

CV of Tariq Al-qirim

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Date of Birth: 1970
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Date of Appointment: 23-3-2003

EDUCATION:

1) Ph. D in Biochemistry. Aligarh University (India) 2000-2003

Thesis: Effect of Khat on different parameter in rats.

2) MSc degree in Biochemistry. Aligarh University (India) 1997-1999

MSc Courses:

- Bio-Organic Chemistry
 - Bio-Physical Chemistry
 - Structure & Function of the Proteins
 - Advanced Enzymology
 - Intermediary Metabolism
 - Molecular Cell Biology
 - Biotechnology
 - Molecular Genetics
 - Immunology
- Research Project

3) BSc degree in Medical Lab Technology. Applied Science University (Jordan) 1991-1996.

4) Diploma in Medical analysis. Arab Community College. (Jordan) 1989-1991.

PUBLICATIONS:

JOURNAL ARTICLES:

1- Shattat, Ghassan; **Al-Qirim, Tariq**; Abu Sheikha, Ghassan; Al-Hiari, Yusuf; Sweidan, Kamal; Al-Qirim, Rania; Hikmat, Suhair; Hamadneh, Lama; Al-Kouz, Sameer . The Pharmacological effects of novel 5-fluoro-N-(9,10-dihydro-9,10-dioxoanthracen-8-yl)-1H-indole-2-carboxamide derivatives on plasma lipid profile of Triton-WR-1339-induced Wistar rats. *Journal of Enzyme Inhibition and Medicinal Chemistry* (2013), 28(4), 863-869.

2- Jarab AS, Alqudah SG, Mukattash TL, Shattat G, **Al-Qirim T**. Randomized controlled trial of clinical pharmacy management of patients with type 2 diabetes in an outpatient diabetes clinic in Jordan. *Journal of Manag Care Pharm*. 2012 Sep; 18(7):516-26.

3- Moyad Shahwan, **Tariq Al-Qirim** and Ammar Bader. Short-term Feeding Effects of Origanum syriacum Crude Extract on Immobilization Stress Induced Antioxidant Defense Changes in Rat. *Journal of Biological Sciences*, 2012

4- **Al-Qirim, Tariq**; Shattat, Ghassan; Sweidan, Kamal; El-Huneidi, Waseem; Abu Sheikha, Ghassan; Abu Khalaf, Reema; Hikmat, Suhair. In Vivo Antihyperlipidemic Activity of a New Series of N-(Benzoylphenyl) and N-(Acetylphenyl)-1-benzofuran-2-carboxamides in Rats. *Archiv der Pharmazie (Weinheim)*. *Life Sci*. 2012, 345, 401-406

5- Ghassan Shattat, **Tariq Al-Qirim**, Ghassan Abu Sheikha, Yusuf Al-Hiari, Kamal Sweidan, Rania Al-Qirim, Suhair Hikmat, Lama Hamadneh, Sameer Al-kouz The Pharmacological Effects of Novel 5-Fluoro-N-(9,10-dihydro-9,10-dioxoanthracen-8-yl)-1H-indole-2-carboxamide Derivatives on Plasma Lipid Profile of Triton-WR-1339-Induced Wistar Rats. *J Enzyme Inhib Med Chem*. Accepted in April 2012.

6- Yusuf Al-Hiari, Ghassan Shattat, **Tariq Al-Qirim**, Waseem El-Huneidi, Ghassan Abu Sheikha and Suhair Hikmat. Antihyperlipidemic Properties of Novel N-(Benzoylphenyl)-5-substituted-1H-indole-2-carboxamides in Triton WR-1339-Induced Hyperlipidemic Rats. *Molecules* 2011, 16(10), 8292-8304.

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7- Yusuf Al-Hiari, Amjad M. Qandil, Rufaida M. Al-Zoubi, Muhammad H. Al- Zweiri, Rula M. Darwish, Ghassan F. Shattat, **Tariq M. Al-Qirim**. Synthesis and antibacterial activity of novel 7-haloanilino-8-nitrofluoroquinolone derivatives. *Med Chem Res.* 2011. DOI 10.1007/500044-011-9692-3.

8- Ghassan Abu Sheikha, Buthina Hussin, Yusuf Al-Hiari, **Tariq Al-Qirim**, and Ghassan Shattat. Synthesis of Benzothiophene Carboxamide Derivatives and their Pharmacological Evaluation as Potent Antihypertriglyceridemic Agents in Rats. *Z. Naturforsch.* 66 c, 93 – 103 (2011).

9- Al-Hiari, Yusuf M.; Shakya, Ashok K.; Alzweiri, Muhammed H.; **Al-Qirim, Tariq M.**; Shattat, Ghassan; El-Abadelah, Mustafa M. Synthesis and antibacterial properties of new N4-acetylated hexahydro-2,7-dioxopyrido[2,3-f]quinoxaline-8-carboxylic acids. *Journal of Enzyme Inhibition and Medicinal Chemistry* (2011), 26(5), 649-656.

10- Ghassan Shattat, Rania Al-Qirim, Yusuf Al-Hiari, Ghassan Abu Sheikha, **Tariq Al-Qirim**, Waseem El-Huneidi, Moyad Shahwan. Synthesis and Anti-Hyperlipidemic Evaluation of N-(Benzoylphenyl)-5-fluoro-1H-indole-2-carboxamide Derivatives in Triton WR-1339-Induced Hyperlipidemic Rats. *Molecules* 2010, 15, 5840-5849.

11- Al-Hiari, Yusuf Mohammad; Qandil, Amjad M.; Al-Zoubi, Rufaida M.; Alzweiri, Muhammed H.; Darwish, Rula M.; Shattat, Ghassan F.; **Al-Qirim, Tariq M.** 7-(3-Chlorophenylamino)-1-cyclopropyl-6-fluoro-8-nitro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid. *Molbank.* (2010).

12- Moyad Shahwan, Ghassan Shattat, **Tariq Al-Qirim**, Ghassan Abu Sheikha, Yusuf Al-Hiari, Waseem El-Huneidi, Anan Jarab, and Manal AL-Najdawi. Synthesis and Pharmacological Evaluation of Novel Substituted and Unsubstituted N-(Benzoylphenyl)-1H-indole-2-carboxamides As Potent Anti-Hypertriglyceridemic Agents. *Z. Naturforsch.* 65 c, 309 – 316 (2010).

13- Ghassan Shattat, **Tariq Al-Qirim**, Kamal Sweidan, Moyad Shahwan, Waseem el-Huneidi, Yusuf Al-Hiari. The Hypolipidaemic Activity of Novel Benzofuran-2-carboxamide Derivatives in Triton WR-1339-Induced Hyperlipidaemic Rats: A Comparison with Bezafibrate. *Journal of Enzyme Inhibition and Medicinal Chemistry.* 2010, 1–5.

14- Tariq Al-Qirim, Moyad Shahwan, Ghassan Shattat, Yusuf Al-Hiari, Ghassan Abu Sheikha, and Syed Zaidi. Pharmacological Evaluation of Novel Indole-2-carboxamides As Potent Lipid-Lowering Agents in Triton-WR1339-Induced Hyperlipidemic Rats. *Zeitschrift für Naturforschung C*. 64c, 619-625 (2009).

15- Tariq Al-Qirim, Syed M. Zaidi, Moyad Shahwan, Ghassan Shattat and Naheed Banu. Effect of *Solanum nigrum* on immobilization stress induced antioxidant defense changes in rat. *Research Journal of Biological Sciences*. 2008; 3(12): 1426-1429.

16- Mahmoud sunjuk, mousa al-noaimi, yahya al-degs, **Tareq Al-Qirem**, ekkehard lindner, adnan s. Abu-surrah. Higher α -Olefins Carbonylation in Aqueous Media by Pd(II) Catalysts Modified with Substituted Diphosphine Ligands: Aqueous Polyketone Latices with High Solid Contents and Molecular Weights. *Journal of Polymer Science: Part A: Polymer Chemistry*, 47, 6715–6725 (2009).

17- Moyad J. Shahwan, **Tariq M. Al-Qirim** and Haytham Daradka. Hypolipidaemic Effects of *Euphorbia prostrata* in Rabbits. *Journal of Biological Sciences* 9 (1): 88-91, 2009

18- Moyad J. Shahwan, **Tariq M. Al-Qirim**, Haytham Daradka. Effects of *Ballota undulata* on blood biochemical parameters and insulin in albino rats. *Asian Biomedicine* Vol. 3 No. 2 April 2009: 171-175.

19- Zaidi SM, **Al-Qirim TM**, Banu N. Effects of antioxidant vitamins on glutathione depletion and lipid peroxidation induced by restraint stress in the rat liver. *Drugs in R& D*. 2005;6(3):157-65

20- Shahwan M, **Al-Qirim TM**, Zaidi SM. Physicochemical properties and amino acid sequence of sheep brain galectin-1. *Biochemistry (Mosc)*. 2004 May; 69(5):506-12.

21- Moyad Shahwan, **Tariq M Al-Qirim**, Moselhy S. Mansy, S.M.K.Rais Zaidi, and Naheed Banu. Isolation, physicochemical and immunological characterization of galectin-1 from sheep brain. *Egypt. J. Biotechnol*. 2004 oct; 17.

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22- Zaidi SM, **Al-Qirim TM**, Hoda N, Banu N. Modulation of restraint stress induced oxidative changes in rats by antioxidant vitamins. *J Nutr Biochem*. 2003 Nov;14(11):633.

23- **Al-Qirim TM**, Shahwan M, Zaidi KR, Uddin Q, Banu N. Effect of khat, its constituents and restraint stress on free radical metabolism of rats. *J Ethnopharmacol*. 2002 Dec;83(3):245-50.

DOCTORAL THESES COSUPERVISED:

- Manal M. Najdawi. The discovery of novel heterocyclic 2-carboxamide derivatives and their potential dyslipidemic and antioxidant activity. Jordan University, faculty of Pharmacy. The public defense successfully took place on 4th Aug 2011.

PATENTS:

1- Ghassan Shattat, **Tariq Al-Qirim**, Moyad Shahwan, Yusuf Al-Hiari, Ghassan Abu Sheikha. N-substituted-1H-indole-2-carboxamide derivatives, a process for their preparation and their use as potential antihyperlipidaemic agents. 2519 Jordan Patent.

2- **Tariq Al-Qirim**, Ghassan Shattat, Kamal Sweidan, Ghassan Abu Sheikha, Yusuf Al-Hiari,. benzofuran- and benzothiophene-2-carboxamide derivatives, a process for their preparation and their use as potential antihyperlipidaemic agents a process for their preparation and their use as potential antihyperlipidaemic agents. Jordan Patent 47 /2009.

PRESENTATIONS & CONFERENCES:

1- **Tariq Musbah Al-Qirim**, Ayesha Zafir, and Naheed Banu. Remedial antioxidant action of *Withania somnifera* on restraint stress-induced oxidative damage. *EXPERIMENTAL BIOLOGY* 2008. San Diego, USA *FASEB J*. 2008 22:611.12

2- **Tariq Musbah Al-Qirim**, Ayesha Zafir, and Naheed Banu. Comparative anti-oxidant potential of *Rauwolfia serpentina* and *Withania somnifera* on cardiac tissues. *EXPERIMENTAL BIOLOGY* 2007. Washington DC, USA *FASEB J*. 2007 21:510.1

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3- Tariq M Al-Qirim and Naheed Banu, Pro-oxidant effect of khat (*catha edulis forsk*) on liver and brain of rats. EXPERIMENTAL BIOLOGY 2006. San Francisco, CA, **USA**. *FASEB J.* 2006 20:A476

4- Tariq. M. Al-Qirim, S. M. Kashif. R. Zaidi and Naheed Banu. Effects of antioxidant vitamins on glutathione depletion and lipid peroxidation induced by restraint stress in rat liver. Radicals & Radical Ions In Chemistry & Biology 2007, New Hampshire, **USA**.

5- Tariq M Al-Qirim and Naheed Banu. Effect of Khat (*catha edulis Forsk*) consumption on stress induced biochemical changes. 9th Asian-Pacific Congress of Clinical Biochemistry (2002) **India**.

6- Tariq M Al-Qirim and Naheed Banu. The effect of Khat consumption on different biochemical parameters in stressed rats. 70 th Society of Biological Chemist (2001) Hyderabad, **India**.

7- Tariq M Al-Qirim and Naheed Banu. Effect of Khat consumption on free radical metabolism of rats. Future Trends in Phytochemistry (2004) **Italy**.

8- Tariq M. Al-Qirim, kashif zaidi, and naheed banu. Effect of aqueous extract of *s. nigrum* on immobilization stress induced antioxidant defense changes in rat plasma. Euromedlab 2005, Scotland, **UK**.

SCIENTIFIC ACTIVITIES AND COMMUNICATIONS:

▪ **Member of Quality Assurance Unit** at Faculty of Pharmacy, Al-Zaytoonah University of Jordan, **2009**.

▪ **Chairman** for the pharmaceutical conference committee at Faculty of pharmacy, Al-Zaytoonah University of Jordan, **2006-2010**

Grants:

1- University grant commission (India)

2- Short-term feeding effect of Miswak and Origanum syriacum L on blood constituents in rats. Al-Zaytoonah University

Instrumental and Computer Skills:

Very good in computer skills (ICDL).

Excellent in experimental rats handling

Professional Experience:

2003 *Assistant Professor* at Al-Zaytoonah University.

2010 *Associate Professor*

Teaching Experiences:

1- Pharmaceutical Biochemistry-1

2- Pharmaceutical Biochemistry-2

3- Clinical Biochemistry

4- Clinical Nutrition

5- Pharmaceutical Biochemistry-1 LAB

6- Biochemistry for Nursing

Languages: Arabic (*native*), English (*Excellent*).

References:

1) **Dr Ghassan Abu Sheikha, Ph.D.**

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Research Interests:

Free radical is any species capable of independent existence that contains one or more unpaired electrons, these free radicals were generated by using stress and especially Forced immobilization stress since this model combines emotional stress (escape reaction) and physical stress (muscle work), resulting in both restricted mobility and aggression.

The stress-induced free radicals were evaluated by measuring enzymatic antioxidant such as superoxide dismutase, catalase and glutathione-s-transferase, also I have measured the non-enzymatic antioxidants such as uric acid, glucose and reduced glutathione (GSH).