

Curriculum Vitae

Personal Information

Name: Esam Yousef Qnais
Date of Birth: 5-2-1972
Place of Birth: Amman- Jordan
Nationality: Jordanian
Address: Department of Biology
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References:

Professor Kerry Delaney
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Assistant Professor
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Academic Qualifications:

Institution	Mutah University	University of Jordan	Simon Fraser University
Degree	B.Sc (Biology)	M.Sc. (Physiology)	Ph.D (Neurophysiology)
Year	2-1994	9-1997	11-2003

Title of Master thesis

Study of the physiological effects of *Urtica pilulifera* L. extracts on blood pressure, platelets aggregation, perfused heart and isolated smooth muscles of the rat.

Title of Ph.D thesis

Activity dependent short term plasticity at vomeronasal sensory neuron to mitral cell synapse in accessory olfactory bulb.

Teaching Experience:

- Courses taught at Hashemite university and University of Jordan:
2003- present

Animal physiology
Special topics (neuroscience)
Histology
General biology 101 and 102
Seminar
Applied animal physiology
Neurobiology
Human physiology
Advanced neuroscience
Immunology
Hematology
Anatomy and physiology

- 1999-2002 TA: Simon Fraser Univ.
- 2002: Lab instructor: Cold Spring Harbour.
- 1998-1999 TA: Hashemite Univ.
- 1994-1997 TA: University of Jordan.

Research Interests:

- How changes in synaptic efficacy are embedded in the function of neural circuits.
- Immunohistochemistry and distribution of interneurons in olfactory bulb.
- Mechanisms of neuropathic pain.

- Histochemical and Ultrastructural characteristics of muscle fibers
- Antinociceptive and anti-inflammatory effects of some medicinal plants
- Medicinal plants and smooth muscle and cardiac muscle contractions.

Research fellowships and scholarships:

2003 Simon Fraser Univ. President's research stipend.
 2002 NSERC travel grant.
 2002 Frank A Linville graduate scholarship in olfaction.
 2002 Simon Fraser Univ. graduate fellowship.
 2001 Frank A Linville graduate scholarship in olfaction.
 2000 Simon Fraser Univ. graduate fellowship.
 99-2001 Hashemite Univ. fellowship.
 94-97 Univ. of Jordan fellowship.

Committees

Chairman of safety committee
 Chairman of animal house committee
 Chairman of electron microscope committee
 Chairman of graduate affairs committee
 Member of sport committee
 Member of research and Graduate Studies
 Member of Graduate studies

Societies membership:

Member of Soc. Neurosci. USA
 Member of Jordanian Society for Biological Sciences.

Publications:

- 1- **Esam Y. Qnais** , Mohamed Abu-Dieyeh, Fuad. A. Abdulla , and Shtaywy S. Abdalla. 2010 The antinociceptive and anti-inflammatory effects of *Salvia officinalis* leaf aqueous and butanolic extracts. *Pharmaceutical Biology*. 48(10):1149-1156.
- 2- Esam Y. Qnais. The analgesic effect of the ethanolic extract of *Matricaria aurea*. *Turkish Journal of Biology*. **Accepted**.
- 3- KR Delaney, **EY Qnais**, AB Hardy. 2009. Short-term synaptic plasticity at the main and vomeronasal olfactory receptor to mitral cell synapse in frog. *European Journal of Neuroscience*. 30:2077-2088
- 4- **Esam Qnais** , Abu-Safieh Kayed, Mohammad H. Abu-Dieyeh , and Fuad A. Abdulla . 2009. Antinociceptive effect of two flavonoids from *Aloysia triphylla* L. *Jordan Journal of biological sciences*. 2(4):167-170.

5- Iman M. Ahmad, Maher Y. Abdalla, Noor H. Mustafa, **Esam Y. Qnais**, Fuad A. Abdulla. 2009. Datura Aqueous Leaf Extract Enhances Cytotoxicity via Metabolic Oxidative Stress on Different Human Cancer Cells. Jordan Journal of biological sciences. 2,1, 9-14.

6- Fuad A. Abdulla, Mohammed H. Abu-Dieyeh and **Esam Qnais**. Human Activities and Ecosystem Health. Environmental Management, Sustainable Development and Human Health. 2009. 341-360

7- Fuad A. Abdulla and **Esam Y. Qnais** 2008. Middle Cerebral Artery Occlusion Increases the Sensitivity of Cortical Neurons to Acetylcholine and Impairs Cognitive Function in Rats. Jordan Journal of biological sciences. 1, 1, 1-6.

8- Qnais, E. Y; Elokda, A. S.; Ghalyun, Y.Y. Abu; Abdulla, F. A 2007. Antidiarrheal Activity of the Aqueous Extract of Punica granatum (Pomegranate) Peels. Pharmaceutical Biology. 715-720(6).

9- **E.Y. Qnais**, F.A. Abdulla, M.A. Khanfer, M.H. Abu-Zarga and Y.Y. Abu Ghalyun 2006. Effects of Kreysigine, an Alkaloid Isolated from *Colchicum decaisnea* on Ileum Smooth Muscle and Intestinal Motility of Rats. International Journal of Pharmacology. 2(4): 451-454.

10- **E.Y. Qnais**; F.A. Abdulla; Y.Y. Abu Ghalyun 2005. Antidiarrheal Effects of Juniperus phoenicia L. Leaves Extract in Rats. Pakistan Journal of Biological Sciences; 6(8). 867-871

11- Asma Kamel, **Esam Qnais**, Fares Houry, Lubna Tahtamouni, Hisham Al-Matubsi, Younes Abu Ghalyun. 2006. Reptilian skeletal muscle: physiological and fine structure properties of musculus iliofibularis of the lizard *Chamaeleo chamaeleo recticrista*. Proceeding of International Conference of Biological Sciences.

Submitted articles

1- Esam Y. Qnais, F. A. Abdulla, and Shtaywy S. Abdalla. Evaluation of antidiarrheal activity of *Laurus nobilis* L. leaf extract in rats. Submitted to Phytotherapy research.

In preparation

Esam Y. Qnais. Antinociceptive and anti-inflammatory Properties of Aqueous Extract and Two Flavonoids Isolated from aerial parts of *Artemisia herba alba* L.

Ad hoc referee

Referee for many Journal in biology and ethnopharmacology

Current Projects/ Record of Funding

1- Slow locomotion in Chameleons: Histochemical and Ultrastructural characteristics

of muscle fibers isolated from the Iliofibularis muscle of Chamaeleo Chamaeleo. 11000JD

2- Study of the physiological activity of the extracts of *Punica granatum* (Pomegranate) Peels on perfused heart and isolated smooth muscles of the rat. 2350JD

3- Neuropathic pain and the Aging process: Behavioral pharmacological, physiological and biochemical studies in rats. 49500JD

4- GABA-Immunopositive neurons in the glomerular layer of the olfactory bulb in the lizard, *Agama stellio stellio*. 2500JD

5- The antinociceptive and anti-inflammatory effects of *Salvia officinalis* leaf aqueous and butanolic extracts. 999JD

6- Effects of selected chemical ingredients from *Smilax aspera* on rat isolated smooth muscles, inflammation and its potential analgesic effect in mouse. 3400JD

7- Antinociceptive and anti-inflammatory Properties of Aqueous Extract and Isolated compounds from aerial parts of *Artemisia herba alba* L. 2000 JD

Graduate Trainees

Yousra Bseso 2004-2006 MSc

Khalid Alqesi 2004-2006 MSc

Mai Flefl 2005- 2007 MSc

Zeid Heajna 2006-2008

Abstracts and Posters

Nine posters were presented at Society for Neuroscience Conferences, The Sixth Medical Conference of the Faculty of Medicine Jordan University of Science and Technology, The 4th Jordanian & 3rd Pan Arab Congress in Physical Medicine, Arthritis & Rehabilitation and Jordanian royal medical services conference.