



FACULTY FULL NAME: Heba Shaaban Mohamed

POSITION: Associate professor

Personal Data

Nationality | Canada/Egypt

Department | Pharmaceutical Chemistry

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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
2001	BSc. of Pharmaceutical Sciences	Egypt	Faculty of Pharmacy, Suez Canal University

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

PhD	Advanced separation techniques in the analysis of environmental pollutants
Master	Spectrophotometric and chromatographic determination of some important antispasmodic and anti-cough pharmaceutical preparations
Bachelor	Bachelor of Pharmaceutical Sciences, Excellent with Honors

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Professor of Pharmaceutical Analytical Chemistry	Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia	April 2014- present
Assistant Professor of Pharmaceutical Analytical Chemistry	Suez Canal University, Faculty of Pharmacy, Ismailia, Egypt	September 2012 - March 2014
Research Assistant	University of Waterloo, Waterloo, Ontario, Canada	May 2012 – August 2012
Teaching and Research Assistant	University of Waterloo, Waterloo, Ontario, Canada.	January 2008 – April 2012
Lecturer of Analytical Chemistry	Suez Canal University, Faculty of Pharmacy, Ismailia, Egypt	October 2005 - December 2007
Instructor of Analytical Chemistry	Suez Canal University, Faculty of Pharmacy, Ismailia, Egypt	August 2001 – September 2005



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	Abdulmalik M. Alqarni, Ahmed Mostafa, Heba Shaaban, Hatem I. Mokhtar, Atheer Aseeri, Badriah Alkarshami, Shareefa Alonaizi, Rafidi Dham Alrafidi, Amjad Aoussi Aseeri, Mohammad A. Alrofai	Air-agitated liquid-liquid microextraction method based on solidification of a floating organic droplet (AALLME-SFO) followed by UPLC-MS/MS for trace analysis of steroids in water samples: Assessment of the method environmental impact using Analytical Eco-Scale, green Analytical procedure Index and the Analytical GREENness metric.	Microchemical Journal, 2024
2	Abdulmalik M. Alqarni, Ahmed Mostafa, Heba Shaaban, Mohamed S. Gomaa, Danyah Albashrayi, Batool Hasheeshi, Nujud Bakhshwain, Atheer Aseeri, Abdulaziz Alqarni, Abdulgani Alamri and Mohammad A. Alrofai	Development and optimization of natural deep eutectic solvent-based dispersive liquid-liquid microextraction coupled with UPLC-UV for simultaneous determination of parabens in personal care products: evaluation of the eco-friendliness level of the developed method.	RSC Advances, 2023
3	Heba Shaaban	Sustainable dispersive liquid-liquid microextraction method utilizing a natural deep eutectic solvent for determination of chloramphenicol in honey: Assessment of the environmental impact of the developed method	RSC Advances, 2023
4	Heba Shaaban , Ahmed Mostafa, Abdulmalik M Alqarni, Ruya Alsultan, Zahra Aljarrash, Weam Al-Zawad, Shahad Al-Kahlah, Mohd Amir	Dispersive liquid-liquid microextraction utilizing menthol-based deep eutectic solvent for simultaneous determination of sulfonamides residues in powdered milk-based infant formulas	Journal of Food Composition and Analysis, 2023
5	Heba Shaaban , Ahmed Mostafa	Simultaneous determination of antibiotics residues in edible fish muscle using eco-friendly SPE-UPLC-MS/MS: Occurrence, human dietary exposure and health risk assessment for consumer safety	Toxicology Reports, 2023



6	Heba Shaaban	The ecological impact of liquid chromatographic methods reported for bioanalysis of COVID-19 drug, hydroxychloroquine: Insights on greenness assessment	Microchemical Journal, 2023
7	Ahmed Mostafa, Heba Shaaban	GC-MS determination of undeclared phthalate esters in commercial perfumes: Occurrence, profiles and assessment of carcinogenic and non-carcinogenic risk associated with their consumption among adult consumers	Molecules, 2023
8	Ahmed Mostafa, Heba Shaaban , Abdulmalik Alqarni, Raneem Al-Ansari, Ahlam Alrashidi, Fatima Al-Sultan, Mohammed Alsulaiman, Fatimah Alsaif, Omer Aga	Multi-class determination of pharmaceuticals as emerging contaminants in wastewater from Eastern Province, Saudi Arabia using eco-friendly SPE-UHPLC-MS/MS: Occurrence, removal and environmental risk assessment	Microchemical Journal, 2023
9	Ahmed Mostafa, Heba Shaaban	Chemometric Assisted UV-Spectrophotometric Methods Using Multivariate Curve Resolution Alternating Least Squares and Partial Least Squares Regression for Determination of Beta-Antagonists in Formulated Products: Evaluation of the Ecological Impact	Molecules, 2023



10	Rizwan Ahmad, Mohammed Aldholmi, Aljawharah Alqatham, Ebtihal Althomali, Fatema Aljishi, Ahmed Mostafa, Abdulmalik M. Alqarni, Heba Shaaban	The effect of natural antioxidants, pH, and green solvents upon catechins stability during ultrasonic extraction from green tea leaves (<i>Camellia sinensis</i>)	Ultrasonics Sonochemistry, 2023
11	Ahmed Mostafa, Heba Shaaban , Abdulmalik M. Alqarni, Meshal Alghamd, Semat Alsultan, Jenan Saleh Al-Saeed , Sahar Alsaba, Amal AlMoslem, Yasir Alshehry , Rizwan Ahmad	Vortex-assisted dispersive liquid–liquid microextraction using thymol based natural deep eutectic solvent for trace analysis of sulfonamides in water samples: Assessment of the greenness profile using AGREE metric, GAPI and analytical eco-scale	Microchemical Journal, 2022
12	Shahanas Chathoth, Mona H. Ismail, Hanan M. Alghamdi, Hazem Mohamed Zakaria, Khairi Ahmed Hassan, Saeed Alshomimi, Chittibabu Vatte, Cyril Cyrus, Hind S. Alsaif, Ahmed Mostafa, Heba Shaaban and Amein Al Ali	Insulin resistance induced by de novo pathway-generated C16-ceramide is associated with type 2 diabetes in an obese population	Lipids in Health and Disease, 2022
13	Rizwan Ahmad, Heba Shaaban , Sahar Y. Issa, Anwar Alsaad, Majd Alghamdi, Njoud Hamid, Rand Osama, Sara Algarni, Ahmed Mostafa, Abdulmalik M. Alqarni, Mohammed Aldholmi & Muhammad Riaz	ICP-MS determination of elemental abundance in traditional medicinal plants commonly used in the Kingdom of Saudi Arabia	Food Additives & Contaminants: Part B, 2022



14	Heba Shaaban , Sahar Y. Issa, Rizwan Ahmad, Ahmed Mostafa, Sara Refai, Nooran Alkharraa, Batool T. Albaqshi, Dania Hussien, Abdulmalik M. Alqarni	Investigation on the elemental profiles of lip cosmetic products: concentrations, distribution and assessment of potential carcinogenic and non-carcinogenic human health risk for consumer safety	Saudi Pharmaceutical Journal, 2022
15	Heba Shaaban , Ahmed Mostafa, Abdulmalik M. Alqarni, Yasmeen Almohamed, Duaa Abualrahi, Dania Hussien, Meshal Alghamdi	Simultaneous determination of bisphenol A and its analogues in foodstuff using UPLC-MS/MS and assessment of their health risk in adult population	Journal of Food Composition and Analysis, 2022
16	Rizwan Ahmad, Aljawharah Alqathama, Mohammed Aldholmi, Muhammad Riaz, Ashraf N. Abdalla, Ahmed Mostafa, Hamdi M. Al-Said, Abdulmalik M. Alqarni, Riaz Ullah, Sami. S. Asgher, Mohd. Amir, Heba Shaaban , Wasim Ahmad	Gas chromatography-mass spectrometry (GC-MS) metabolites profiling and biological activities of various Capsicum annum cultivars	Plants, 2022
17	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
18	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
19	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



20	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
21	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
22	Heba Shaaban, Mohsina Bano Shaikh	Radiation and its associated health risks: Assessment of knowledge and risk perception among adolescents and young adults in Saudi Arabia	International Journal of Adolescent Medicine and Health, 2018
23	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
24	Heba Shaaban	High speed hydrophilic interaction liquid chromatographic method for simultaneous determination of selected pharmaceuticals in wastewater using a cyano-bonded silica column	Journal of Liquid Chromatography & Related Technologies, 2018
25	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
26	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
27	Ahmed Mostafa, Heba Shaaban	Quantitative analysis and resolution of pharmaceuticals in the environment using multivariate curve resolution-alternating least squares (MCR-ALS)	Acta Pharmaceutica, 69, 2018
28	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
29	Heba Shaaban	Exposure to Heavy Metals from the Consumption of Cosmetics and Personal Care Product"	Acta Scientific Medical Sciences, 2018



30	Heba Shaaban	Endocrine Disruptors from Cosmetic Products: Health Impacts and Regulatory Methods	Acta Scientific Medical Sciences, 2018
31	Heba Shaaban	Pharmaceutically Active Compounds in the Environment: Are we Protected?	Chromatography and Separation Techniques Journal, 2017
32	Heba Shaaban	Green, eco-friendly bio-analytical techniques for pharmaceutical analysis	Journal of Clinical and Bioanalytical Chemistry, 2017
33	Heba Shaaban	Exposure to Endocrine Disrupting Compounds from Personal Care Products: Can be Reduced?	Annals of Pharmacology and Pharmaceutics, 2017
34	Heba Shaaban	Exposure to Heavy Metals from the Consumption of Cosmetics and Personal Care Product"	Acta Scientific Medical Sciences, 2018
35	Heba Shaaban	New insights in liquid chromatography for more eco-friendly analysis of pharmaceuticals	Journal of Analytical and Bioanalytical Chemistry, 2016
36	Heba Shaaban, Tadeusz Górecki	Current trends in green liquid chromatography for the analysis of pharmaceutically active compounds in the environmental water compartments	Talanta, 2015
37	Heba Shaaban, Tadeusz Górecki	Green ultra-fast high performance liquid chromatographic method using a short narrow bore fully porous sub-2 μm column for simultaneous determination of some selected pharmaceuticals as surface water and wastewater pollutants	Journal of separation science, 2013
38	Heba Shaaban, Tadeusz Górecki	Fast ultrahigh performance liquid chromatographic method for the simultaneous determination of 25 emerging contaminants in surface water and wastewater samples using superficially-porous fused core particles	Talanta, 2012
39	Heba Shaaban, Tadeusz Górecki	Fused core particles as an alternative to fully porous sub-2 μm particles in pharmaceutical analysis using coupled columns at elevated temperature	Analytical Methods, 2012
40	Heba Shaaban, Tadeusz Górecki	Optimization and validation of a fast ultrahigh pressure liquid chromatographic method for simultaneous determination of selected sulphonamides in water samples using a fully porous sub-2 μm column at elevated temperature	Journal of separation science, 2012
41	Heba Shaaban, Tadeusz Górecki	High temperature-high efficiency liquid chromatography using sub-2 μm coupled columns for the analysis of selected non-steroidal anti-inflammatory drugs and veterinary antibiotics in environmental samples	Analytica Chimica Acta, 2011
42	Heba Shaaban, Tadeusz Górecki	High-efficiency liquid chromatography using sub-2 μm columns at elevated temperature for the analysis of sulfonamides in wastewater	Chromatographia, 2011



43	Alaa El-Gindy, Samy Emara, Heba Shaaban	Validation and application of chemometrics-assisted spectrophotometry and liquid chromatography for simultaneous determination of two ternary mixtures containing drotaverine hydrochloride	Journal of AOAC International, 2010
44	Alaa El-Gindy, Samy Emara, Heba Shaaban	HPLC stability- indicating method for determination of oxyphenonium bromide and its degradation product	Journal of AOAC International, 2007
45	Alaa El-Gindy, Samy Emara, Heba Shaaban	Development and validation of chemometrics-assisted spectrophotometry and liquid chromatography for simultaneous determination of two multicomponent mixtures containing bronchodilator drugs	Journal of Pharmaceutical and Biomedical Analysis, 2007
46	Alaa El-Gindy, Samy Emara, Heba Shaaban	Spectrophotometric and chromatographic methods for simultaneous determination of binary mixture containing Drotaverine Hydrochloride and Nifuroxazide	Bull. Fac. Pharm. Cairo Univ., 2005
Book chapters			
1	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
2	Heba Shaaban , Tadeusz Górecki	"Recent trends in green chromatography for the analysis of pharmaceuticals in the aquatic environment", Fernando Ramos (ed.), in: "Liquid Chromatography: Principle, Technology and Applications"	New York, Nova Science Publishers, ch. 9, 2013.
3	Heba Shaaban , Tadeusz Górecki	"Total Parameters as a Tool for the Evaluation of the Load of Xenobiotics in the Environment ", J. Namieśnik and P. Szefer (ed.), in "Analytical Measurements in Aquatic Environment	CRC Press, Taylor & Francis Group, New York, ch. 10, 2009.
4	Ahmed Mostafa, Heba Shaaban , Tadeusz Górecki	"Multidimensional liquid chromatography applied to analysis of pesticides" in J. Sharma and T. Tuzimski (ed.), "High-Performance Liquid Chromatographic Methods of Pesticide Residues Analysis	CRC Press Taylor and Francis, 2015.

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Zahra Alsultan, Salwa Abdulkarim, Heba Shaaban, Abdulmalek Alqarni, Abdulaziz Alkhzem and Ahmed Mostafa	A Novel Green Deep Eutectic Solvent Air-Assisted Liquid-Liquid Microextraction Coupled to UHPLC-MS-MS for Rapid Determination of Psychotropic Agents in Different Water Environments	International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT) Dubai, UAE. 2024
2	Rakan Almutairi, Adel Alwayli, Musaad Alibrahim, Abdulmalik Alqarni, Heba Shaaban and Ahmed Mostafa	A novel green deep eutectic solvent-based liquid-liquid microextraction for the analysis of antibiotics in cow and chicken meat using UPLC-MS/MS	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 22-24 January 2024
3	Zahra Alsultan, Salwa Abdulkarim, Heba Shaaban , Abdulmalek Alqarni, Abdulaziz Alkhzem and Ahmed Mostafa	A Novel Green Deep Eutectic Solvent Air-Assisted Liquid-Liquid Microextraction Coupled to UHPLC-MS-MS for Rapid Determination of Psychotropic Agents in Different Water Environments	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 22-24 January 2024



4	Sarah AlQahtani, Shahad AlKahlah, Arjwan AlQarni, Najd AlMutairi, Heba Shaaban , Ahmed Mustafa, Abdulmalik AlQarni	Dispersive liquid-liquid microextraction based on a novel deep eutectic solvent followed by UPLC-MS/MS for trace analysis of bisphenols in beverages	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 22-24 January 2024
5	Arjwan Alqarni, Najd Almutairi, Heba Shabaan , Ahmed mostafa, Abdulmalik Alqarni	Determination of parabens in foodstuffs marketed in Saudi Arabia using U P L C - M S / M S and assessment of dietary exposure in adult population	International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT) Dubai, UAE. 2024
6	Shahad AlKahlah, Sarah AlQahtani, Heba Shaaban , Ahmed Mustafa, Abdulmalik AlQarni	Dispersive liquid-liquid microextraction based on a novel deep eutectic solvent followed by UPLC-MS/MS for trace analysis of bisphenols in beverages	International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT) Dubai, UAE. 2024
7	Fatimah Alsaif, Heba Shaaban , Ahmed Mostafa, Abdulmalik Alqarni	GC-MS determination of undeclared phthalate esters in commercial perfumes: Occurrence, profiles and assessment of carcinogenic and non-carcinogenic risk associated with their consumption among adult consumers	International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT) Dubai, UAE. 2023, (2nd place best poster presentation award)
8	Semat Alsultan, Jenan Alsaeed, Meshal Alghamdi, Abdulmalik Alqarni, Heba Shaaban and Ahmed Mostafa	Optimization of an eco-friendly dispersive liquid-liquid microextraction method for trace analysis of sulfonamides in water: Assessment of the greenness profile	KSAPT2023, Khobar, Saudi Arabia (2nd place best poster presentation award)



9	Makarem Alkhalaf, Marwa Al Salman, Abdulmalik Alqarni, Heba Shaaban and Ahmed Mostafa	A novel natural anisaldehyde-based deep eutectic solvent for green dispersive liquid-liquid microextraction of different antibiotics in food samples	The annual meeting of APS (SIPHA), Al Khobar, Saudi Arabia, 2023
10	Norah ALsubaie, Heba Shaaban , Ahmed Mostafa, Abdulmalik Alqarni	Synthesis of a novel deep eutectic solvent as a sustainable alternative in dispersive liquid-liquid microextraction for trace analysis of bisphenol A and its alternatives in baby products	The annual meeting of APS (SIPHA), Al Khobar, Saudi Arabia, 2023
11	Zainab Al Shehab. Ruya Alsultan, Heba Shaabn , Ahmad Mostafa, Abdulmalik Alqarni	Dispersive liquid-liquid microextraction method based on a natural deep eutectic solvent for eco-friendly analysis of sulfonamides in milk-based infant formulas	The annual meeting of APS (SIPHA), Al Khobar, Saudi Arabia, 2023
12	Norah ALsubaie, Heba Shaaban , Ahmed Mostafa, Abdulmalik Alqarni	Trace Analysis of Bisphenol A and its Alternatives in Baby Products Marketed in Saudi Arabia Using a Novel Eco-friendly Fenchone-based Deep Eutectic Solvent as a Green Alternative in Dispersive Liquid-liquid Microextraction and UPLC-MS/MS	International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT) Dubai, UAE. 2023
13	Semat Alsultan, Jenan Al- Saeed, Meshal Alghamdi, Abdulmalik Alqarni, Heba Shaaban and Ahmed Mostafa	A novel natural thymol-based deep eutectic solvent for green dispersive liquid-liquid microextraction of sulfonamides in water and fruit juice samples	KSAPT 2021, Khobar, Saudi Arabia (2nd place best poster presentation award)
14	Hussein Al-zarra, Ali Altammar, Ali Alammar, Abdulmalik Alqarni, Ahmed Mostafa and Heba Shaaban	Monitoring of Bisphenol A and its alternatives in thermal paper receipts from Saudi Arabia: Assessment of human daily exposure	KSAPT 2021, Khobar, Saudi Arabia
15	Noor Aldawood, Zainab Alsadah, Ahmed Mostafa, Heba shaban , Abdul-Malik El-Qarni, Meshal Alghamdi, ""	Development and Validation of A High-speed Liquid Chromatographic Method for Simultaneous Determination of Preservatives in Condiments Marketed in Saudi Arabia	KSAPT 2021, Khobar, Saudi Arabia
16	Yasmeen Almohamed Duaa Abualrahi, Heba Shaaban , Ahmed Mostafa, Abdulmalik Al Qarni and Meshal Alghamdi	Trace analysis of endocrine disrupting compound bisphenol A and some of its analogues in food products marketed in Saudi Arabia	KSAPT 2021, Khobar, Saudi Arabia
17	Osama alabbadi, Ibrahim almuebid, Hamad alshamsi, Meshal Alghamdi,	Green and fast UHPLC-MS/MS method for monitoring of synthetic phosphodiesterase type 5	KSAPT 2021, Khobar, Saudi Arabia



	Abdulmalik Alqarni, Heba Shaaban and Ahmed Mostafa	inhibitors as possible adulterants in dietary supplements from Saudi market	
18	Njoud AlHamid, Heba Shaaban, Sahar Y. Issa, Ahmed Mostafa, Saleha Algarni, Majd Aghamdi, Rand Alabdulmohsin, Anwar Alsaad	Determination of heavy metals in traditional herbs commonly used in Saudi Arabia.	International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT) Dubai, UAE. 2020
19	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
20	Zainab Aldarwish, Heba Shaaban , Ahmed Mostafa, Zainab Sharroufna, and Mariam Abu Al-Ruha	Determination of pharmaceutical residues in fish using UHPLC-MS/MS	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020
21	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
22	Batool Taleb, Heba Shaaban , Aseel Al-Karasneh, Bayan Abass and Weqar Ali	Evaluation of knowledge, perception and risk awareness of lead poisoning in Saudi Arabia: A population-based study	The annual meeting of APS (SIPHA), Riyadh, Saudi Arabia, 2020
23	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
24	Sara Refai, Ahmed Mostafa, Heba Shaaban	Spectrophotometric and multivariate calibration techniques for simultaneous determination of different drugs in pharmaceutical formulations and human urine: evaluation of greenness profile	KSAPT2020, Dammam, Saudi Arabia (2nd place best poster presentation award)
25	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



26	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
27	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
28	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 "Pharmaceutical Sciences"
29	Wejdan Alhajri, Khawlah AlKhalifah, Lyla Almubarak, Heba Shaaban , Ahmed Mostafa,	Determination of phthalates esters in perfumes marketed in Saudi Arabia using dispersive liquid liquid extraction coupled to gas chromatography mass spectrometry (DLLME-GC-MS)	1st Pharmacy and Toxicology Conference (KSAPT), April 4, 2019, Khobar, Saudi Arabia
30	Alhanouf M Almalaihi and Heba Shaaban	Fish consumption pattern and public perception of the risks associated with fish consumption in Saudi Arabia	1st Pharmacy and Toxicology Conference (KSAPT), April 4, 2019, Khobar, Saudi Arabia
31	Reem Alsheef, Zahrah Almatar, Safiah Alrubh, Heba Shaaban , Ahmed Mostafa	Simultaneous determination of Over-The-Counter (OTC) analgesics in commercial pharmaceutical formulations utilizing Chemometrics-assisted spectrophotometric methods	Simultaneous determination of Over-The-Counter (OTC) analgesics in commercial pharmaceutical formulations utilizing Chemometrics-assisted spectrophotometric methods, 1st Pharmacy and Toxicology Conference (KSAPT), April 4, 2019, Khobar, Saudi Arabia
32	Zainab Sharroufna, Zainab Aldarwish, Mariam Abu Al-Ruha, Heba Shaaban	Simultaneous determination of multi-class pharmaceuticals in fish muscle using solid phase extraction followed by ultrahigh performance liquid chromatography tandem mass spectrometry (UPLC-MS/MS)	1st Pharmacy and Toxicology Conference (KSAPT), April 4, 2019, Khobar, Saudi Arabia.
33	Fatima Alsultan, Ahlam Alrasheedy and Raneem Alansari, 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	1st Pharmacy and Toxicology Conference (KSAPT), April 4, 2019, Khobar, Saudi Arabia, 1st place best poster presentation award.
34	Anhar Alziadi, Nada Alhamad, Heba Shaaban , Hajer	Environmental contamination by pharmaceutical waste: Assessing patterns of disposing unwanted medications and investigating the	1st Pharmacy and Toxicology Conference (KSAPT), April 4, 2019, Khobar, Saudi Arabia (3rd



	Alghamdi, Ahmed Mostafa	factors influencing personal disposing choices	place best poster presentation award)
35	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 pharmacy student organization poster award
36	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
37	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
38	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
39	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)
40	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
41	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
42	Wejdan AlHajri , Heba Shaaban	Usage pattern of cosmetics and personal care products among Saudi females: prevalence, frequency of use and co-use patterns	Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT), Dubai, UAE , 2018
43	Anhar Alzayd, Heba Shaaban , Hajer Alghamdi, Nada	Environmental contamination by pharmaceutical waste: Assessing patterns of disposing unwanted medications in Saudi Arabia and investigating the factors	Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT), Dubai, UAE , 2018



	Alhamed, Ahmed Mostafa	influencing personal disposal choices	
44	Alhanouf M. Almalaihi, Heba Shaaban	Fish Consumption Patterns and Public Perception on Risks Associated with Fish Consumption in Saudi Arabia	Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT), Dubai, UAE , 2018
45	Hind AlSuwaidan , Heba Shaaban	Usage patterns of personal care products in Saudi Arabia,	Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT), Dubai, UAE , 2018
46	Heba Shaaban, Tadeusz Górecki	High Temperature - High Efficiency Liquid Chromatography using Sub-2 μm Coupled Columns for the Analysis of Non-Steroidal Anti-Inflammatory Drugs and Veterinary Antibiotics in Environmental Samples	Graduate Student Research Conference (GSRC), Waterloo, ON, Canada 2012
47	Heba Shaaban, Tadeusz Górecki	Fast ultrahigh performance liquid chromatographic method for the simultaneous determination of some selected emerging contaminants in environmental water samples using superficially-porous fused core particles as an alternative to sub 2 μm particles	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON), Orlando, Florida, USA, 2012
48	Heba Shaaban, Tadeusz Górecki	Comparative study of core shell and sub-2 μm HPLC columns at elevated temperature and extended column length: application to pharmaceutical analysis	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON), Orlando, Florida, USA, 2012
49	Heba Shaaban, Tadeusz Górecki	Strategies for making the determination of pharmaceuticals in water greener	3rd Asia-Oceania Conference on Green and Sustainable Chemistry (AOC-3), Melbourne, Australia, 2011
50	Heba Shaaban, Tadeusz Górecki	Comparative Study of Core Shell and sub-2 μm HPLC Columns at Elevated Temperature and Extended Column Length: Application to Pharmaceutical Analysis	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON), Atlanta, Gorgia, USA, 2011
51	Heba Shaaban, Tadeusz Górecki	High Temperature - High Efficiency Liquid Chromatography using Sub-2 μm Coupled Columns for the Analysis of Non-Steroidal 7Anti-Inflammatory Drugs and Veterinary Antibiotics in Environmental Samples	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, (PITTCON), Atlanta, Gorgia, USA, 2011
52	Heba Shaaban, Tadeusz Górecki	Analysis of Non-Steroidal Anti-Inflammatory Drugs and Veterinary Antibiotics in Environmental Samples Using Sub-2 μm Coupled Columns at High Temperature	Canadian Society for Chemistry (CSC), 94th Canadian chemistry conference and exhibition, Montreal, Quebec, Canada, 2011



53	Heba Shaaban, Tadeusz Górecki	Chromatographic performance of Core Shell and sub-2 μ m HPLC Columns at Elevated Temperature and Extended Column Length: Application to Pharmaceutical Analysis	Canadian Society for Chemistry (CSC), 94th Canadian chemistry conference and exhibition, Montreal, Quebec, Canada, 2011
54	Heba Shaaban, Tadeusz Górecki	High efficiency liquid chromatography using sub-2 μ m columns at elevated temperature for the analysis of sulfonamides in wastewater	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON), Orlando, Florida, USA, 2010
55	Heba Shaaban, Tadeusz Górecki	High efficiency liquid chromatography using sub-2 μ m columns at elevated temperature for the analysis of sulfonamides in wastewater	The International chemical congress of Pacific Basin Societies (Pacifichem), Honolulu, Hawaii, USA, 2010
56	Alaa El-Gindy, Samy Emara, Heba Shaaban	High efficiency high temperature liquid chromatography using sub-2 μ m columns	Graduate Student Research Conference (GSRC), Waterloo, ON, Canada, 2010
57	Alaa El-Gindy, Samy Emara, Heba Shaaban	Development and validation of chemometrics-assisted spectrophotometry and liquid chromatography for simultaneous determination of two multicomponent mixtures containing bronchodilator drugs	The 29th International Conference of Pharmaceutical Sciences and 8th Conference of the Colleges of Pharmacy in the Arab World, Cairo, Egypt, 2004
58	Alaa El-Gindy, Samy Emara, Heba Shaaban	Development and validation of chemometrics-assisted spectrophotometry and liquid chromatography for simultaneous determination of two ternary mixtures containing drotaverine hydrochloride	The 29th International Conference of Pharmaceutical Sciences and 8th Conference of the Colleges of Pharmacy in the Arab World, Cairo, Egypt, 2004
59	Alaa El-Gindy, Samy Emara, Heba Shaaban	Spectrophotometric and chromatographic methods for simultaneous determination of binary mixture containing Drotaverine Hydrochloride and Nifuroxazide	The 29th International Conference of Pharmaceutical Sciences and 8th Conference of the Colleges of Pharmacy in the Arab World, Cairo, Egypt, 2004

Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Year
1	Ahmed Mostafa, Heba Shaaban	Human health risk assessment of exposure to xenobiotics among population in Saudi Arabia	2010
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	2018
3	Ahmed Mostafa, Heba Shaaban, Omer Aga	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, 2017	2017



4	Heba Shaaban, Ahmed Mostafa, Faten Alhomoud	Monitoring and assessment of antibiotic use in aquaculture in KSA	2016
5	Heba Shaaban, Ahmed Mostafa	Monitoring and Assessment of pharmaceutically active compounds as environmental emerging contaminants in wastewater in Dammam	2015

Membership of Scientific and Professional Societies and Organizations

- Member of the Canadian Society for Chemistry.
- Member of the Egyptian General Syndicate of Pharmacists.
- Member of The Science Advisory Board

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Pharmaceutical Analytical Chemistry	PHCH 208, college of clinical pharmacy, IAU	- Course instructor. - Prepared the lab manual. - Supervised labs. - Taught at the female & male side
2	Instrumental Analysis	PHCH 515, college of clinical pharmacy, IAU	- Course Coordinator - Taught the whole course at the female side & male side
	Graduation project	CLPH 507, college of clinical pharmacy, IAU	- Supervising & co-supervising students in their graduation projects
3	Instrumental analysis	Faculty of Pharmacy, Suez Canal University, Egypt	- Participation in the development of the course syllabus Taught the whole course
4	Quality control	Faculty of Pharmacy, Suez Canal University, Egypt	- Participation in the development of the course syllabus Taught the half of the course
5	Physical & Inorganic analytical chemistry	Faculty of Pharmacy, Suez Canal University, Egypt	- Participation in the development of the course syllabus Taught the half course
6	Qualitative inorganic analysis	Faculty of Pharmacy, Suez Canal University, Egypt	- Participation in the development of the course syllabus Taught the whole course
7	Quantitative analytical chemistry	Faculty of Pharmacy, Suez Canal University, Egypt	- Participation in the development of the course syllabus Taught the half of the course
8	Pharmaceutics 1	Pharm 124L (University of Waterloo, Canada)	TA Undergraduates' labs.
9	Qualitative inorganic analysis	Faculty of Pharmacy, Suez Canal University, Egypt	TA Undergraduates' labs.
10	Quantitative analytical chemistry	Faculty of Pharmacy, Suez Canal University, Egypt	TA Undergraduates' labs.
11	Instrumental analysis	Faculty of Pharmacy, Suez Canal University, Egypt	TA Undergraduates' labs.



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

Administrative Responsibilities

#	From	To	Position	Organization
1	July. 2014	2018	PharmD Program Female Section coordinator	College of Clinical Pharmacy, IAU
2	July. 2014	Present	College registrar	College of Clinical Pharmacy, IAU

Committee Membership

#	From	To	Position	Organization
1	Sep. 2019	Sep. 2023	Member of academic affairs committee	College of Clinical Pharmacy, IAU
2	Sep. 2019	Sep. 2023	Member of community service committee	College of Clinical Pharmacy, IAU
3	Sep. 2019	Sep. 2023	Member of students activities committee	College of Clinical Pharmacy, IAU
4	Sep. 2014	Present	Member of registration unit	College of Clinical Pharmacy, IAU
5	Sep. 2019	2021	Member of scientific research committee	College of Clinical Pharmacy, IAU
6	Oct. 2014	Sep. 2020	Member of College of Clinical Pharmacy foundation Committee (college board)	College of Clinical Pharmacy, IAU
7	September 2016	September 2017	Member of the Advisory Committee for Undergraduate Studies	Imam Abdulrahman University
8	September 2015	September 2018	Examination unit coordinator (female section)	College of Clinical Pharmacy, IAU
9	September 2018	September 2019	Member of student admission and support services committee of the Quality Assurance and Accreditation	College of Clinical Pharmacy, IAU
10	September 2016	September 2018	Member of scientific research and community service committee of the Quality Assurance and Accreditation	College of Clinical Pharmacy, IAU



11	September 2016	September 2018	Member of the External Advisory Committee College of Clinical pharmacy	College of Clinical Pharmacy, IAU
12	September 2012	September 2013	Coordinator of scientific research development committee of the Quality Assurance and Accreditation Project (QAAP)	Suez Canal University, Faculty of Pharmacy, Ismailia, Egypt

Professional Services

Editor for Journals		
#	Year	Organization
1	2018	International Arabic Journal of Advanced Sciences and Technology
2	2017	Chromatography and separation techniques Journal
3	2017	International Journal of chromatography and separation techniques
4	2016	Journal of EC Pharmacology and Toxicology
5	2015	Journal of Clinical and Bioanalytical Chemistry
6	2017	International Journal of Medicine and Clinical Research
7	2017	International Journal of Pharma and Drug Development
8	2016	Acta Scientific Medical Sciences
Reviewer for Journals		
1	2024	International AOAC
2	2023	Food composition and Analysis
3	2023	Food additives & contaminants-Part B
4	2023	Frontiers in Bioscience
5	2023	Membranes
6	2022	Talanta
7	2022	Toxicology Reports
8	2022	Frontiers in Bioscience
9	2021	Royal Society Open Science
10	2022	International Journal of Analytical Chemistry
11	2015	Talanta
12	2016	Arabian Journal of Chemistry
13	2018	International journal of AOAC



14	2016	Analytical Chemistry: An Indian Journal
15	2017	SDRP Journal of Food Science & Technology
16	2017	CMJS journal
17	2014	Scientia Pharmaceutica journal
Evaluation of the scientific production for promotion to the rank of associate professor		
1	January, 2023	Al-Jouf University
2	July, 2022	Al-Jouf University
3	July, 2021	Taif University

Workshops & Seminars (selected)

Assessing CLOs using Nawatij electronic platform, College of Clinical Pharmacy, Feb 7, 2023
Tools for Written Assessment for Health Professions Colleges, College of Clinical Pharmacy, 11/10/2022
Effective Formative Assessment Techniques for the classroom, College of Clinical Pharmacy, Oct. 18, 2022
Assessment foundation, College of Clinical Pharmacy, Oct. 4, 2022
Making room for interactivity: Using 'Nearpod' to enhance student engagement in lectures, College of Clinical Pharmacy, 15/2/2022
Interactive teaching and students engagement, College of Clinical Pharmacy, 1/2/2022
Writing course specification in the new NCAAA template, College of Clinical Pharmacy, 25/1/2022
Developing and validating rubrics, College of Clinical Pharmacy, 2/11/2021
Rubrics Development", Imam Abdelrahman Bin Faisal University, Center for quality of assessment and examinations, September 3, 2019.
"Knowledge management- knowledge cafe", Imam Abdelrahman Bin Faisal University, Deanship of students affairs, October 28, 2018.
"Interactive teaching and students engagement", Imam Abdelrahman Bin Faisal University May 7, 2015
"Attract students with your PowerPoint", Imam Abdelrahman Bin Faisal University, March 16, 2017.
"The Pursuit of Excellence in mentoring in Higher Education" Lecture, University of Dammam, October 20, 2016.
"ESHPE (Essential Skills in Health Profession Education): Curriculum Development Module", University of Dammam, February 23-25, 2015.
"ESHPE (Essential Skills in Health Profession Education): Teaching & Learning Module", University of Dammam, November 17-18, 2014.
"ESHPE (Essential Skills in Health Profession Education): Assessment", University of Dammam, April 13-15, 2015.



"Questioning Strategies and Leading Discussion in Classroom", Lecture, University of Dammam, March 5, 2015.
"Alternative & Effective Assessment Methods, Lecture, University of Dammam, February 12, 2015.
"Analyzing and Reading Test Results Workshop", University of Dammam, January 5, 2015.
"Teaching for Creativity and Innovation" International workshop, University of Dammam, November 17 and 18, 2014.
"Using Multiple Choice Items to test Higher-Order Thinking Skills", Lecture, University of Dammam, October 23, 2014.
"Checklist of Activities towards Academic Accreditation", Lecture, University of Dammam, September 17, 2014.
"Course Portfolio", Lecture, University of Dammam, September 18, 2014.
"Students' Learning Outcomes", Lecture, University of Dammam, May 27, 2014.
"Advanced Teaching strategies in Higher Education", International workshop, University of Dammam, April 28 - April 29, 2014.
"Enhancing learning through the use of technology", April 23, 2015.
Time management, University counselling center, IAU, 31 March 2015
Health awareness lecture "Ebola virus disease", College of clinical pharmacy, IAU, April 7, 2015
How to write a scientific proposal, 25 March 2013, Faculty of pharmacy, Suez Canal University, Ismailia, Egypt.
"Strategic Planning", Faculty of pharmacy, Suez Canal University, Ismailia, Egypt.
"New trend of preventing public food poisoning nationwide", 5 November, 2012, Faculty of pharmacy, Suez Canal University, Ismailia, Egypt.

Honors and Awards

Best researcher award 2018 , April 2018, college of clinical pharmacy, IAU, KSA
Incentive Award for Scientific Publication , Fall 2018, University of Dammam, Eastern Province, KSA
Incentive Award for Scientific Publication , Fall 2016, University of Dammam, Eastern Province, KSA
Incentive Award for Scientific Publication , Spring 2015, University of Dammam, Eastern Province, KSA
Nominated for the gold medal for the best PhD thesis Award , Spring 2012, University of Waterloo, Ontario, Canada
University of Waterloo Doctoral Thesis Completion Award , Winter 2012, University of Waterloo, Ontario, Canada
Graduate Research Studentship , Winter 2012, University of Waterloo, Ontario, Canada
Nominated for the F.W. Karasek Graduate Scholarship, R.H.F. Manske Prize & Bruker BioSpin Graduate Scholarship , Winter 2012, University of Waterloo, Ontario, Canada
UW Special Graduate Scholarship (special award for academic achievements) , Winter 2011, University of Waterloo, Ontario, Canada



UW Special Graduate Scholarship (special award for academic achievements), Spring 2010,
University of Waterloo, Ontario, Canada

Egyptian Government Ph.D. Scholarship, Winter 2008 – Winter 2012

Distinguished Undergraduate Student Award, (1996– 2001), Suez Canal University, Faculty of
Pharmacy, Ismailia, Egypt

Last Update

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