hydrochlorothiazide in tablet formulation using partial least-squares, principal component regression multivariate calibrations and RP-HPLC methods	<i>Journal of Analytical & Pharmaceutical Research</i> , 4(6): 00124, 2017
14	Heba Shaaban, Ahmed Mostafa , Tadeusz Górecki	Green gas and liquid capillary chromatography" in Francisco Pena-Pereira and Marek Tobiszewski (ed.), "The Application of Green Solvents in Separation Processes"	Elsevier, 2017, pp.453-482
15	Ahmed Mostafa , Tadeusz Górecki	Development and characterization of a single-stage cryogenic modulator for comprehensive two-dimensional gas chromatography	Analytical Chemistry, 88, 5414-5423, 2016
16	Ahmed Mostafa , Heba Shaaban, Tadeusz Górecki	"Multidimensional liquid chromatography applied to analysis	CRC Press Taylor and Francis, 2015, p. 393-410.



		of pesticides" in J. Sharma and T. Tuzimski (ed.), "High-Performance Liquid Chromatographic Methods of Pesticide Residues Analysis"	
17	Win Winit-Watjana, Mohamed A. Baraka, Ahmed Mostafa , Raniah A. Aljaizani	Assessment of motivation, learning styles and programme selections of Saudi pharmacy and nonpharmacy candidates during the preparatory year	Pharmacy Education, 15 (1) 281 - 289, 2015
18	Ahmed Mostafa , Tadeusz Górecki	Sensitivity of comprehensive two-dimensional gas chromatography (GC×GC) versus one dimensional gas chromatography (1D-GC)	LCGC Europe, 26, 672-679, 2013
19	Tomasz Dymerski, Tomasz Chmiel, Ahmed Mostafa , Magdalena Śliwińska1, Paulina Wiśniewska, Waldemar Wardencki, Jacek Namieśnik, Tadeusz Górecki	Botanical and Geographical Origin Characterization of Polish Honeys by Headspace SPME-GC×GC-TOFMS	Current Organic Chemistry, 17, 853-870, 2013
20	Ahmed Mostafa , Matthew Edwards, Tadeusz Górecki	Optimization aspects of comprehensive two-dimensional gas chromatography	Journal of Chromatography A, 1255: 38-55, 2012
21	Jochen Vestner, Sulette Malherbe, Maret du Toit, Hélène H. Nieuwoudt, Ahmed Mostafa , Tadeusz Górecki, Andreas G.J. Tredoux, André de Villiers	Investigation of volatile composition Pinotage wines fermented with different malolactic starter cultures using comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry (GC×GC-TOF-MS)	Journal of Agricultural and Food Chemistry, 59 (24):12732-44, 2011
22	Ahmed Mostafa , Alaa El-Gindy, Samy Emara	Development, application and validation of RP-HPLC method for the simultaneous determination of butamirate citrate and its main degradation product in pharmaceutical dosage forms	Analytical Methods, 3 (7), 1643 – 1651, 2011
23	Ahmed Mostafa , Tadeusz Górecki, Peter Tranchida, Luigi Mondello	"History and evolution of comprehensive two-dimensional gas chromatography" in: L. Mondello (ed.), "Comprehensive Chromatography in Combination with Mass Spectrometry"	Wiley Interscience Series on Mass Spectrometry, Hoboken (NJ), 2011, p. 93-115.
24	Matthew Edwards, Ahmed Mostafa , Tadeusz Górecki	Modulation in comprehensive two-dimensional gas chromatography: 20 years of innovation	Analytical and Bioanalytical Chemistry, 401(8): 2335 – 2349, 2011



25	Berhane T. Weldegeris, André de Villiers, Christopher McNeish, Suresh Seethapathy, Ahmed Mostafa , Tadeusz Górecki, Andrew M. Crouch	Comprehensive chromatography of volatile components of Pinotage wines using comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry (GC×GC-TOFMS)	Food Chemistry, 129, 188 – 199, 2011
26	Alaa El-Gindy, Samy Emara, Ahmed Mostafa	UV PLS calibration and LC methods for direct quantitation of levofloxacin in urine	Journal of AOAC International, 90, 5, 1258 – 1265, 2007
27	Alaa El-Gindy, Samy Emara, Ahmed Mostafa	Application and validation of chemometrics- assisted spectrophotometry and liquid chromatography for the simultaneous determination of six component pharmaceuticals	Journal of Pharmaceutical and Biomedical Analysis, 41, 421-430, 2006
28	Alaa El-Gindy, Samy Emara, Ahmed Mostafa	HPLC and chemometric- assisted spectrophotometric methods for simultaneous determination of atenolol, amiloride hydrochloride and chlorthalidone	IL Farmaco, 60, 269-278, 2005
29	Alaa El-Gindy, Samy Emara, Ahmed Mostafa	Spectrophotometric and LC determination of two binary mixtures containing antihistamines	IL Farmaco, 59, 713-722, 2004
30	Alaa El-Gindy, Fawzy El-Yazby, Ahmed Mostafa , Moustafa M. Maher	HPLC and chemometric methods for the simultaneous determination of cyproheptadine hydrochloride, multivitamins and sorbic acid	Journal of Pharmaceutical and Biomedical Analysis, 35, 703-713, 2004

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Eman Almousa , Heba Shaaban, Ahmed Mostafa , Zahra Almaa and Heba Abu Kabbs	Exposure to endocrine disruptors among Saudi female population: assessment of urinary levels of bisphenol A and triclosan	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020
2	Zainab Aldarwish, Heba Shaaban, Ahmed Mostafa , Zainab Sharroufna,	Determination of pharmaceutical residues in fish using UHPLC-MS/MS	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020



	and Mariam Abu Al-Ruha		
3	Layali Alalwan, Heba Shaaban, Ahmed Mostafa , Mohsina Bano Skaikh and Arwa Alghamdi	Assessment of knowledge and perception of risks associated with exposure to heavy metals among Saudi population	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020
4	Zahra Almatar, Heba Shaaban, Ahmed Mostafa , Reem Alsheef and Safia Alrubh	Determination of over-the-counter pain relievers in commercial pharmaceutical products: A green approach for quality control	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020
5	Bushra Al-Jasser, Bushra Al-Zahrani, Raghad Al-Ghamdi Ahmed Mostafa , Heba Shaaban	Eco-friendly spectrophotometric methods for simultaneous determination of drugs affecting central nervous system in pharmaceutical dosage forms	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020
6	Ahoud Alotaibi, Sarah Almakki, Ahmed Mostafa , Heba Shaaban	A green approach for the spectrophotometric quantification of fluoroquinolones in pharmaceutical and veterinary formulations	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020
7	Sara Refai, Ahmed Mostafa , Heba Shaaban	Graphical spectrophotometric and multivariate calibration techniques for simultaneous determination of atenolol, naproxen, dexamethasone and levofloxacin in pharmaceutical formulations and human urine	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020
8	Raneem Alansari, Ahlam Alrashedy, Fatima Alsultan, Ahmed Mostafa , Heba Shaaban	Development and validation of liquid chromatography -tandem mass spectrometry (LC-MS/MS) method for determination of multiclass pharmaceutical residues in wastewater	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020 1st place Best Oral Presentation. Award to student: Raneem Alansari, A. Alrashedy, F. Alsultan
9	Fatima Alsultan, Ahlam Alrasheedy and Raneem Alansari,	Development and validation of liquid chromatography-tandem mass spectrometry (LC-MS/MS) method for determination of	1 st Pharmacy and Toxicology Conference (KSAPT), Khobar, Saudi Arabia, April 4, 2019



	Ahmed Mostafa , Heba Shaaban	multiclass pharmaceutical residues in wastewater	1st place Best Poster Presentation. Award to student: Fatima Alsultan, A. Alrashedy, R. Alansari
10	Anhar Alziadi, Nada Alhamad, Heba Shaaban, Hajer Alghamdi, Ahmed Mostafa	Environmental contamination by pharmaceutical waste: Assessing patterns of disposing unwanted medications and investigating the factors influencing personal disposing choices	1 st Pharmacy and Toxicology Conference (KSAPT), Khobar, Saudi Arabia, April 4, 2019 3rd place Best Poster Presentation. Award to student: Anhar Alziadi, Nada Alhamad
11	Bushra AlZahrani, Bushra AlJasser, Raghad AlGhamdi, Ahmed Mostafa , Heba Shaaban	Chemometrics-assisted spectrophotometric methods for simultaneous determination of drugs affecting central nervous system in pharmaceutical formulations	International Pharmaceuticals & Technologies Conference & Exhibition, Dubai, UAE. (DUPHAT), 2019 10th place Best Poster Presentation. Award to student: B. Alzahrani, B. Aljasser, R. Alghamdi
12	Raneem AlAnsari, Ahlam AlRashedy, Fatima AlSultan, Ahmed Mostafa , Heba Shaaban	Development and validation of fast UHPLC-MS/MS method for simultaneous determination of pharmaceuticals in wastewater: Investigation of the efficiency of wastewater treatment plants in Eastern Province, Saudi Arabia	(DUPHAT), Dubai International Pharmaceuticals & Technologies Conference & Exhibition, Dubai, UAE, 2019
13	Wejdan Alhajri, Khawlah AlKhalifah, Lyla Almubarak, Heba Shaaban, Ahmed Mostafa	Determination of parabens and bisphenl A in skin care and hair care products marketed in Saudi Arabia using solid phase extraction coupled to high performance liquid chromatography mass spectrometry (SPE-HPLC-MS)	The annual meeting of APS (SIPHA), Jeddah, Saudi Arabia, 2019
14	Khawlah AlKhalifah, Lyla Almubarak, Heba Shaaban, Ahmed Mostafa , Wejdan Alhajri	Determination of endocrine disruptors in skin care and hair care products marketed in Saudi Arabia using high performance liquid chromatography mass spectrometry.	Arab International Pharmacy Congress, Riyadh, Saudi Arabia 2018
15	Ghada Al-ghofari, Layla Saleh, Ahmed Mostafa , Heba Shaaban	In-home medication storage and disposal practices in Eastern province, Saudi Arabia.	Arab International Pharmacy Congress, Riyadh, Saudi Arabia 2018



			1st place Best Poster Presentation. Award to student: Ghada Alghofari
16	Heba Shaaban, Ahmed Mostafa , Wejdan Alhajri, Laila Almubarak, Khawlah AlKhalifah	Determination of parabens and bisphenol A in personal care products marketed in KSA using solid phase extraction coupled to high performance liquid chromatography	Saudi Food and Drug Authority Second Annual Conference (SFDA), Riyadh, Saudi Arabia 2018
17	Ahmed Mostafa , Heba Shaaban, Mishal Al Mousa, Mishal Al Sheqawi, Montadher Al Mousa	Eco-friendly pharmaceutical analysis of multicomponent drugs co-formulated in different dosage forms using chemometrics	Saudi Food and Drug Authority Second Annual Conference (SFDA), Riyadh, Saudi Arabia 2018
18	Anhar Alzayd, Heba Shaaban, Hajer Alghamdi, Nada Alhamed, Ahmed Mostafa	Environmental contamination by pharmaceutical waste: Assessing patterns of disposing unwanted medications in Saudi Arabia and investigating the factors influencing personal disposal choices	Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT), Dubai, UAE , 2018
19	Paul Yang, Ahmed Mostafa , Serei Thach, Chunyan Hao, David Morse	Qualitative and Quantitative Analysis of Environmental Contaminants of Emerging Concern – Development and Validation of an UHPLC-Orbitrap MS Method	CALA Catalyst Conference, June 2-4, 2014, Toronto, ON, Canada
20	Ahmed Mostafa , Paul Yang, Serei Thach, Lynda McCarthy, Dave Morse	Determination of Pharmaceuticals in Biosolids Using UHPLC- High Resolution Orbitrap Mass Spectrometry	CALA Catalyst Conference, June 2-4, 2014, Toronto, ON, Canada
21	Ahmed Mostafa , Paul Helm, Lynda McCarthy, Paul Yang, Dave Morse	Determination of Contaminants of Emerging Concern Using a POCIS Sampler and UHPLC-Orbitrap Mass Spectrometry	57 th International Association for Great Lakes Research (IAGLR) Conference, May 26-30, 2014, Hamilton, ON, Canada
22	Ahmed Mostafa , Paul Yang, Jonathan Beck, Maciej Bromirski, Dipankar Ghosh, Charles Yang, Lynda McCarthy	Qualitative and Quantitative Analysis of Contaminants of Emerging Concern in Biosolids Using Dilute-and-Shoot UHPLC- Orbitrap MS Method	62 nd ASMS Conference on Mass Spectrometry and Allied Topics, June 15-19, 2014, Baltimore, MD, USA
23	Ahmed Mostafa and Tadeusz Górecki	Single-stage cryogenic modulation in comprehensive two-dimensional gas chromatography	5 th Multi-Dimensional Chromatography Workshop, January 7 and 8, 2014, Ministry of Environment, Toronto, ON.



24	Tadeusz Górecki, Ahmed Mostafa , Matthew Edwards	Optimization aspects of comprehensive two dimensional gas chromatography	4 th Multi-Dimensional Chromatography Workshop, January 8 and 9, 2013, Ministry of Environment, Toronto, ON (invited lecture).
25	Ahmed Mostafa and Tadeusz Górecki	Simple and viable single-stage cryogenic modulator for comprehensive two-dimensional gas chromatography	36 th International Symposium on Capillary Chromatography and 9 th GCxGC Symposium, May 27-June 1, 2012, Riva del Garda, Italy.
26	A. De Villiers, T. Górecki, Ahmed Mostafa , J. Vestner	Application of comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry for the characterization of wine volatiles	36 th International Symposium on Capillary Chromatography and 9 th GCxGC Symposium, May 27-June 1, 2012, Riva del Garda, Italy
27	Tadeusz Górecki, Matthew Edwards, Ahmed Mostafa	Comprehensive two-dimensional gas chromatography 20 years later: opportunities and challenges	36 th International Symposium on Capillary Chromatography and 9 th GCxGC Symposium, May 27-June 1, 2012, Riva del Garda, Italy
28	Ahmed Mostafa and Tadeusz Górecki	A new single-stage cryogenic modulator for comprehensive two dimensional gas chromatography (GCxGC)	Graduate student research conference, 2012
29	Tadeusz Górecki, Matthew Edwards, Ahmed Mostafa	Comprehensive two-dimensional gas chromatography: 20 years later	29 th International Symposium on Chromatography, Sep. 9 – 13, 2012, Torun, Poland
30	Jochen Vestner, S. Malherbe, M. du Toit, H. Nieuwoudt, Ahmed Mostafa , Tadeusz Górecki, A. Tredoux, A. de Villiers	Comparative GCxGC-TOF-MS analysis of the volatile composition of Pinotage wines fermented with different malolactic fermentation (MLF) starter cultures	36 th International Symposium on Capillary Chromatography and 9 th GCxGC Symposium, May 27-June 1, 2012, Riva del Garda, Italy
31	Ahmed Mostafa , Pak Hin Law, Tadeusz Górecki	Comprehensive Two Dimensional Gas Chromatography (GCxGC) with a Single-Stage Cryogenic Modulator	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON), Orlando, FL, USA, Mar 11 - 15, 2012
32	Tadeusz Górecki, Matthew Edwards, Ahmed Mostafa	Effective and cost-efficient modulation in comprehensive two dimensional gas chromatography coupled to time-of-flight mass spectrometry (GCxGC-TofMS)	12 th International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers (HTC-12), Jan. 31 – Feb. 2, 2012, Brugge, Belgium (invited lecture)
33	Tadeusz Górecki, Matthew Edwards, Ahmed Mostafa	Advances in Thermal GCxGC Modulation: Towards Simpler (and Less Expensive) Future	11 th Asia-Pacific International Symposium on Microscale Separations and Analysis, 27 - 30



			November 2011, Hobart, Tasmania, Australia (invited lecture)
34	Ahmed Mostafa and Tadeusz Górecki	Development and design of a new single-stage cryogenic modulator for comprehensive two dimensional gas chromatography (GC×GC)	Canadian Society for Chemistry (CSC), 94 th Canadian chemistry conference and exhibition, Montreal, Quebec, Canada, June 5 – June 9, 2011
35	Ahmed Mostafa , Tadeusz Górecki, Tomasz Dymerski, Tomasz Chmiel, Waldemar Wardencki	Comprehensive two-dimensional gas chromatography-mass spectrometry (GC×GC-TOFMS) analysis and characterization of volatile organic compounds in Polish honeys	Canadian Society for Chemistry (CSC), 94 th Canadian chemistry conference and exhibition, Montreal, Quebec, Canada, June 5 – June 9, 2011
36	Tadeusz Górecki, Ahmed Mostafa , Tomasz Chmiel, Tomasz Dymerski, Andre de Villiers, Weldegergis B., Jochen Vestner, Andreas Tredoux	Characterization of Natural Products by Comprehensive Two-Dimensional Gas Chromatography	Canadian Society for Chemistry (CSC), 94 th Canadian chemistry conference and exhibition, Montreal, Quebec, Canada, June 5 – June 9, 2011
37	Ahmed Mostafa and Tadeusz Górecki	A new single-stage cryogenic modulator for comprehensive two dimensional gas chromatography (GC×GC)	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON), Atlanta, GA, USA, Mar 13 – Mar 18, 2011
38	Tadeusz Gorecki, Ahmed Mostafa , Tomasz Chmiel, Tomasz Dymerski, Andre de Villiers, Andreas Tredoux	Applications of GCxGC in natural product analysis	35 th International Symposium on Capillary Chromatography and 8 th GCxGC Symposium, San Diego, CA, USA, May 1 – May 5, 2011
39	Tomasz Chmiel, Ahmed Mostafa , Tadeusz Górecki, Tomasz Dymerski, Waldemar Wardencki	Characterization of the volatile components of blue honeysuckle berries using comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry (GC×GC-TOFMS)	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON), Atlanta, GA, USA, Mar 13 – Mar 18, 2011
40	Tomasz Chmiel, Tomasz Dymerski, Paulina Biernacka, Waldemar Wardencki, Agnieszka Bartoszek, Ahmed Mostafa , Tadeusz Górecki	Characterization of flavor profile of blue honeysuckle berries	EuroFoodChem XIV - Translating food chemistry into health benefits, Gdansk, Poland, July 6-8, 2011



41	Tadeusz Górecki, Ahmed Mostafa , Tomasz Chmiel, Tomasz Dymerski, A. de Villiers, Jochen Vestner, A.G.J. Tredoux	Applications of GC×GC-ToF MS in Natural Product Characterization	2 nd Multi-Dimensional Chromatography Workshop, January 11, 2011, Ministry of Environment, Toronto, ON (invited lecture)
42	Tadeusz Górecki, Ahmed Mostafa , Tomasz Chmiel, Tomasz Dymerski, A. de Villiers, Jochen Vestner, A.G.J. Tredoux	Applications of comprehensive two-dimensional gas chromatography – time-of-flight mass spectrometry (GC×GC- TOFMS) in natural product characterization	Analitika 2010, December 5 – 9, 2010, Stellenbosch, South Africa, abstract O29 (invited keynote lecture)
43	Tadeusz Górecki, O. Panic, C. McNeish, T N. Oldridge, Ahmed Mostafa	Shifting the paradigm in thermal GC×GC modulation	Eastern Analytical Symposium and Exposition, November 15-18, 2010, Somerset, New Jersey, abstract 136 (invited lecture)
44	Ahmed Mostafa and Tadeusz Górecki	Sensitivity of comprehensive two- dimensional gas chromatography (GC×GC) versus one dimensional gas chromatography (1D-GC)	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON), Orlando, FL, USA, Feb 28 – Mar 5, 2010
45	Tomasz Dymerski, Tomasz Chmiel, Waldemar Wardencki, Ahmed Mostafa , Tadeusz Górecki	Identification of the volatile constituents of Polish honeys using comprehensive two-dimensional gas chromatography coupled with time-of-flight mass spectrometry	Extech 2010 - the 12 th International Symposium on Advances in Extraction Technologies, Poznań, Poland, Sep 20-22, 2010
46	Ahmed Mostafa and Tadeusz Górecki	Sensitivity in comprehensive two- dimensional gas chromatography (GC×GC)	Canadian Society for Chemistry (CSC), 93 rd Canadian chemistry conference and exhibition, Toronto, Ontario, Canada, May 29 – June 2, 2010
47	Ahmed Mostafa and Tadeusz Górecki	Sensitivity of comprehensive two- dimensional gas chromatography (GC×GC) versus one dimensional gas chromatography (1D-GC)	GWC ² Annual General Meeting, Poster and Conference, Waterloo, Ontario, Canada, 2010
48	Ahmed Mostafa and Tadeusz Górecki	Limits of detection in GC×GC vs. 1D-GC	34 th International Symposium on Capillary Chromatography and 7 th GC×GC Symposium, Riva del Garda, Italy, May 30 – June 4, 2010
49	Tadeusz Górecki, O. Panic, C. McNeish, T	Single stage modulation – a curiosity or a viable idea	34 th International Symposium on Capillary Chromatography and 7 th GC×GC Symposium, Riva del



	N. Oldridge, Ahmed Mostafa		Garda, Italy, May 30 – June 4, 2010
50	Alaa El-Gindy, Samy Emara, Ahmed Mostafa	Development and validation of chemometrics-assisted spectrophotometry and liquid chromatography for the simultaneous determination of two multicomponent cough mixtures containing guaiphenesin	The 29 th International Conference of Pharmaceutical Sciences and 8 th Conference of the Colleges of Pharmacy in the Arab World, Cairo - Egypt, December 2004
51	Alaa El-Gindy, Samy Emara, Ahmed Mostafa	Development and validation of chemometrics-assisted spectrophotometry and liquid chromatography for the simultaneous determination of six-component pharmaceuticals	The 29 th International Conference of Pharmaceutical Sciences and 8 th Conference of the Colleges of Pharmacy in the Arab World, Cairo - Egypt, December 2004
52	Alaa El-Gindy, Samy Emara, Ahmed Mostafa	Spectrophotometric and LC determination of binary mixture containing bisoprolol fumarate and hydrochlorothiazide	The 29 th International Conference of Pharmaceutical Sciences and 8 th Conference of the Colleges of Pharmacy in the Arab World, Cairo - Egypt, December 2004
53	Alaa El-Gindy, Samy Emara, Ahmed Mostafa	HPLC and chemometric - assisted spectrophotometric methods for simultaneous determination of atenolol, amiloride hydrochloride and chlorthalidone	The 29 th International Conference of Pharmaceutical Sciences and 8 th Conference of the Colleges of Pharmacy in the Arab World, Cairo - Egypt, December 2004

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Heba Shaaban, Ahmed Mostafa , DSR (IAU)	Monitoring and Assessment of pharmaceutically active compounds as environmental emerging contaminants in wastewater in Dammam	March, 2017
2	Heba Shaaban, Wejdan AlHajri, Ahmed Mostafa	Assessment and determination of endocrine disrupting compounds in cosmetic and personal care products marketed in Saudi Arabia	2018

Current Researches

#	Research Title	Name of Investigator(s)
1	Human health risk assessment of exposure to xenobiotics among population in Saudi Arabia	Ahmed Mostafa , Heba Shaaban, Mohamed ElSakkar, Abdulmalik Alqarni, Joseph Royes



2	Development of a smart nanohybrid material for solar photodegradation and disinfection of organic (biological) pollutants in water	Hafedh Kochkar, Nuhad Alomair, Omer Aga, Ahmed Mostafa
3	Comprehensive characterization and assessment of the contaminants of emerging concern in seawater, biota and sediment of Arabian Gulf and its impact on marine environment using state-of-the-art chromatographic techniques	Ahmed Mostafa , Heba Shaaban, Omer Aga
4	Monitoring and assessment of antibiotic use in aquaculture in KSA	Heba Shaaban, Ahmed Mostafa , Faten Alhomoud
5	Chemo-profiling, isolation and partial synthesis of natural products from plants/microbes for potent anti-cancer, anti-microbial and antidiabetic interest	Ashik Mosaddiq, Noor Almandil, Mohamed Ibrahim, Ahmed Mostafa , Muhammad Nawaz, Muhammad Taha
6	Molecular insights into the antiepileptic effects of Carbamazepine, Imipramine and their combinations in animal models of epilepsy	Faheem Potto, Mohammad Ansari, Ahmed Mostafa , Mohammed Salahuddin

Membership of Scientific and Professional Societies and Organizations

- Canadian Society for Chemistry.
- Environmental Technology and Management Association (Saudi Arabian section of air and waste management association).
- Egyptian General Syndicate of Pharmacists.

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Pharmaceutical Analytical Chemistry	PHCH 208	<ul style="list-style-type: none"> ▪ Course Coordinator. ▪ Taught the whole course to male students. ▪ Prepared the lab manual. ▪ Supervised labs.
2	Instrumental Analysis	PHCH 515	<ul style="list-style-type: none"> ▪ Course Coordinator. ▪ Taught the whole course to male students.
3	Medicinal Chemistry III	PHCH 403	<ul style="list-style-type: none"> ▪ Course Coordinator (2015, 2016, 2019 and 2020). ▪ Taught the whole course to male students (2015 & 2016). ▪ Taught the whole course to female students (2015 & 2016).



			<ul style="list-style-type: none"> ▪ Taught half of the course to female students (2017 & 2018). ▪ Taught half of the course to male students (2017 & 2018). ▪ Taught half of the course to female students (2019). ▪ Taught half of the course to male students (2019).
4	Graduation Project	CLPH 507	<ul style="list-style-type: none"> ▪ Supervising and co-supervising students' graduation projects.
5	Pharmacy Orientation	CLPH 201	<ul style="list-style-type: none"> ▪ Course Coordinator (2014/2015). ▪ Taught the whole course to male students. ▪ Taught the whole course to female students.
6	Introduction to Analytical Chemistry	Chem 220 (University of Waterloo, Canada)	<ul style="list-style-type: none"> ▪ TA for the course.
7	Analytical Chemistry Laboratory	Chem 224L (University of Waterloo, Canada)	<ul style="list-style-type: none"> ▪ Instrumental analysis experiments (GC and HPLC) for undergraduate students.
8	Physical and chemical properties of matter	Chem 120 (University of Waterloo, Canada)	<ul style="list-style-type: none"> ▪ TA ▪ Tutored undergraduate students
9	Pharmaceutics 1	Pharm 124L (University of Waterloo, Canada)	<ul style="list-style-type: none"> ▪ TA ▪ Undergraduates' labs.
10	Qualitative inorganic analysis	Faculty of Pharmacy, Suez Canal University, Egypt	<ul style="list-style-type: none"> ▪ TA ▪ Undergraduates' labs.
10	Quantitative analytical chemistry	Faculty of Pharmacy, Suez Canal University, Egypt	<ul style="list-style-type: none"> ▪ TA ▪ Undergraduates' labs.
11	Instrumental analysis	Faculty of Pharmacy, Suez Canal University, Egypt	<ul style="list-style-type: none"> ▪ TA ▪ Undergraduates' labs.

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To
1	Pharmaceutical Analytical Chemistry – PHCH 208	√		√		Jan. 2015	Jan. 2020
2	Instrumental Analysis – PHCH 515	√		√		Sep. 2017	Sep. 2019
3	Medicinal Chemistry III – PHCH 403	√		√		Sep.2015	Sep. 2018



4	Pharmacy Orientation – CLPH 201	√		√		Sep.2015	Jan. 2016
5	Medicinal Chemistry III – PHCH 403	√		√		Sep. 2019	Present

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	College and University or Program	Date
1	Health Professional Ethics from Islamic Perspective	Health Club at IAU	March 2017
2	Research Process	Undergraduate 4 th year students	Nov. 2016
3	How to use EndNote	Undergraduate 4 th and 5 th year students	Oct. 2017 & Oct. 2018
4	Career pathways for pharmacists	Undergraduate pharmacy students at IAU	Feb. 2019

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Masters – External Supervisor	Master of Pharmaceutical Quality Assurance and Biotechnology	Dublin Institute of Technology, School of Chemical and Pharmaceutical Sciences, Dublin, Ireland	Nov. 2017

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	7/2014	Present	Vice Deanship for Quality, Development and Community Services Coordinator	College of Clinical Pharmacy, Imam Abdulrahman University
2	6/2019	Present	Professional Development Unit	College of Clinical Pharmacy, Imam Abdulrahman University
2	7/2014	1/2018	Teaching & Learning Unit coordinator	College of Clinical Pharmacy, Imam Abdulrahman University
3	11/2017	Present	Program reviewer	Education Evaluation Commission – National Center for Academic Accreditation and Evaluation (EEC-NCAAA), KSA
4	10/2018	Present	Institution and Program Reviewer	Education Evaluation Commission – Saudi Arabian Qualification Framework (EEC-SAQF), KSA



Committee Membership

#	From	To	Position	Organization
1	9/2015	Present	Quality and Development Committee, Chair	College of Clinical Pharmacy, Imam Abdulrahman University
2	4//2016	Present	Strategic Planning Committee, Vice-chair	College of Clinical Pharmacy, Imam Abdulrahman University
3	2/2017	Present	Self-evaluation Main Steering Committee, Vice-chair	College of Clinical Pharmacy, Imam Abdulrahman University
4	3/2018	Present	External Advisory Committee, Member	College of Clinical Pharmacy, Imam Abdulrahman University
5	10/2015	Present	Imam Abdulrahman Bin Faisal University Permanent Executive Committee for Quality, member	Imam Abdulrahman University
6	10/2014	4/2019	College of Clinical Pharmacy Foundation Committee	College of Clinical Pharmacy, Imam Abdulrahman University
7	4/2019	Present	College of Clinical Pharmacy Board	College of Clinical Pharmacy, Imam Abdulrahman University
8	1/2017	5/2020	Students Disciplinary Committee	College of Clinical Pharmacy, Imam Abdulrahman University
9	9/2019	Present	Risk Management Committee	College of Clinical Pharmacy, Imam Abdulrahman University
10	4/2014	4/2019	Laboratory Preparation Committee	College of Clinical Pharmacy, Imam Abdulrahman University
11	3/2015	6/2019	Curriculum Development Committee	College of Clinical Pharmacy, Imam Abdulrahman University



Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2/2018	Present	Editorial board member	Journal of Advances in Analytical and Pharmaceutical Chemistry
2	1/2018	Present	Editorial board member	SEJ Pharmaceutical Analysis.
3	4/2018	Present	Editorial board member	Pharmacy Practice and Pharmaceutical Sciences journal
4	6/2017	Present	Journal Reviewer	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
5	3/2017	Present	Journal Reviewer	Energy & Fuels
6	11/2011	Present	Journal Reviewer	AOAC International
7	9/2013	Present	Journal Reviewer	RSC Advances
8	4/2012	Present	Journal Reviewer	Scientia Pharmaceutica
9	1/2013	Present	Journal Reviewer	Analytical Methods
10	8/2011	Present	Journal Reviewer	The Analyst
11	5/2009	Present	Journal Reviewer	African Journal of Pharmacy & Pharmacology
12	5/2020	Present	Journal Reviewer	Journal of Separation Science
13	1/2018	Present	Journal Reviewer	Journal of Liquid Chromatography & Related Technologies
14	5/2019	Present	Journal Reviewer	Spectroscopy Letters
15	10/2013	3/2014	Teacher at Almanar Evening School Program	Waterloo, Ontario, Canada
16	10/2010	7/2012	Program Coordinator, Almanar Evening School	Waterloo, Ontario, Canada
17	10/2009	10/2010	Teacher at Almanar Evening School Program	Waterloo, Ontario, Canada
18	10/2009	7/2012	Teacher at Al-Huda weekend school	Waterloo, Ontario, Canada

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	20 years of experience in the field of Analytical Chemistry, specializing in method development and validation.
2	Strong administrative and teaching skills and experience. Moreover, I have been recognized by College of Clinical Pharmacy students at IAU for strong mentoring skills with the "Best Inspiring Person Award"
3	Strong experience in quality in higher education, curriculum development and teaching methods.
4	Best Researcher Award at the College of Clinical Pharmacy, IAU (2018-2019)
5	Proficiency in LC, GC, GCxGC – Quadrupole and TOF mass spectrometry, LC-MS-MS, LC-Orbitrap
6	Proficiency in sample preparation techniques such as SPME, SPE, accelerated solvent extraction



	(ASE) and ultrasonic-assisted extraction
7	Strong experience in method development, validation and complex sample analysis.
8	Strong mathematical knowledge of chemometrics (e.g., CLS, PCR, PLS-1 and MCR-ALS) and its application in pharmaceutical, environmental and food analysis.
9	Applications: TEX, LATEX, BibTEX, Microsoft office, Openoffice, HTML, TurboCAD professional 16, ChemDraw, and various chromatography data processing software's

Last Update

19/10/2020