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ALA' Y SIRHAN



PERSONAL INFORMATION

Title: Assistant Professor

Academic Rank: Assistant Professor

Date & Place of Birth: 1972 Saudi Arabia

Nationality: Jordanian

Address: Amman- Jordan

Phone No.:

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ACADEMIC QUALIFICATIONS

Degree	Major	University	Country
PhD	Analytical Chemistry	University of Malaya	Malaysia
MSc	Analytical Chemistry & Instrumental Analysis	University of Malaya	Malaysia
BSc	Chemistry	Mu'tah University	Jordan
Diploma	Pharmacy	AlQadesiyah College	Jordan

دائرة الموارد البشرية
Human Resources Department

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2020-present	Assistant Professor	Amman Arab University	College of Pharmacy	Jordan
2018-2019	Assistant Professor	Amman Arab University	College of Pharmacy	Jordan
2016-2018	Assistant Professor	Applied Science University	Department of Basic Science	Jordan
2013-2016	Assistant Professor	Batterjee Medical College	College of Pharmacy	Saudi Arabia
2012-2013	Assistant Professor	Isra' University	College of Pharmacy	Jordan

OTHER EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2001 – 2009; 2018 – 2020	Senior Analytical Chemist	Jordan Food and Drug Administration	Quality Control Laboratory (QCL)	Jordan
2009 –2012	Research Assistant	University of Malaya	Faculty of Science	Malaysia

PUBLICATIONS

JOURNALS				
Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
<ul style="list-style-type: none"> • Sirhan, A. Y., ... (2024). Development of a HPLC-UV Method for four(4) PDE5 Inhibitors Determination in Honey-Mixed Herbal. Reviews in Analytical Chemistry. Under review. • Sirhan, A. Y., ... (2024). Optimized HPLC-UV methodology for the simultaneous quantification of multiple preservatives in Jordanian yogurt products. Jordan Journal of Pharmaceutical Sciences. Accepted. • Sirhan, A. Y., Alrashdan, Y, Al-Ebini, Y., Hassouneh, L., Ghrear, T., & Abdulra'uf, L. (2024). Comparative Analysis of Histamine in Fresh and Processed Fish Sold in Jordanian Market. Jordan Journal of Pharmaceutical Sciences. Accepted. • Abudayeh, Z., ..., Sirhan, A. Y. (2024). Bryonia Alba L.-A Prospective Medicinal Plant of the Cucurbitaceae Family. Farmacia, Accepted. • Jarrar, Q., ..., Sirhan, A. Y. (2024). Unveiling the Antinociceptive Mechanisms of Methyl-2-(4-chloro-phenyl)-5-benzoxazoleacetate: Insights from Nociceptive Assays in Mice. European Review for Medical and Pharmacological Sciences, Accepted. • Sirhan, A. Y., Alrashdan, Y, Najdawi, M., Hassouneh, L., Talhouni, A, Abuirmeileh, A., Jarrar, Q., Ayoub, R., Abdulra'uf (2023). Determination of Ochratoxin A Content of 90 Spice and Herb Samples using ELISA Method. Journal of Medicine and Life, 16(9), 1393-1399. • Junaid, A... Sirhan, A. Y. (2023) Development of QuEChERS/HPLC technique for the determination of veterinary drug residues in beef samples. Songklanakarin Journal of Science & Technology, 45(5), 599-604. • Hassouneh, L... Sirhan, A. Y. (2023) Acetylcysteine modulates sphingolipid levels by inhibiting neutral sphingomyelinase during aging in rat tissues. Acta Poloniae Pharmaceutica - Drug Research, 80(1), 45-51. • Alrashdan, Y, Aljaf, K., Najdawi, M., Sirhan, A. Y. (2023). Occult Hepatitis B in Blood Donation Centers. Journal of Medicine and Life, 16(4), 571-578. • Sirhan, A. Y., Alrashdan, Y, Mostafa, A., Talhouni, A., & Al-Ebini, Y. (2023). Optimization and Validation of an HPLC-UV Method for the Determination of Vardenafil, Sildenafil, and Tadalafil in Honey-Mixed Herbal Sachets Using a Design of Experiment. Jordan Journal of Pharmaceutical Sciences. 18(3), 148-162. • Viswanadhan Vasantha, P... Sirhan, A. Y. (2023) Combination of Cellulose Derivatives and Chitosan-Based Polymers to Investigate the Effect of Permeation Enhancers Added to In Situ Nasal Gels for the Controlled Release of Loratadine and Chlorpheniramine. Polymers, 15(5), 1206. 				

- Abdulra'uf, L. B., **Sirhan, A. Y.**, & Tan, G. H. (2020). Review of Ionic Liquids in Microextraction Analysis of Pesticide Residues in Fruit and Vegetable Samples. *Chromatographia*, 83, 11–33.
- **Sirhan, A. Y.**, Wong, R. C. S., Abdulra'uf, L. B., Abd Aljabar, J., Mostafa, A., & Talhouni, A. (2019). Quantitative Determination of ethanol in “Alcohol-Free” beverages, energy drinks and fruit juices by Gas Chromatography. *Asian Journal of Agriculture and Biology*, 7 (2), 1-1.
- **Sirhan, A. Y.** (2018). Optimization and Validation of an HPLC-UV Method for determination of benzoic acid and sorbic acid in yogurt and dried-yogurt products using a design of experiment, *Indonesian Journal of Chemistry*, 18 (3), 522-530.
- **Sirhan, A. Y.**, Abdulra'uf, L. B., Mostafa, A., Talhouni, A., & Al-Ebini, Y. (2018). Development and validation of an RP-HPLC method for simultaneous determination of sorbic acid, benzoic acid, and natamycin in domestic yogurt in Jordan. *International Journal of Applied Engineering Research*, 13 (7), 4693-4701.
- Abdulra'uf, L. B., **Sirhan, A. Y.**, & Tan, G. H. (2015). Applications of Experimental Design to the Optimization of Microextraction Sample Preparation Parameters for the Analysis of Pesticide Residues in Fruits and Vegetables. *Journal of AOAC International*, 98 (5), 1171-1185.
- **Sirhan, A. Y.**, Tan, G. H., & Wong, R. C. S. (2014). QuEChERS -HPLC Method for Aflatoxin Detection of Domestic and Imported Food in Jordan. *Journal of Liquid Chromatography & Related Technologies*, 37 (3), 321-342.
- **Sirhan, A. Y.**, Tan, G. H., & Wong, R. C. S. (2013). Determination of Aflatoxins in Food using Liquid Chromatography Coupled with Electrospray Ionization Quadrupole Time of Flight Mass Spectrometry (LC-ESI-QTOF-MS/MS). *Food Control*, 31 (1), 35-44.
- Abdulra'uf, L. B., **Sirhan, A. Y.**, & Tan, G. H. (2012). Recent Developments and Applications of Liquid Phase Microextraction in Fruits and Vegetable Analysis. *Journal of Separation Science*, 35 (24), 3540-3553.
- **Sirhan, A. Y.**, Tan, G. H., & Wong, R. C. S. (2012). QuEChERS extraction and HPLC-FLD determination of Ochratoxin A in cereals and cereal Products. *Asian Journal of Chemistry*, 24(10), 4551- 4554.
- **Sirhan, A. Y.**, Tan, G. H., & Wong, R. C. S. (2012). Simultaneous detection of type A and type B trichothecenes in cereals by liquid chromatography coupled with electrospray ionization quadrupole time of flight mass spectrometry (LC-ESI-QTOF-MS/MS). *Journal of Liquid Chromatography & Related Technologies*, 35, 1945–1957.
- **Sirhan, A. Y.**, Tan, G. H., & Wong, R. C. S. (2011). Method Validation in the Determination of Aflatoxins in Noodle Samples using the QuEChERS Method (Quick, Easy, Cheap, Effective, Rugged and Safe) and High Performance Liquid Chromatography Coupled to a Fluorescence Detector (HPLC-FLD). *Food Control*, 22(12), 1807-1813.
- Khayamian, T., Tan, G. H., **Sirhan, A.**, Siew, Y. F., & Sajjadi, S. M. (2009). Comparison of Three Multi-Way Models for Resolving and Quantifying Bifenthrin and Tetramethrin using Gas Chromatography-Mass Spectrometry. *Chemometrics and Intelligent Laboratory*

Systems, 96(2), 149-158.

CONFERENCES

Author/s (In Order)	Title	Conference	Country	Date
• Sirhan, A. Y., Wong, R. C. S., Mohammad, Y. M., Mostafa, A., & Talhouni, A. (2011).	Quantitative Determination of ethanol in “Alcohol-Free” beverages, energy drinks and fruit juices by Gas Chromatography.	Oral presentation and proceeding in International Food Science and Agrotechnology Conference 2018 (IFoSAC 2018), August 7 – 9 th 2018, Universiti Malaysia Terengganu (UMT), Kuala Terenggan, Malaysia.		
• Sirhan, A. Y., Tan, G. H., & Wong, R. C. S. (2011).	Simultaneous detection of type A and type B trichothecenes in cereals by liquid chromatography coupled with electrospray ionization quadrupole time of flight mass spectrometry (LC-ESI-QTOF-MS/MS).	Oral presentation and proceeding in The 13th International Symposium Advances in Extraction Technologies 2011(ExTech 2011), September 27 – 29 th 2011, Putra World Trade Centre, Kuala Lumpur, Malaysia.		
• Sirhan, A. Y., Tan, G. H., & Wong, R. C. S. (2010).	Method Validation in the Determination of Aflatoxins in Noodle Samples using the QuEChERS Method (Quick, Easy, Cheap, Effective, Rugged and Safe) and High Performance Liquid Chromatography Coupled to a Fluorescence Detector (HPLC-FLD).	Oral presentation and proceeding in The Mini-symposium University of Malaya and Wageningen University, 22 nd February 2011, Faculty of Science, University of Malaya, Kuala Lumpur, Malaysia.		
• Sirhan, A. Y., Tan, G. H., & Wong, R. C. S. (2010).	Method Validation in the Determination of Aflatoxins in Noodle Samples using the QuEChERS Method (Quick, Easy, Cheap, Effective, Rugged and Safe) and High Performance Liquid Chromatography Coupled to a Fluorescence Detector (HPLC-FLD).	Poster presentation and proceeding in The 11th EURASIA CONFERENCE, CHEMISTRY CARES, 06-10 th October 2010, The Dead Sea, Jordan.		
• Sirhan, A. Y., Tan, G. H., & Wong, R. C. S. (2010).	Method Validation in the Determination of Aflatoxins in Noodle Samples using the QuEChERS Method (Quick, Easy, Cheap, Effective, Rugged and Safe) and High Performance Liquid Chromatography Coupled to a Fluorescence Detector (HPLC-FLD).	Oral presentation and proceeding in The 6th Mathematics and Physical Science Graduate Congress 2010 (6 th MSPGC 2010), 13– 15 th December 2010, Faculty of Science, University of Malaya, Kuala Lumpur, Malaysia.		
• Sirhan, A. Y. (2009).	Simultaneous Determination of Multi-Mycotoxins and their Metabolites in Cereals By LC/QTOF-MS/MS.	Poster presentation and proceeding in The International Symposium of Forensic Science & Environmental Health 2009, 10-11 th November 2009 , Putra World Trade Centre, Kuala Lumpur, Malaysia		

MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

Jordanian Chemical Society

UNIVERSITY COMMITTEES

WORKSHOPS ATTENDED

Attended several specialized development workshops, such as: - Teaching Methodologies - Short Answer exam preparation; Multiple Choice exam preparation; Intended Learning Outcomes - Quality Assurance - Course portfolio preparation - statistical software (such as Minitab, SPSS, JMP and Unscrambler X).

WORKSHOPS OFFERED

RESEARCH INTERESTS

My research interests lie in the field of analytical separation techniques and multivariate data analysis.

AWARDS RECEIVED

PhD Distinction Thesis Awards.