



## CV

**Sawsan Abuhamdah**, B.Sc, M.Sc., PhD Neuropharmacology

**Associate Professor, Department of Biopharmaceutics and Clinical Pharmacy / Faculty of Pharmacy, University of Jordan, Amman, Jordan**

Jordanian, Fluent English and Arabic, Basic Spanish

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### **Key Words:**

Ten year working for University of Jordan, as an associate professor in Pharmacology, Faculty of Pharmacy, taking on the responsibility for teaching pharmacology and relevant research duties whilst contributing to the strategic application of the department's operational plan at all levels (research, lecturing, tutoring, demonstrating, student supervision. etc). Experienced in organizing, setting course outlines and delivering courses dealing with Pharmacy or Pharmacology at university level for both pharmacy and medical / dental students both undergraduates and postgraduate including the supervision / examining of M.Sc. degree dissertations and the pharmaceutical field training of pharmacy students.

### **Education:**

**Ph.D. in Neuropharmacology**, University of Durham, UK in 2007.

**M.Sc in Pharmaceutical Sciences**, The University of Jordan, Jordan.

**B.Sc in Pharmacy**, The University of Jordan, Jordan.

### **Current Assignment 2007 – Present**

**Al- Ain University, College of Pharmacy, Abu Dhabi, United Arabs of emirates. (Sept 2018- Sept 2021).**  
P.O. Box 112612, Abu Dhabi-UAE Tel. +971-2 4444696 Ext: 228 Fax. 00971-2-4444304.

**Associate Professor (Full time), Department of Biopharmaceutics and Clinical Pharmacy / Faculty of Pharmacy, University of Jordan, Amman, Jordan 2014-present.**

**Lecturing different topics in the field of pharmacology:** Advanced Toxicology for Master students in Clinical Pharmacy Program, Pharmacology I & II for 3<sup>rd</sup> year pharmacy students, Seminar in Pharmacology, Pharmacy training II, Pharmacotherapy I & II for 4<sup>th</sup> year pharmacy students, Toxicology for 5<sup>th</sup> year pharmacy students and demonstrating Pharmacology & Toxicology labs.

**Assistant Professor (Full time), Department of Biopharmaceutics and Clinical Pharmacy / Faculty of Pharmacy, University of Jordan, Amman, Jordan 2007-2014.**

**Publications:**

1. Abuirmeileh, Amjad N. et al. 'Protective Effect of Caffeine and/or Taurine on the 6-hydroxydopamine-induced Rat Model of Parkinson's Disease: Behavioral and Neurochemical Evidence'. *Restorative Neurology and Neuroscience* 1 Jan. 2021: 1 – 9.
2. Mohammed H. Hassan, Sawsan Abuhamdah, Mohamed Abdel-Bary, Mohammed Wahman, Tarek Hamdy Abd-Elhamid, Morris Beshay, Karam Mosallam and Bakheet E.M. Elsadek. Circulating and local nuclear expression of survivin and fibulin-3 genes in discriminating benign from malignant respiratory diseases: correlation analysis. *Bioscience Reports* (2021) volume 41 issue 1, 1-10.
3. **Sawsan Abuhamdah**, Rushdie Abuhamdah, Melanie-Jayne Howes, Georgina Uttley and Paul Chazot 2020. A Molecular Docking Study of Aloysia citrodora Palau. Leaf Essential Oil Constituents towards Human Acetylcholinesterase: Implications for Alzheimer's Disease. *Jordan journal of Biological Sciences*, 2020, supplementary issue 13, 575-580.
4. Yousef Hameed, Sawsan Abuhamdah 2020. Evaluation of Teachers of Communication and Information in Jordan to Address the Jordanian Media for Health Life in Jordan, Survey Study. *International Journal of Innovation, Creativity and Change*. Volume 12, Issue 10, 538-553.
5. Amjad Shatarat, **Sawsan Abuhamdah**, Eman Alefaishat, Mohamed K. Al-Essa, Rima Altaweel, Faisal Mohammed, Darwish H. Badran, Hanan Jafar 2020. Effects of Beta- Carboline Alkaloids of Peganum Harmala on Spontaneous and Induced Rat Ileum Contractions. *Pharmacognosy Journal*. 12(2): 260-265
6. Amjad T. Shatarat, **Sawsan Abuhamdah**, Mohammed K. Al-Essa, Justin Z. Amarin, Faisal I. Mohammed, Darwish H. Badran, Maher T. Hadidi. 2020. Spasmolytic activity of the ethanolic extract and essential oil of Aloysia citrodora Palau. *Studies on Ethno-Medicine* 14(1-2):9-16.
7. Faris Ei-Dahyat, mohammed rashrash, **sawsan.abuhamdah**, rana abufarha and zaheer-ud din babar 2020. Herbal medicines: a cross-sectional study to evaluate the prevalence and predictors of use among Jordanian adults. *Journal of pharmaceutical policy and practice*, 13 (2):2-9.
8. Atatreh N, Al Rawashdah S, Al Neyadi SS, **Abuhamdah SM**, Ghattas MA.(2019). Discovery of new butyrylcholinesterase inhibitors via structure-based virtual screening. *J Enzyme Inhib Med Chem.*( 2019) July ;34(1):1373-1379.

### **Symposium Abstracts:**

- 1st conference on Pharmaceutical Policy and Practice, 2019. Prevalence and predictors of herbal medicines use among Jordanian adults, 28 – 29 August 2019, Concorde Hotel, Shah Alam, Malaysia. (Poster communication).
- 25<sup>th</sup> International Conference on Neurochemistry and Neuropharmacology, 2018. Theme: Challenges & Breakthroughs in Neurochemistry & Neuropharmacology September 17-18, Dubai, UAE. Vanillin Attenuated behavioral impairments, neurochemical deficits in mouse model of Alzheimer's disease (Oral communication).
- International Conference on Pharmacy and Pharmaceutical Sciences 2018. Holiday INN Express, Dubai, United Arabs of emirates, April 9-11. Behavioral and neurochemical alteration induced by vanillin in mouse model of Alzheimer's disease (Oral communication).
- Atatreh N, Al-Rawashdeh S, Abu Hamdah S, Ghattas MA 2018. Discovery of New Butyrylcholinesterase Inhibitors via Structure-Based Drug Design Chemistry Conference for Young Scientists, 21-23 February - Blankenberge (Belgium). (Poster Communication).
- British Pharmacological Society (BPS) meeting 2017 which will be held at Queen Elizabeth II Conference center, London, United Kingdom, Dec 10-14. Behavioral and neurochemical alteration induced by vanillin in mouse model of Alzheimer's disease (Poster Communication).
- 12<sup>th</sup> Annual Pharma Middle East Congress, 2017. Theme: Pharmaceutical Innovations: Much more than just medicine. JW Marriott Hotel in Dubai, UAE, Sept, 25-26. Potential of Melissa officinalis L. essential oil as potential treatment for agitation in people with severe dementia (Oral communication).
- Atatreh N, S. Al Rawashdeh, S. Abuhamdah, M. Ghattas, 2017. Frontiers in Medicinal Chemistry 12<sup>th</sup> February 12-15 in Bern, Switzerland. Drug Design Approach for Discovering New Butyrylcholinesterase Inhibitors (Poster Communication).

### **Professional Training:**

- The sixth Regional Pharmacy Faculty Development Workshop on best practices for planning and evaluation of interprofessional education. 23-26 May 2021 (3 days). American Association of Colleges of Pharmacy (AACP), Accreditation Council for Pharmacy and Education (ACPE) and Al Ain (AAU), Online.

- Webinar Topic Via zoom: Introduction to OSCE (Objective Structured Clinical Examination) and its application in pharmacy. Dr Ejaz Cheema, Birmingham University, UK via Zoom. Thursday, Nov 12, 2020 at 2 pm Abu Dhabi Time, (10:00 AM London Time).
- Webinar Topic Via MS Teams: **How to do online exams using lockdown Brower** Oct 25, 2020 @ 11:00 am, Dubai Time (2 Credit Hours). Moderator: May Yasin (2 Credit hours) IT Department AlAin University, Abu Dhabi campus.
- Webinar Topic Via MS Teams : **Increasing online students' engagements during #covid\_19 ( UAE trials and visions )** , Oct 15, 2020 @ 11:00 am, Dubai Time (2 Hours). Moderator: Dr.Nuha. Hamdah and Dr.Tarik Alamsy from AlAin university, Dr.Abdelhadi Shoufan and Prof. Ernesto Damiani from Khaliah university and Nancy Gleason from New York University.
- **Webinar virtual conference: Human immunity for COVID-19: Are we going to have an effective vaccine? information about the variation of immune response to COVID-19 and update in vaccine development and effectiveness** Oct 5, 2020 @ 19:00 pm, Dubai Time (2 Hours). Moderator: Ashraf Al Zaabi MB, FRCPC, FCCP, EMHCA, Head of Respiratory Division, Zayed Military Hospital, President, Emirates Thoracic Society, UAE.
- FIP Digital Events: **Advocating for pharmacy-based vaccination and achieving legislative changes Creativity**, Sept 3, 2020 @ 3:00 pm, Dubai Time (2 Hours). Moderator: Paul Sinclair, Chair of the FIP Board of Pharmaceutical Practice, Australia.
- FIP Digital Events: **Creativity in Pharmacy education**, July 28, 2020 @ 3:00 pm, Dubai Time (2 Hours). Moderator: Sylvester Adeyemi, International Pharmaceutical Students' Federa\_on, IPSF, Nigeria.
- FIP Digital Events: **Youth Involvement in Policy Research + Advocacy creating Policies at a global level of FIP + IPSF**, July 27, 2020 @ 6:00 pm, Dubai Time (2 Hours). Moderator: Nilhan Uzman, FIP Lead for Education Policy and Implementation, FIP - the Netherlands.
- FIP Digital Events: **Who's immune to fake news? Addressing patient motivation and vaccine hesitancy**, July 23, 2020 @ 5:00 pm, Dubai Time (2 Hours). Moderator: Moderator: Ema Paulino, Professional Secretary of FIP, Portugal.
- **SciFinder-n** training. Wed Jul 22, 2020 2pm – 3pm Dubai time. Wesam Abusaif, Regional Marketing Manager, ACS International, Ltd. – Representing CAS, Microsoft Teams Meeting.
- FIP Digital Events: **Return to Pharmacy Education: Planning for the Upcoming Academic Year**, July 21, 2020 @ 5:00 pm, Dubai Time (2 Hours). Moderator: Pierre Moreau, Dean Faculty of Pharmacy Kuwait University – Kuwait.
- FIP Digital Events: **Remote Laboratory Courses Across Pharmacy Schools During COVID-19: Are You Ready?."**, July 14, 2020 @ 5:00 pm, Dubai Time (2 Hours). Moderator: Dalal Hammoudi, Lebanese International University, Lebanon.
- Webinar Topic at MyDispense: **A virtual simulation to teach pharmacy students across the globe**. Moderator. Moderator Dr.Majed Ali clicinal Phamacy at Faculty of Pharmacy and Pharmaceutical Sciences, Um Qura University - Saudia Arabia , July 2, 2020 @ 12:00 pm, Dubai Time.

## FUNDED RESEARCH PROJECTS

- Discovery of new Acetyl cholinesterase Inhibitors via Ligand-Based Pharmacophore Modeling and Hit Optimization for Potential Use in Alzheimer's disease. Deanship of Scientific Research-The University of Jordan, 2011-2013 (15,000JD).
- Screening of Selected Jordanian Medicinal Plants for Acetylcholinesterase Inhibitory Activity and Anti-oxidant Capacity for Neurological Diseases Scientific Research Support Fund, Ministry of Higher Education, First Research Cycle 2010. 2010-2013 (90,000 JD).

### References:

#### **1-Dr. Paul L. Chazot**

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#### **2-Prof. Sulaiman M. Al-Khalil**

Prof.of Pharmacognosy & Phytochemistry, Faculty of Pharmacy, Department of medicinal chemistry and pharmacognosy. Jordan University of science and technology,Irbid , Jordan. Tel: (+962) 2 7201000 Ext 23535, Mobile No: (00962) 777454900. Email: alkhilil @just.edu.jo.

#### **3- Prof. Rana M. Abu-Dahab**

Dean, Faculty of Pharmacy, University of Jordan, Amman, Jordan. Tel: (+962)6 5355000 ext. (23294) or Fax: (+962)6 5300250, Email: Deanphar@ju.edu.jo.

#### **4- Prof. Rula Darwish**

Prof.of Pharmaceutics and Pharmaceutical Technology, Faculty of Pharmacy, University of Jordan, Amman, Jordan. Tel: (+962)6 5355000 ext. (23327), Fax: (+962)6 5300250, Email: rulad@ju.edu.jo.