



Curriculum Vitae for Faculty Members

1-Personal Details					
Name	Dr. Khaldun Mohammad Mitlaq Al Azzam				
National ID No. (Jordanian nationals only)	9791057348				
Marital Status	Married				
Job Title	Lecturer	Starting Date	01 Oct 2023		
Number of Years of experience	11				
Faculty	Science	Department	Chemistry		
Nationality	Jordanian	Sex:	Male	Date of Birth	02/02/1979
Phone No.	00962796195880		Place of Birth	Irbid-Jordan	
Email	k.alazzam@ju.edu.jo , azzamkha@yahoo.com , azzamkha@gmail.com				
Address	Jubehaa, Amman				
i10-index	24				

2-Education				
Degree	Field of Study	Institute of Higher Education	Country	Year Obtained
PhD	Analytical Chemistry	University Science Malaysia (USM)	Malaysia	2011
MA /MSc /MBA	Chemical Instrumentation	University Science Malaysia (USM)	Malaysia	2007
BA /BSc	Applied Chemistry	Jordan University of Science and Technology	Jordan	2001
Other (Please Specify)				
Title of MSc Thesis	Separation of Chloroquine and its Enantiomers in Pharmaceuticals Using Capillary Electrophoresis Technique			
Title of PhD Dissertation	Analytical Method Development and Fundamental Studies on the Separation of Drugs Using Capillary Electrophoresis. PhD dissertation resulted in 9 publications			

Ministry of Higher Education and Scientific Research	Educational Credential Assessment from The Jordanian Ministry of Higher Education and Scientific Research for Bachelor, Master, and Doctorate (Date: June17, 2012):
Canadian Certificates Equivalency	Educational Credential Assessment from Canada for Bachelor, Master, and Doctorate (Date: April 28, 2015): Canadian Equivalency: bachelor's degree (four years) Canadian Equivalency: master's degree Canadian Equivalency: Earned Doctorate (Ph.D.)

3-Academic Rank

Academic Rank	Date Rank Awarded		Name of Organization	Country	Dates (from/to Month, Year)	
	Year	Month			From	To
Lecturer	2023	10	The University of Jordan	Jordan	10/2023	Present
Associate Professor	2023	Jan	Al-Ahliyya Amman University	Jordan	01/2023	09/2023
Assistant Professor	2020	Sep	Al-Ahliyya Amman University	Jordan	09/2020	01/2023
Assistant Professor	2016	Sep	Alghad International Colleges for Applied Medical Sciences	Saudi Arabia	09/2016	07/2020
Assistant Professor	2013	Sep	Batterjee Medical College	Saudi Arabia	09/2013	06/2016
Assistant Professor	2012	Sep	Isra University	Jordan	09/2012	09/2013

4- Administrative Experience

Position/Post title	Name of Employer	Dates		Duties
		From	To	
		Year/Month	Year/Month	
Dean Assistant for Postgraduate Studies	Al Ahliyya Amman University/Pharmacy	2021/Sep	2022/Sep	Arranging students' supervision and students' issues
Head of the Preparatory Year Department	Al-Ghad International College for Applied Medical Sciences	2016/Sep	2020/July	Teaching and Administrative

5- Academic Experience				
Position/Post title	Name of Employer	Dates		Duties
		From	To	
		Month/Year	Month/Year	
Associate Professor	Al Ahliyya Amman University	Jan/2023	Sep/2023	Teaching, research, supervision for master's students, and administrative tasks
Assistant Professor	Al Ahliyya Amman University	Sep/2020	Jan/2023	Teaching, research, supervision for master's students, and administrative tasks
Assistant Professor	Al-Ghad International College for Applied Medical Sciences	Sep/2016	July/2020	Teaching, research, and administrative tasks
Visiting Scientist	Dalhousie University Chemistry Department, Canada	June/2017	August/2017	-Researcher (Visiting Scientist) -Conducting scientific research and sharing research experiences with master's students in the Department of Chemistry -Invited speaker at Chemistry Department, Dalhousie University
Assistant Professor	Batterjee Medical College	Sep/2013	June/2016	Teaching, research, and administrative tasks
Assistant Professor	Isra University	Sep/2012	Sep/2013	Teaching, research, and administrative tasks

6- Courses Taught (for Postgraduate students)			
Degree	Field of research	Student Name	Organization
Msc (Chromatography)	Chromatography	(Master's students' class)	University Science Malaysia (USM)

7- Practical Training		
Course Title	Organization	Date
Certificate: Jove	Webinar (Saudi Digital Library)	21/05/2017
Certificate: Platform Training Taylor and Francis	Webinar (Saudi Digital Library)	15/05/2017
Certificate: How to get Published Taylor & Francis	Webinar (Saudi Digital Library)	15/05/2017
Electronic Training on ProQuest Databases (Webinar)	Webinar (Saudi Digital Library)	09/05/2017
Electronic Training on EndNote (Webinar)	Webinar (Saudi Digital Library)	09/05/2017

Electronic Training on BMJ Resources Learn, Practice, Teach	Webinar (Saudi Digital Library)	02/05/2017
Electronic Training on SciFinder	Webinar (Saudi Digital Library)	02/05/2017
Optimizing your Laboratory's Productivity Via Improved Sample Preparation Technique and Advanced Column Technology.	IT Tech Research (M) Sdn Bhd, Malaysia	20/10/2010
3D CE & Chemstation- Familiarization	School of Chemical Sciences, University Science Malaysia, Penang, Malaysia.	29-30/04/ 2008
Operation Training Course on LC-2010 Series, VP Series and Class Agent.	Shimadzu Japan	4-7/08/2003

8- Conferences			
Date	Theme/Subjects	Conference Title	Location
November 15-16, 2023	Multidisciplinary Research (Oral Presentation)	The VI International Practical Internet Conference on "Challenges of Science", dedicated to the 75 th Anniversary of Prof Dr. Bagdaulet Kenzhaliyev on a research topic titled	(Online) Satbayev University, Kazakhstan
September 12 – 13, 2023	Chemistry (Oral Presentation)	Jordanian Chemistry Conference and Exhibition (JCC18-2023)	Hashemite University
July 02 – 06, 2023	Pharmaceutical and Biomedical Analysis (Invited Oral Presentation)	33 rd International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2023)	Ankara University, Türkiye
June 07 – 08, 2023	Multidisciplinary Pharmaceutical Research (Oral Presentation)	The 5 th International Conference of the Faculty of Pharmacy: "Multidisciplinary Pharmaceutical Research"	Jordan University of Science and Technology
May 10 – 12, 2023	Chemistry and Chemical Engineering (Oral Presentation)	Modern Trends in Higher Education and Science in the Field of Chemistry and Chemical Engineering	Al-Farabi Kazakh National University (Online)
March 06 – 08, 2023	Pharmaceutical Chemistry and Analysis (Invited Oral Presentation)	Trends & Methods in Analytical Chemistry TMAC 2023	High Normal School of Bechar (Bechar University), Algeria

May 10-12/2022	Applied Chemistry and Biotechnology (Attendees)	International Conference on Applied Chemistry and Biotechnology ICACB-2022	Al-Balqa Applied University-Faculty of Science, Al Salt-Jordan
May 24-25/2021	Pharmacy (Attendees)	The 6 th Regional Pharmacy Faculty Development Workshop on Best Practices for Planning and Evaluation of Inter-Professional Education - Part 2	Al Ain University (AAU) (Virtual via Zoom)
April 10/2021	Chemistry (Invited Oral Presentation)	Symposium: Novel ideas and advances in chemistry. First International Symposium for Young Chemists (1 ISYC 2021)	Salahaddin University-Erbil Symposium activity (Virtual via Zoom)
June 03-07/2018	Analytical	ASMS Conference on Mass Spectrometry and Allied Topics. Poster title: Rapid and Automated SDS Depletion from Intact Proteins for Top-Down Proteome Analysis	USA (Online)
December 21-22/2014	Analytical (Oral Presentation)	The Macro Trend Conference on Physical and Life Sciences: Paris 2014.	Paris-France
November 21-23/2011	Analytical (Oral Presentation)	The 24 th Regional Symposium of Malaysian Analytical Sciences (SKAM-24).	Langkawi, Malaysia
September 27-29/2011	Extraction Technologies (Oral Presentation)	13 th International Symposium on Advances in Extraction Technologies 2011 (Ex Tech 2011).	Kuala Lumpur, Malaysia
June 23-25/2010	Analytical (Oral Presentation)	3 rd International Conference for Young Chemists (ICYC).	Penang, Malaysia
August 26-28/2009	Separation (Poster Presentation)	Separation Science Singapore Conference.	Biopolis, Singapore
August 11-13/2009	Analytical (Oral Presentation)	10 th Asian Conference on Analytical Sciences (ASIANALYSIS X) 2009/ SKAM 22/ QSEL 4.	Kuala Lumpur, Malaysia
July 01-02/2009	Analytical (Oral Presentation)	2 nd Junior Chemist Colloquium.	Kuching, Malaysia
November 25-27/2008	Analytical (Oral Presentation)	Symposium Kimia Analysis Malaysia (SKAM 21).	Sabah, Malaysia
June 18-20/2008	Analytical (Oral Presentation)	2 nd International Conference for Young Chemists (ICYC).	Penang, Malaysia
May 24-25/2007	Analytical (Oral Presentation)	International Conference on Chemical Sciences (ICCS-2007).	Yogyakarta, Indonesia

9-Publications

Year	Title	Journal	(Authors)	Volume/ Number/Pages
2024	Modification of Petroleum Bitumen with Secondary Polyethylene in the Presence of Vermiculite	Indonesian Journal of Chemistry	K.K Syрманова, Zh. B Kaldybekova, A.B Agabekova, Sh.B Bayzhanova, R.M Tuleyov, <u>Khaldun Mohammad Al Azzam</u> , El-Sayed Negim, Nadia Bounoua	In press
2024	Processing of titanium-containing ores for the production of titanium products: A comprehensive review	Heliyon	Galymzhan Malydybayev, Argyn Korabayev, Rustam Sharipov, <u>Khaldun M. Al Azzam</u> , El-Sayed Negim, Omirserik Baigenzhenov, Aliya Alimzhanova, Mrutyunjay Panigrahi, Roza Shayakhmetova	10(3): E24966
2024	Modification of Xanthan Gum with Styrene and Investigation of its Rheological Properties	Egyptian Journal of Chemistry	P.T. Kuserova; El-Sayed Negim; <u>Khaldun M. Al Azzam</u> ; Zh. S. Mukatayeva; A.K. Baidullayeva; Moshera Samy	67(4): 1-6
2023	Polyurethane as a versatile polymer for coating and anti-corrosion applications: A review	KOMPLEKSNOE ISPOLZOVANIE MINERALNOGO SYRA	Atabekova Z. Yeligbayeva G., <u>Khaldun M. A.</u> , Abdassalam A. Alfergani, Tleugaliyeva Zh., Karabayeva A., Bekbayeva L., Zhetpisbay D.S., Shadin N.A.	331(4):21-41
2024	Analytical Review of Conductive Coatings, Cathodic Protection, and Concrete	KOMPLEKSNOE ISPOLZOVANIE MINERALNOGO SYRA	Ainakulova D.T., Muradova S.R., <u>Khaldun M. Al Azzam</u> , Bekbayeva L.K., Megat-Yusoff P.S.M, Mukatayeva Z.S., Ganjian E., El-Sayed Negim	329(2):92-102
2023	Quantitative analysis of total phenolic and flavonoid compounds in different extracts from ginger plant (<i>Zingiber officinale</i>) and evaluation of their anticancer effect	Pharmacia	Nadeen Waleed Al-Areer, <u>Khaldun M. Al Azzam</u> , Rima H. Al Omari, Ibrahim Al-Deeb, Lyazzat	70(4): 905–919

	against colorectal cancer cell lines		Bekbayeva, El-Sayed Negim	
2024	Stability study of emulsions based on modified xanthan gum	KOMPLEKSNOE ISPOLZOVANIE MINERALNOGO SYRA	Kusherova P.T., Yerzhanov Y.B., Tleugalieva Z.A., <u>Khaldun M. Al Azzam</u> , Aidarova S. B., Mohammad Azmi Bustam	42–49328(1):
2023	Preparation, characterization and wound-healing effect of PEGylated nanoliposomes loaded with oleuropein.	Biomedical Chromatography	Alquraishi R, Al-Samydai A, <u>Al Azzam KM</u> , Alqaraleh M, Al-Halaseh L, Sanabrah A, Abu Hajleh MN, Al Khatib A, Alsaher W, Negim ES, Khleifat K.	37:e5716.
2023	Enhancement of apixaban's solubility and dissolution rate by inclusion complex (β -cyclodextrin and hydroxypropyl β -cyclo-dextrin) and computational calculation of their inclusion complexes	ADMET & DMPK	Zainab N. Salman, Israa Al-Ani, <u>Khaldun M. Al Azzam</u> , Bashar JM. Majeed, Hassan H. Abdallah, El-Sayed Negim	11(4):533-550
2023	Synthesis, characterization, and application of polyurethane/2-hydroxyethyl methacrylate hybrids as additives to unsaturated polyester resins.	Polymer Bulletin	El-Sayed Negim, Gulzhakhan Yeligbayeva, <u>Khaldun M. Al Azzam</u> , Galiya Irmukhametova, Lyazzat Bekbayeva, S. N. Kalugin & Saltanat Uskenbayeva	1-17
2023	Effect of Polyethylene Glycol Methyl Ether Methacrylate on the Biodegradability of Polyvinyl Alcohol/Starch Blend Films.	Polymers	Iskalieva A, Yesmurat M, <u>Al Azzam KM</u> , Ainakulova D, Yerbolat Y, Negim ES, Ibrahim MNM, Gulzhakhan Y.	26;15(15):3165.
2023	Formulating co-loaded nanoliposomes with gallic acid and quercetin for enhanced cancer therapy	Heliyon	Al-Samydai A, Al Qaraleh M, <u>Al Azzam KM</u> , Mayyas A, Nsairat H, Abu Hajleh MN, Al-Halaseh LK, Al-Karablieh N, Akour A, Alshaik F, Alshaer W.	9(6): E17267
2023	SwissADME and pkCSM Webservers Predictors: an integrated Online Platform for Accurate and Comprehensive Predictions for In Silico ADME/T Properties of Artemisinin and its Derivatives	Kompleksnoe Ispolzovanie Mineralnogo Syra	<u>Khaldun AL Azzam</u>	325(2): 14–21
2023	Development of new technologies (recipes) to produce pasta with the	Potravinarstvo Slovak Journal of	Gulmaida Karimova, Rimma Niyazbekova,	371–39023(1):

	addition of millet and the determination of organoleptic and physicochemical quality indicators	Food Sciences	<u>Khaldun Al Azzam</u> , Nurbibi Mashanova, El-Sayed Negim, Ainur Ibzhanova	
2023	An Overview of the Current State and Prospects for Oil Recovery from Oily Sludge	Indonesian Journal of Chemistry	Chinakulova Aigerim Nurlankyzy, Niyazbekova Rimma Kalmanbayevna, <u>Khaldun Mohammad Al Azzam</u> , Mukhambetov Gabit Mukhambetovich, Aimagambetova Raushan Zhanatovna, El-Sayed Negim, Serekpayeva Mira	268–27723(1):
2023	ADME Webtool for Analysis of Selected Apple Phytochemical Constituents: A Comprehensive Integrated Online Platform	Kompleksnoe Ispolzovanie Mineralnogo Syra	<u>Khaldun AL Azzam</u> , Rima H. Al Omari	25–31326(3):
2023	Computational Studies on the Thermodynamic and Kinetic Parameters of Unimolecular and Bimolecular Dissociation of Propylene Glycol Ethyl Ether in Binary 1-Butanol and Isobutanol Solvent Mixtures	Egyptian Journal of Chemistry	Rima H. Al Omari, <u>Khaldun M. Al Azzam</u> , Mansour H. Almatarneh, Ahmad A. Ahmad, Asma M. Ghazzya, Asmaa Y. Alnajajrahb, Naeem M. Shalan, Nida O. Karameh, Lyazzat Bekbayeva, El-Sayed Moussa Negim	73–8066(1):
2023	Synthesis and application of nonionic graft copolymers P(mPEG-g-MMA)	Kompleksnoe Ispolzovanie Mineralnogo Syra	M.M. Myrzakhanov, El-Sayed Negim, Mohammad Nasir, <u>K.M. Azzam</u>	64–70324(1):
2022	Synthesis, antimicrobial, SAR, PASS, molecular docking, molecular dynamics, and pharmacokinetics studies of 5'-O-uridine derivatives bearing acyl moieties: POM study and identification of the pharmacophore sites	Nucleosides, Nucleotides & Nucleic Acids	Munia NS, Hosen MA, <u>Azzam KMA</u> , Al-Ghorbani M, Baashen M, Hossain MK, Ali F, Mahmud S, Shimu MSS, Almalki FA, Hadda TB, Laaroussi H, Naimi S, Kawsar SMA.	41(10): 1036–1083
2022	Influence of polyvinyl alcohol-based copolymers on the physico-mechanical properties of the thermal insulation materials	Journal of Chemical Technology and Metallurgy	P.I. Urkimbayeva, B. Bakytzhanuly, L.M. Tugelbayeva, <u>Khaldun M. Al Azzam</u> , Sh.O. Yespenbetova, Mun G.A1, Z.A. Kenessova, E.E.	57(6): 1122–1128

			Dilmukhambetov, El-Sayed Negim	
2022	The effect of mixed fertilizers on the vegetative growth and reproductive characteristics of tomatoes (<i>L. esculentum Mill</i>)	International Journal of Biology and Chemistry	L. Bekbayeva, Z. Zakaria, El-Sayed Negim, <u>K.M. Al Azzam</u> , G. Yelighbayeva	31-4715(1):
2022	Therapeutic Repurposing of Antiviral Drugs Available for COVID-19 Therapy: A Mini Review	Asian Journal of Chemistry	Bounoua, N.; <u>Al Azzam, K. M.</u> ; Aboul-Enein, H. Y.; Rebizi, M. N.; Negim, E. S..	34(8): 1993-1996
2022	Biodegradability of Non-wood Packaging Paper	Egyptian Journal of Chemistry	Ainur Ibzhanova, Rimma Niyazbekova, <u>Khaldun Mohammad Al AZZAM</u> , El-Sayed Moussa Negim, Mira A. Serekpayeva, Orken S. Akibekov	65(10): 131-139
2022	<i>Nigella sativa</i> L. as a potential natural product for the treatment of COVID-19”	Egyptian Journal of Chemistry	<u>Khaldun Al Azzam</u> , Rima Mohammad Al Omari, Adam aburoub, Lyazzat Bekbayeva, El Sayed Moussa Negim, Hassan aboulenein	65(10): 141-151
2022	A novel and simple dynamic coating capillary electrophoresis method for the chiral separation and quantification of mitiglinide enantiomers using hydroxyethyl cellulose as a dynamic coating agent	Die Pharmazie - An International Journal of Pharmaceutical Sciences	<u>Azzam KMA</u>	77(8): 95-102
2022	ADME studies of TUG-770 (a GPR-40 inhibitor agonist) for the treatment of type 2 diabetes using SwissADME predictor: In silico study	Journal of Applied Pharmaceutical Science	<u>K. M. Azzam</u> , E. Negim, H. Aboul-Enein	12(4): 159-169
2022	Modification of Xanthan Gum with Methyl Methacrylate and Investigation of Its Rheological Properties	International Journal of Technology	Tulegenovna, K.P., Negim, E., <u>Azzam, K.M.A.</u> , Bustam, M.A.	13(2): 389-397
2022	Investigation of the Properties of Metallurgical Slags and Dust of Electro Filters to Obtain Protective Anticorrosive Coatings	International Journal of Technology	Serekpayeva, M., Niyazbekova, R., Al Azzam, K.M., Negim, E., Yeleussizova, A., Ibzhanova, A.	13(3): 240-253
2021	Binding Constants Determination of Ofloxacin and Ornidazole	Asian Journal of Chemistry	<u>Khaldun M. Al Azzam</u>	33(7): 1663-1670

	Enantiomers with Sulfated β -Cyclodextrin as Single Ligand by Capillary Electrophoresis using Three Different Linear Plotting Methods			
2021	HPLC Determination of Formaldehyde in Flour Samples using 2,4,6-Trichlorophenyl Hydrazine as Derivatization Reagent	Asian Journal of Chemistry	<u>K. A. Al Azzam</u> , A. Makahleh, B. Saad	33(4): 930-936
2019	Characterization and screening of metals, metalloids and biomarkers in crude oil by ICP-MS/OES, and GC-MS techniques after digestion by microwave-induced combustion	Biomedical Chromatography	Mohammad AK, Hameed AT, Alhamdany MA, <u>Mohammad Al Azzam K</u> , Talk GAA.	33(4): e4481
2019	Molecular identification of diarrheal Aeromonas using immuno magnetic polymerase chain reaction (IM-PCR) technique: A comparative study with conventional culture method	African Health Sciences	Subbaram K, Gatasheh MK, <u>Al Azzam KM</u> , Kannan H.	19(2): 2036-2042
2018	Determination and quantification of the vinblastine content in purple, red, and white Catharanthus roseus leaves using RP-HPLC method	Advanced Pharmaceutical Bulletin	Abdul Rahim R, Ahmad NH, <u>Al Azzam KM</u> , Mat I.	8(1): 157- 161
2017	Development and Optimization of a New Chemoenzymatic Approach for the Synthesis of Peracetylated Lactosamine (Intermediate for the Synthesis of Pharmacologically Active Compounds) Monitored by RP- HPLC Method	Advanced Pharmaceutical Bulletin	Abualassal QI, <u>Al Azzam KM</u> , Abudayeh ZH, Hassouneh LK.	7 (2): 313-321
2017	New, simple, sensitive and validated spectrophotometric method for the determination of salicylhydroxamic acid in its pharmaceutical formulations according to the ICH guidelines	Egyptian Journal of Basic and Applied Sciences	<u>Khaldun Mohammad Al Azzam</u> , Wafaa El Kassed	4 (3): 345-349
2016	Qualitative and Quantitative Content Determination of Macro-Minor Elements in Bryonia Alba L. Roots using Flame Atomic Absorption Spectroscopy Technique	Advanced Pharmaceutical Bulletin	Karpiuk UV, <u>Al Azzam KM</u> , Abudayeh ZH, Kislichenko V, Naddaf A, Cholak I, Yemelianova O.	6 (2): 285-291
2016	Regioselective deprotection of monosaccharide bearing thiocyanomethyl group at the anomeric position monitored by reversed-phase HPLC method and followed by flash chromatography	Biomedical Chromatography	Abualassal Q, <u>Al Azzam KM</u> , Jilani JA.	30: 1416 - 1422
2016	Determination of four major saponins in skin and endosperm of seeds of horse Chestnut	Advanced Pharmaceutical Bulletin	Abudayeh ZH, <u>Al Azzam KM</u> , Naddaf A, Karpiuk UV,	30: 1416 - 1422

	(<i>Aesculushippocastanum</i> L.) using high performance liquid chromatography with positive confirmation by thin layer chromatography		Kislichenko VS.	
2016	Determination and Comparative study of amino acid composition in the seeds, pulp and rind from <i>Citullus colocynthis</i> Fruits	International Journal of Pharmacognosy and Phytochemical Research	Z. Abudayeh, H. R. Lamazian, Petro Sereda, I. Chekman, Ihab Ibrahim Al Khalifa, <u>K. M. Azzam</u> , Loay, Khaled Mohammad Hassouneh	8(3): 433-437
2016	Investigation of age-related changes in lipid levels in the brain and liver tissues extracts of male wistar rats: Extraction, separation, qualitative and quantitative determination	International Journal of Current Research	Loay Khaled Mohammad Hassouneh, Amjad Abuirmeileh, Zead Helmi Mahmoud Abudayeh, <u>Khaldun Mohammad Al Azzam</u> , Qais Abualassal and Uliana Vladimirovna Karpiuk	8(1): 25421-25428
2016	Isolation, identification, and quantification of lectin protein contents in <i>Chamerion Angustifolium</i> L. dried raw material and the study of its activity using rat erythroagglutination	International Journal of Pharmacy and Pharmaceutical Sciences	Abudayeh, Z. H. M., <u>K. M. Al-Azzam</u> , U. V. Karpiuk, L. K. Hassouneh, and A. Abuirmeileh	8(2): 150-153
2016	Recent advances in analysis of hazardous genotoxic impurities in pharmaceuticals by HPLC, GC and CE	Journal of Liquid Chromatography and Related Technologies	<u>Khaldun M. Al Azzam</u> , Hassan Y. Aboul-Enein	39 (1):1-7
2015	Host-guest inclusion complexes between amlodipine enantiomers in biphasic recognition chiral extraction system using tartaric acid and β -cyclodextrin derivatives as positive confirmation using of their enantioselective extraction.	Scientia Pharmaceutica	<u>Al Azzam KM</u> , Abdallah HH, Halim HN, Ahmad MA, Shaibah H.	83: 683-698
2015	Host-guest inclusion complexes between mitoglinide and the naturally occurring cyclodextrins α , β , and γ : A theoretical approach	Advanced Pharmaceutical Bulletin	<u>Al Azzam KM</u> , Muhammad E.	5(2): 289-291
2015	A Comparative Study of the Contents of Cadmium and Chromium in Leaves of Seventeen Kinds of Road Greening Trees	World Journal of Analytical Chemistry	Liu Bing, Yong Zhou, Ye Li, <u>Khaldun M. Al Azzam</u> , Hassan Y. Aboul-Enein	3 (1A): 1-5
2015	Analysis of essential oil in <i>Sophora japonica</i> L. flower buds on different stages of development by gas	World Journal of Analytical Chemistry	Zead Helmi Mahmoud Abudayeh, <u>Khaldun M. Al Azzam</u> , Iryna	3(1A): 15-20

	chromatography-mass spectrometry		Semenivna Cholak, Uliana Vladimirovna karpiuk, Ahmad Naddaf, Hassan Y. Aboul-Enein	
2015	Effect of Vitamin C on Blood Glucose and Glycosylated Hemoglobin in Type II Diabetes Mellitus	World Journal of Analytical Chemistry	Ashraf kotb, <u>Khaldun M. Al Azzam</u>	3 (1A): 6-8
2014	Analysis of essential oil in Jerusalem artichoke (<i>Helianthus tuberosus</i> L.) leaves and tubers by gas chromatography-mass spectrometry	Advanced Pharmaceutical Bulletin	Helmi Z, <u>Al Azzam KM</u> , Tsymbalista Y, Ghazleh RA, Shaibah H, Aboul-Enein H.	4(Suppl2): 521-526
2014	Development and Validation of a Stability-Indicating Capillary Electrophoresis Method for the Determination of Zolpidem Tartrate in Tablet Dosage form with Positive Confirmation Using 2D and 3D-DAD Fingerprints	Scientia Pharmaceutica	<u>Al Azzam KM</u> , Yit LK, Saad B, Shaibah H.	82: 341-356
2012	Micellar electrokinetic chromatography method for the simultaneous determination of furanic compounds in honey and vegetable oils	Talanta	Foo Wong Y, Makahleh A, <u>Al Azzam KM</u> , Yahaya N, Saad B, Sulaiman SA.	97: 23-31
2012	The processes of complex formation on inter phase boundary butanol/water with participation of vinylbutyl ether – maleic anhydride copolymer and polydimethylaminoethylmethacrylate	International Journal of Biology and Chemistry	S. N. Rahadilova, Z. K. Zhatkanbaeva, G. A. Mun, E. M. Shaikhutdinov, <u>Khaldun M. Al Azzam</u> , El-Sayed M. Negim	3: 54-57
2011	Stability-indicating micellar electrokinetic chromatography method for the analysis of sumatriptan succinate in pharmaceutical formulations	Journal of Pharmaceutical and Biomedical Analysis	<u>Al Azzam KM</u> , Saad B, Tat CY, Mat I, Aboul-Enein HY.	56: 937-943
2010	Enantioselective analysis of ofloxacin and ornidazole in pharmaceutical formulations by capillary electrophoresis using single chiral selector and computational calculation of their inclusion complexes	Analytica Chimica Acta	<u>Al Azzam KM</u> , Saad B, Adnan R, Aboul-Enein HY.	674: 249-255
2010	Determination of the binding constants of modafinil enantiomers with sulfated β -cyclodextrin chiral selector by capillary electrophoresis using three different linear plotting	Electrophoresis	<u>Al Azzam KM</u> , Saad B, Aboul-Enein HY.	31: 2957-2963

	methods			
2010	Hollow fiber liquid phase microextraction for the determination of trace amounts of rosiglitazone (anti-diabetic drug) in biological fluids using capillary electrophoresis and high performance liquid chromatographic methods	Journal of Chromatography A	<u>Al Azzam KM,</u> Makahleah A, Saad B, Mansor SM.	1217: 3654-3659
2010	Simultaneous determination of atenolol and amiloride in pharmaceutical preparations by capillary zone electrophoresis with capacitively coupled contactless conductivity detection	Biomedical Chromatography	<u>Al Azzam KM,</u> Saad B, Aboul-Enein HY.	24: 948-953
2010	Simultaneous determination of atenolol, chlorthalidone and amiloride in pharmaceutical preparations by capillary zone electrophoresis with ultraviolet detection	Biomedical Chromatography	<u>Al Azzam KM,</u> Saad B, Aboul-Enein HY.	24: 977-981
2010	Determination of Propionates and Propionic Acid in Bakery Products Using Gas Chromatography	International Food Research Journal	<u>Khaldun M. Al Azzam,</u> ,Bahrudin, S., Noor Hasani Hashim., Afidah Abdul Rahim. and Khairuddin Mohd Talib	17: 1107-1112
2010	Assay and Stability-indicating Capillary Zone Electrophoretic Method for the Determination of Modafinil in Bulk and Its Pharmaceutical Preparations	Journal of Liquid Chromatography and Related Technologies	<u>Khaldun M. Al Azzam,</u> Bahrudin Saad, Hassan Y. Aboul-Enein, Abdalla A. Elbashir	33: 167 – 178
2010	Assay and stability-indicating micellarelectrokinetic chromatography method for the simultaneous determination of valacyclovir, acyclovir and their major impurity guanine in pharmaceutical formulations	Biomedical Chromatography	<u>Al Azzam KM,</u> Saad B, Makahleah A, Aboul- Enein HY, Elbashir AA.	24: 535-543
2009	Enantioselective determination of modafinil in pharmaceutical formulations by capillary electrophoresis, and computational calculation of their inclusion complexes	Microchimica Acta	<u>AL Azzam, K.M.,</u> Saad, B., Adnan, R. , Muhammad Idris Saleh	166: 311-317
2009	Simultaneous Determination of Atenolol and Chlorthalidone in Pharmaceutical Preparations by Capillary-Zone Electrophoresis	Analytical Letters	<u>Khaldun Al Azzam,</u> Abdalla A. Elbashir, Mohammed A. Elbashir, Bahrudin Saad, Shafida	42: 1458-1470

			Abdul Hamid	
2008	Validated Stability Indicating Assay of Gemifloxacin and Lomefloxacin in Tablet Formulations by Capillary Electrophoresis	Journal of Liquid Chromatography and Related Technologies	Abdalla A. Elbashir, Bahruddin Saad, Abdussalam Salhin Mohamed Ali, Khaldun M. M. Al-Azzam , Hassan Y. Aboul-Enein	31: 1465 -1477

10-Ongoing Projects		
No.	Title	Status
1	Crude oil analysis using GC-FID and biodegradation (Iraq Refinery)	In progress
2	Ginger crude extracts screening using GC-MS	In progress
3	Under preparation	In progress (International project -AL-Farabi Khazakh University)

11-Master's Students Supervision			
Year	Thesis Title	Students Name	Status
2023	Synthesis and Characterization of Mitiglinide Loaded β , γ -Cyclodextrins /Alginate Nanoparticles as a Novel Drug Delivery System Against Lung Cancer and Theoretical Calculation of their Inclusion Complexes	Qammar Abadi	Graduated
2023	Formulation and Evaluation of Retinol, Hyaluronic Acid and Ceramides as Nanoemulsion Cream for Skin Care	Naba Altikreti	Graduated
2022	Preparation, Characterization, and Wound Healing Effect of PEGylated Nano-liposomes loaded with Oleuropein.	Rand Alqurashi	Graduated
2022	Improvement of Solubility and Dissolution Rate of Apixaban by Inclusion Complex (β -Cyclodextrin and Hydroxypropyl β -Cyclodextrin)	Zainab Salameh	Graduated
2022	Quantitative Analysis of Total Phenolic and Flavonoid Compounds in Different Ginger Species and Evaluation of their Effect against Colorectal Cancer Cell Lines	Nadeen Areer	Graduated

12-Books authored, translate, or edited.

Year	Title	Publisher	Country	Number of Pages
2012	Khaldun Mohammad Mitlaq Al Azzam, Bahruddin Saad. "Determination of Drugs Using Capillary Electrophoresis". Pages (232), Published on 26/04/2012. (ISBN 978-3-8484-8292-4).	Lambert Academic Publishing GmbH & Co. KG	Germany	232
2009	Khaldun Mohammad Mitlaq Al Azzam, Bahruddin Saad. "Chiral Separation, Capillary Electrophoresis, Separation of Chloroquine and its Enantiomers in Pharmaceuticals using Capillary Electrophoresis Technique". Pages (96), Published on 19/11/2009. (ISBN 978-3-639-21072-9).	VDM Publishing-House Ltd.	Germany	96

13-Chapters in Edited Volumes					
Year	Book Title	Publisher	Country	Pages	Refereed (Yes/ No)
2013	Clinical Applications of Capillary Electrophoresis, Methods and Protocols. Chapter title: "Simultaneous determination of atenolol and amiloride by CZE with capacitively coupled conductivity detection", Editors: Phillips , Terry M., Kalish , Heather (Eds.). ISBN 978-1-62703-028-1.2013	Springer	USA	67-78	Yes

14-Memberships in Professional Organizations		
Name of Organization	Country	Year
Editorial Board Member: Komplexone Ispolzovanie Mineralnogo Syra,	Kazakhstan	2022
Editor-in-Chief: International Journal of Natural and Human Sciences	Australia	2020
Associate Editorial Board Member: Current Pharmaceutical Analysis, Bentham Science	United Arab Emirates	2021
Editorial board member: Journal of Analytical Chromatography and Spectroscopy	USA	2020
Editorial Board Position: International Journal of Multidisciplinary Sciences and Advanced Technology	Jordan	2020
Bentham Brand ambassador: Bentham Science Publishers	United Arab Emirates	2019
Editorial Board Position: SCIREA Journal of Chemistry, (Science Research Association Publishing)	USA	2019

Associate Editor Position: Journal of Nanomedicine Research, (MedCrave)	USA	2018
Asian Advanced Materials Congress (ASAMC)” (www.vbripress.org/asamc)	Singapore	2017
Editorial Board Position: International Journal of Chromatography and Separation Techniques, (Gavin Publishers)	USA	2017
Reviewer Board Position: Journal of Food and Nutrition Research, (Science and Education Publishing)	USA	2016
Reviewer Board Position: American Journal of Food Science and Technology, (Science and Education Publishing)	USA	2016
Editorial board member: Journal of Physical Science and Environmental Studies (JPSES)	USA	2016
Invited to act as a member of advisory/organizing committee of “Asian Advanced Materials Congress (ASAMC)” (www.vbripress.org/asamc) July 04, 2016. It was held on 11 – 16 March 2017 (Diamond Princess Cruises, Singapore).	Singapore	2016
Reviewer Board Position: International Journal of Chemistry, Canadian Center of Science and Education	Canada	2017
Asia-Pacific Chemical, Biological & Environmental Engineering Society (ABCBEES), membership # 201500	USA	2015
Reviewer Board Position: International Journal of Pharmacognosy and Phytochemical Research, (India Publishers In-IJPPR 1/14, Housing Board Devipura, Sikar, Rajasthan)	India	2015
Editorial Board Position: International Journal of Chemistry, Canadian Center of Science and Education	Canada	2015
Editorial Board Position: World Journal of Pharmacy and Biotechnology, Pharma Research Library	India	2015
Editorial Board Position: International Journal of Basic and Applied Chemical Sciences (JCS), (CIBTech)	India	2015
A certified reviewer: Journal of Chromatography A, (Elsevier)	The Netherlands	2015
Reviewer Board Position: American Journal of Pharmaceutical Sciences and Nanotechnology, (Columbia International Publishing)	USA	2015
Lead Guest Editor: International Journal of Pharmacy and Chemistry/ Special Issue: Analytical, Bioanalytical, Pharmaceutical and Computational Chemistry, (Science Publishing Group)	USA	2015
Chief Guest Editor: World Journal of Analytical Chemistry/ Special Issue: Recent Development of Pharmaceutical and Biomedical Analysis, (Science and Education Publishing)	USA	2014
Reviewer Board Position: World Journal of Analytical Chemistry, (Science and Education Publishing)	USA	2014

15-Committees		
Committee	Name of Organization	Dates

Postgraduate Studies Committee	Al Ahliyya Amman University	09/2021
Accreditation Council for Pharmacy Education (ACPE) Committee	Al Ahliyya Amman University	09/2021
Examinations Committee	Al Ahliyya Amman University	09/2020

16-Awards		
Award	Institution	Year
World Scientist and University Rankings 2023 (AD Scientific Index) Ranking for Scientist	Listed among the listed scientist (Rank # 5 on Al Ahliyya Amman University)	2023
World Scientist and University Rankings 2022 (AD Scientific Index) Ranking for Scientist	Listed among the listed scientist (Rank # 4 on Al Ahliyya Amman University)	2022
World Scientist and University Rankings 2021 (AD Scientific Index) Ranking for Scientist	Listed among the listed scientist (Rank # 4 on Al Ahliyya Amman University)	2021
Certificate of Reviewing	The editors of Biomedical Chromatography/Wiley, USA	2020, 2021
Certificate of Reviewing	The editors of Journal of Food Science/Wiley, USA	2021
Certificate of Reviewing	The editors of Chirality/Wiley, USA	2020
Certificate of Outstanding Contribution in Reviewing	The editors of Food Research International/Elsevier, Amsterdam, The Netherlands	2018
Certificate of Outstanding Contribution in Reviewing	The editors of Journal of Chromatography A/Elsevier, Amsterdam, The Netherlands	2015
Certificate of Outstanding Contribution in Reviewing	The editors of Talanta/Elsevier, Amsterdam, The Netherlands	2015
University Science Malaysia, the Recognition by USM for Excellence Achievement in Research Area (Journal Publication) for the year 2010. (Sanggar Sanjung Awards 2011): (Publication Category).	Universiti Sains Malaysia	2010

17- Reviewed Papers

No.	Journal Name	Impact Factor	Publishing Unit	Number of manuscripts reviewed
1	Journal of Applied Pharmaceutical Science	1.38	Open Science Publishers LLP	1
2	Journal of Chromatography A	4.582	Elsevier	39
3	Talanta	3.511	Elsevier	46
4	Analytical Letters	1.019	Taylor & Francis	11
5	Electrophoresis	3.028	Wiley Online Library	1
6	Chirality	1.886	Wiley	4
7	Journal of Separation Science	2.737	Wiley	2
8	Journal of Food and Nutrition Research	0.60	Science and Education Publishing	2
9	International Journal of Chemistry	NA	Canadian Center of Science and Education	39
10	International Journal of Pharmacy and Pharmaceutical Sciences	0.55	Innovare Academic Sciences Pvt. Ltd	12
11	Journal of Nanomedicine Research	NA	MedCrave Publishing Group	51
12	African Journal of Food Science	NA	Academic Journals	1
13	Current Pharmaceutical Analysis	0.923	Bentham Science	12
14	Journal of Physical Science and Environmental Studies (JPSES)	NA	Pearl Research Journal	1
15	American Journal of Pharmaceutical Sciences and Nanotechnology	NA	Columbia International Publishing	2
16	Advancement in Medicinal Plant Research	NA	Net Journals	1
17	International Journal of Pharmacy and Chemistry	NA	Science Publishing Group	1
18	Malaysian Journal of Pharmaceutical Sciences	Evaluation Pending	University Science Malaysia Press	1
19	Journal of Food Science	1.775	John Wiley & Sons	2
20	Biochemistry and Biotechnology Research	NA	Net Journals	1
21	African Journal of Food Science	NA	Academic Journals	1
22	Advanced Pharmaceutical Bulletin	2.01	Drug Applied Research Center and Faculty of Pharmacy, Tabriz University of Medical Sciences	10
23	Food Research International	3.86	Elsevier	32
24	Current Nanomedicine	NA	Bentham Science	2
25	Al-Mustansiriyah Journal of Science	NA	The college of science, Mustansiriyah University, Baghdad, IRAQ	1
26	International Journal of Experimental Spectroscopic Techniques	NA	/USA Vibgyor Epress	1

72	Current Drug Delivery	2.516	Bentham Science	18
28	Bulletin of the Chemical Society of Ethiopia	0.83	African Journals Online (AJOL)	3
29	Environment, Development and Sustainability	1.379	Springer	11
30	Current Pharmaceutical Design	2.757	Bentham Science	5
31	Pharmacognosy Journal	NA	OJS/Bengaluru	1
32	Mediterranean Journal of Chemistry	1.452	University of Ibn Tofail Faculty of Sciences Kenitra Morocco	1
33	International Journal of Chromatography and Separation Techniques	NA	Gavin Publishers	1
34	Biomedical Chromatography	1.748	Wiley Online Library	1
35	Journal of Molecular Liquids	4.561	Elsevier	1
36	Acta Chimica Slovenica	1.076	Slovenian Chemical Society	1
37	Malaysian Journal of Pharmaceutical Sciences	NA	Universiti Sains Malaysia	1
38	Journal of Taibah University for Science	1.863	Taibah University	4
38	Water, Air, & Soil Pollution	1.900	Springer	1
40	Egyptian Pharmaceutical Journal	NA	Egyptian National Research Centre	1
41	Journal of Food Science	2.479	Wiley Online Library	1
42	Annales Pharmaceutiques Françaises	NA	Elsevier	1
43	Chemical Papers	2.097	Springer	2
44	Malaysian Journal of Analytical Sciences	0.028	Malaysian Analytical Sciences Society	1
45	KOMPLEKSNOE ISPOLZOVANIE MINERALNOGO SYRA	NA	JSC "Institute of Metallurgy and Ore Beneficiation", Satbayev University	6
Total manuscripts reviewed				338

18- Research Interests
Analytical applications, separation of chiral compounds. In the context of analytical separations, “green” refers to approaches that result in one or combination of the following: (i) minimization of use of solvents, (ii) faster analytical separations and analysis time, and (iii) simpler procedures such as elimination of derivatization reagents.
Another area of interest is the use of capillary electrophoresis, particularly in the separation of chiral molecules and the bioavailability of racemic or chiral drugs in biological fluids samples.
Microextraction techniques.
Developing new microextraction approaches and eco-environmentally friendly methods using analytical green chemistry concepts.
Chromatographic separation techniques for analysis of different types of samples.
Protein Separation, and polymer science (new areas)

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19- Social Activities & Interests
<p>NAHNU platform - the national platform for youth volunteering and participation Filling out a questionnaire to protect the family 3 Participation in a life skills study 2022/08</p>
<p>Free medical day - Zee Charitable Society - Salt -The Faculties of Allied Medical Sciences and Pharmacy at Al-Ahliyya Amman University, in cooperation with the Zee Charitable Society, organized last Wednesday a free medical awareness day to serve the local community, such as the safe use of chemical detergents, the safe use of medicinal herbs, and so on</p>
<p>Participation in the organization of the second annual Jordanian chemical festival in cooperation with the American Chemical Society: Department of Chemistry at the University of Jordan The Second Chemical Festival (University of Jordan) Al-Ahliyya Amman University participated in the activities of the second chemical festival, with the support of the Jordan Chemical Society and the American Chemical Society, Jordan Branch, under the title "Chemistry Protects Our Health", which was held on the campus of the University of Jordan - Department of Chemistry on Thursday, 04/11/2021, in the presence of the Vice President of the University of Jordan for The scientific colleges of Dr. Inaam Khalaf The festival included an exhibition of scientific experiments carried out by the students of the department in cooperation with their colleagues who specialize in chemistry or their lovers in some public and private schools in order to communicate concepts and chemical information to different age groups in an attractive and practical manner, in addition to presentations by some companies concerned with industries that depend their products on chemistry 2021-04-11</p>
<p>Participation in the virtual scientific forum entitled Corona pandemic, challenges, and future. Participation in the virtual scientific forum entitled Corona pandemic, challenges, and future. One of the results of the forum is to increase knowledge of the Corona pandemic and how to confront it and its negative effects in the future and how to confront it. 2021/02/16-14</p>
<p>Synchrotron light: a powerful tool for scientific research The Synchrotron Center (SESAME) was established as the first global center of excellence in scientific research in the Middle East, similar to the European Organization for Nuclear Research (CERN) in Europe. Balqa Governorate The center's accelerator produces synchrotron light that will be used in scientific research, education, and training through a number of beams including X-rays, ultraviolet and infrared rays. This center includes physics, chemistry, biology, archeology, environment, materials science and various applications in agriculture, engineering, pharmacy, medicine, and industry. 2021-16-12</p>
<p>AnalyticaOne Trading Company Assisting in finding scientific solutions in analytical chemistry to problems of analysis and chemical analyzers Academic year 2021/2022 until now</p>

20- Languages
Arabic
English

21- Referees
Professor Alan Doucette, Chemistry Department, Dalhousie University, Halifax, Nova Scotia, Canada, mobile no +9024943714, alan.doucette@dal.ca
Professor Bahruddin Saad, (Current place) Fundamental and Applied Sciences Department, 20-03-23, University Teknologi Petronas, 32610 Seri Iskandar, Perak Darul Ridzuan, Malaysia (Previous place) School of Chemical Sciences University Science Malaysia, 11800 Penang, bahruddin.saad@utp.edu.my bahrud@usm.my
Professor Rohana Adnan, School of Chemical Sciences University Science Malaysia, 11800 Penang, Malaysia. Mobile no +60135262362, r_adnan@usm.my
Professor Hassan Y.Aboul-Enein, Pharmaceutical and Medicinal Chemistry Department, National Research Centre Tahrir Street, Dokki, Cairo 12311 – Egypt. Mobile +201003678948, haboulenein@yahoo.com
Dr. Hassan Shaibah, Dean of Batterjee Medical College (BMC), Jeddah, Saudi Arabia previously. Currently working in Alfaisal University, and Umm Al-Qura University, Saudi Arabia, hsshahbah@uqu.edu.sa, hshaibah@gmail.com
Professor Wan Aini Wan Ibrahim, Department of Chemistry, Faculty of Science, University Teknologi Malaysia (UTM), Johor Bahru, Malaysia. Mobile no +60197173940, wanaini@kimia.fs.utm.my ; waini@utm.my
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Web of Science ResearcherID is U-3300-2019 (Publons)

Researcher ID: C-4320-2016

Declaration:

I declare that the particulars furnished above are true to the best of my knowledge and belief. All the information presented in this resume is documented. Should you require any further information, it is my pleasure to provide the same.

Yours Sincerely,

Dr. Khaldun Mohammad Al Azzam

Updated on: 04/02/2024.