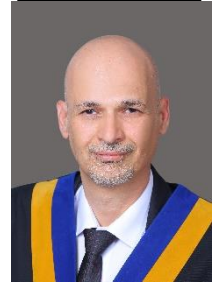


Date .20/10/2020

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.:

e-mail: a.sirhan@aau.edu.jo

### 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

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**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"> <li>• <b>Sirhan, A. Y., ...</b> (2024). Development of a HPLC-UV Method for four(4) PDE5 Inhibitors Determination in Honey-Mixed Herbal. Reviews in Analytical Chemistry. <b>Under review.</b></li> <li>• <b>Sirhan, A. Y., ...</b> (2024). Optimized HPLC-UV methodology for the simultaneous quantification of multiple preservatives in Jordanian yogurt products. Jordan Journal of Pharmaceutical Sciences. <b>Accepted.</b></li> <li>• <b>Sirhan, A. Y., Alrashdan, Y, Al-Ebini, Y., Hassouneh, L., Ghrear, T., &amp; Abdulra'uf, L.</b> (2024). Comparative Analysis of Histamine in Fresh and Processed Fish Sold in Jordanian Market. Jordan Journal of Pharmaceutical Sciences. <b>Accepted.</b></li> <li>• Abudayeh, Z., ..., <b>Sirhan, A. Y.</b> (2024). Bryonia Alba L.-A Prospective Medicinal Plant of the Cucurbitaceae Family. Farmacia, <b>Accepted.</b></li> <li>• Jarrar, Q., ..., <b>Sirhan, A. Y.</b> (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, <b>Accepted.</b></li> <li>• <b>Sirhan, A. Y., Alrashdan, Y, Najdawi, M., Hassouneh, L., Talhouni, A, Abuirmeileh, A., Jarrar, Q., Ayoub, R., Abdulra'uf</b> (2023). Determination of Ochratoxin A Content of 90 Spice and Herb Samples using ELISA Method. Journal of Medicine and Life, 16(9), 1393-1399.</li> <li>• Junaid, A... <b>Sirhan, A. Y.</b> (2023) Development of QuEChERS/HPLC technique for the determination of veterinary drug residues in beef samples. Songklanakarin Journal of Science &amp; Technology, 45(5), 599–604.</li> <li>• Hassouneh, L... <b>Sirhan, A. Y.</b> (2023) Acetylcysteine modulates sphingolipid levels by inhibiting neutral sphingomyelinase during aging in rat tissues. Acta Poloniae Pharmaceutica - Drug Research, 80(1), 45-51.</li> <li>• Alrashdan, Y, Aljaf, K., Najdawi, M., <b>Sirhan, A. Y.</b> (2023). Occult Hepatitis B in Blood Donation Centers. Journal of Medicine and Life, 16(4), 571-578.</li> <li>• <b>Sirhan, A. Y., Alrashdan, Y, Mostafa, A., Talhouni, A., &amp; Al-Ebini, Y.</b> (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.</li> <li>• Viswanadhan Vasantha, P... <b>Sirhan, A. Y.</b> (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</li> </ul>				

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

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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.

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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<sup>th</sup> 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<sup>th</sup> 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<sup>nd</sup> 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<sup>th</sup> 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<sup>th</sup> MPSGC 2010), 13– 15<sup>th</sup> 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<sup>th</sup> 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

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## RESEARCH INTERESTS

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



## AWARDS RECEIVED

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PhD Distinction Thesis Awards.