

**ALAA MAHMOUD AHMAD HAMMAD**

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**AMMAN, JORDAN**

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**EDUCATION:**

**PhD:** University of Toledo, Toledo, OH.

Graduated August 2014

GPA: 4.00, Thesis track.

**M. Pharm.Sci.:** Albany College of Pharmacy and Health Sciences, Albany, NY.

Graduated December 2011

GPA: 3.93, Thesis track.

**B.Sc. in Pharmacy:** University of Jordan. Amman, Jordan.

Graduated June 2007.

GPA: 3.43

**WORK EXPERIENCE:**

**International Pharmaceutical Research Center:** Amman, Jordan

Assistant Data Analyst. March 2007- September 2009.

**AL-Zaytonah University:** Amman, Jordan

Lecturer. February 2012- 2014.

**University of Toledo:** Toledo, USA

Teacher Assistant: March 2016-2017

**AL-Zaytonah University:** Amman, Jordan

Assistant Professor. October 2017- now

**AWARDS AND MEMBERSHIP**

Member of American Society for Pharmacology and Experimental Therapeutics (ASPET).

Member of Society of Neuroscience (SFN).

**PUBLICATIONS:**

Master Thesis:” Synergistic Antioxidant Activity: Synthesis of Carbonate Codrugs Derived from Tocopherol and Lipol”.

Hass, Martha A.; Carreno, Joseph; Hammad, Alaa. *Synthesis and Antioxidant Activity of Mutual Prodrugs Derived from Tocopherol and Lipoic Acid* American Association of Pharmaceutical Scientists, Annual Meeting, November 14-18, 2010, New Orleans, LA

PhD Thesis:” The role of Glutamate Transporter 1 and Cystine-glutamate exchanger in cocaine and ethanol co-abuse: Potential therapeutic targets”.

Alqassem Y. Hakami, Alaa M. Hammad, Youssef Sari *Effects of Amoxicillin and Augmentin on Cytine-Glutamate Exchanger and Glutamate Transporter 1 Isoforms as well as Ethanol Intake in Alcohol-preferring rats* *Frontiers in Behavioral Neuroscience*, April 2016|Volume10|Article171.

Alaa M. Hammad, Yusuf Althobaiti, Sujun Das, Youssef Sari *Effects of repeated cocaine exposure and withdrawal on voluntary ethanol drinking, and the expression of glial glutamate transporters in mesocorticolimbic system of P rats* (*Molecular and Cellular Neuroscience*, April 2017, Volume 82, 58-65)

Alaa M. Hammad, Fawaz Alasmari, Yusuf Althobaiti, Youssef Sari *Modulatory effects of Ampicillin/Sulbactam on glial glutamate transporters and metabotropic glutamate receptor 1 as well as reinstatement to cocaine seeking behavior* (*Behavioral Brain Research*, August 2017, Volume 332:288-298).

Alaa M. Hammad, Yusuf Althobaiti, Fawaz Alasmari, and Youssef Sari *The effect of modulation of the glial glutamate transporters’ expression on cocaine-induced reinstatement in male P rats exposed to voluntary home-cage ethanol drinking* (Submitted).

Alaa M. Hammad, Youssef Sari *The effect of cocaine on relapse-like ethanol drinking behavior and the expression of glutamatergic transporters in the NAc core, shell and dmPFC of male P rats after ethanol re-exposure* (under preparation).

Yusuf Althobaiti, Fahad Alshehri, Alqassem Hakami , Alaa M. Hammad, Youssef Sari *Methamphetamine, glutamatergic transporters, conditioned place preference, mGluR2/3, clavulanic acid* (under preparation).

Alaa M. Hammad, Youssef Sari *Effect of cocaine on the glutamatergic system* (under preparation)

#### **CONFERENCES PUBLICATIONS:**

Alaa M. Hammad, Fawaz Alasmari, Yusuf Althobaiti, Youssef Sari *Modulatory effects of Ampicillin/Sulbactam on glial glutamate transporters and metabotropic glutamate receptor 1 as well as reinstatement to cocaine seeking behavior.* SFN, November 2017.

Fawaz Alasmari, Richard L. Bell, Alaa M. Hammad, Youssef Sari *Effects of multiple scheduled drinking of nicotine and/or ethanol on glial glutamate transporters and metabotropic glutamate receptor-1 in female alcohol-preferring rats,* SFN, November 2017.

Yusuf Althobaiti, Fahad Alshehri, Alqassem Hakami , Alaa M. Hammad, Youssef Sari *Methamphetamine, glutamatergic transporters, conditioned place preference, mGluR2/3, clavulanic acid,* SFN, November 2017.

**LANGUAGES and SKILLS:**

Speak, Read and Write Arabic and English Fluently.

Proficient in Microsoft Office (Word, Excel) and Operating Kinetica Software.