

Curriculum Vitae



Personal Details

Name: **Aiman Ibraheem Al-Qtaitat**

Place of Birth: Zarqa - Jordan.

Date of Birth: October 4, 1970.

Nationality: Jordanian.

Marital Status: Married

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Qualifications

□ **PhD (University of Leeds/ England, 2007)**

School of Biomedical Sciences
(Dept of Anatomy and Histology)

Thesis, The Mineral Phase: Calcified Microspheres Populations in Young and Ageing, Hard and Soft Tissues

□ **MSc (University of Leeds/ England, 2004)**

School of Biomedical Sciences
(Dept of Anatomy and Histology)

Thesis, Anatomy of Sharpey's fibres and their calcification with age

□ **BDS (University of Jordan/ Jordan, 1993)**

Faculty of Dentistry

Current position

Professor
Department of Anatomy and Histology
Faculty of Medicine
Muta'h University

Working Experience and Appointments:

- September 2022-now
Dean of Faculty of Dentistry/ Zarqa University
- September 2021-2022
Vice Dean of the Faculty of Medicine /Mutah University
- June 2021- now
Professor in the Faculty of Medicine / Muta'h University
(Anatomy/ Histology/ Cell Biology/ Embryology)
- June 2016- 2021
Associate Professor in the Faculty of Medicine / Muta'h University
(Anatomy/ Histology/ Cell Biology/ Embryology)
- September 2017-September 2018
Vice Dean of the Faculty of Medicine /Mutah University
- December 2007- June 2016
Assistant Professor in the Faculty of Medicine / Muta'h University
(Anatomy/ Histology/ Cell Biology/ Embryology)
- September 2013- Aug 2015
Head of the Department of Anatomy and Histology
Faculty of Medicine / Muta'h University
- October 2005-June 2007
Anatomy Instructor, School of Biomedical Science, University of Leeds
- January 1994-January 2004
Private Dental Practice
- September 1998- May 2000
Part time lecturer for Dental technicians
Zarqa Private Collage/Jordan

Teaching Courses

- Cell biology – First year – Faculty of Medicine
- General histology – First year – Faculty of Medicine

- Practical Histology – First year – Faculty of Medicine
- Medical Terminology – First year – Faculty of Medicine
- General Anatomy – First year – Faculty of Medicine
- General Embryology – First year – Faculty of Medicine
- Histology of Musculoskeletal System – Second year – Faculty of Medicine
- Histology of Endocrine system – Second year – Faculty of Medicine
- Histology of Digestive System – Second year – Faculty of Medicine
- Histology of Cardiovascular system – Third year – Faculty of Medicine
- Histology of Respiratory System – Third year – Faculty of Medicine
- Histology of Central Nervous System– Third year – Faculty of Medicine
- Histology of Peripheral Nervous System – Third year – Faculty of Medicine
- General Anatomy for Nursing – First year – Faculty of Medicine
- General Anatomy for Pharmacy – First year – Faculty of Medicine

Training Courses and Workshops

- Transmission and Scanning Electron Microscopy training program at Department of Oral Biology/ University of Leeds/ UK 2004
- Confocal Laser Scanning Microscope training program at Department of Oral Biology/ University of Leeds/ UK 2004
- Immunohistochemistry staining techniques at The School of Biomedical Sciences/ University of Leeds/ UK 2004
- Tissue preparation and staining techniques for microscopic examination at The School of Biomedical Sciences/ University of Leeds/ UK 2004
- Moodle Education Portal / Organized by the Faculty Development Center at Mutah University 12th-28th April 2009
- Moodle Authoring / Organized by Content Development Solution (CDS) at Mutah University 17-26 May 2009
- Workshop in Research Ethics/ Basic Course for IRB/REC Members, March 18-22, 2012 Amman, Jordan
- GCMS Operation Training / Shimadzu Middle East and Africa FZE/ Istanbul- Turkey 16-20 June 2014

Academic and professional Committees

- National Human Resources in Health Services (HRH) Observatory Team/ The High Health Council of Jordan
- Faculty of Dentistry Temporary Board committee
- Faculty of Medicine Scientific and Research Committee- Faculty of Medicine
- Head of Research and Laboratory Committee- Faculty of Medicine

- Conferences and Training programs Committee- Faculty of Medicine
- Advances in Medical Education Committee- Faculty of Medicine
- Accreditation Committee - Faculty of Medicine
- Head of Medical and Scientific Laboratory Progress committee- Faculty of Medicine
- E-learning Committee- Faculty of Medicine
- Symposium Scientific Committee- Faculty of Medicine
- Audio-Visual Committee- Faculty of Medicine
- Faculty of Medicine Regulations Committee- Faculty of Medicine
- Faculty of Dentistry Establishing Committee- University of Mutah
- Jordan Centre of Medical and Pharmacological Research Foundation Committee- University of Mutah
- Computer Based Examination Centre Foundation Committee- University of Mutah
- Head of Faculty of Medicine Technical Tender Committee- University of Mutah

Professional Memberships

- Jordan Dental Association 1993-now
- European Calcified Tissue Society 2004-now
- The Anatomical Society of Great Britain and Ireland 2004-now
- Sport and Exercise Science, Biomedical Sciences, Faculty Research Group/University of Leeds 2004-2008

Research Interests

- Bone Histology in health, pregnancy, ageing and disease
- Arthritis, Osteoarthritis and Osteoporosis
- Uncalcified collagen type III/VI fibres in musculoskeletal exchange
- Non-Collagenous proteins in hard tissues
- Protein biomarkers in calcified tissues
- Connective tissue diseases
- Muscle insertions and age related changes
- The morphology of the mineral phase of bone
- Immunohistochemistry
- Endometrial hyperplasia and polycystic ovary syndrome
- Soft tissues and age related changes

Referees

- Dr Jean Aaron**
Visiting Lecturer//School of Biomedical Sciences
University of Leeds
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□ **Prof. Nedal Al- Hawamdeh**

Vice President for Administrative Affairs and Community
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□ **Professor Mahmood Hayawi Hammash**

Faculty of Pharmacy and Medical Sciences
Al-Ahliyya Amman University
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Publications

Al-Qtaitat AI, Shore RC, Aaron JE. Structural Changes in the Ageing Periosteum Using Collagen III Immuno-Staining and Chromium Labelling as Indicators. *Journal of Musculoskeletal and Neuronal Interactions*, 2010, 10 (1): 112-123.

Al-Qtaitat AI, Shore RC, Aaron JE. Calcification of Sharpey's Fibres and Periosteum with Age in the Porcine Mandible. *Calcified Tissue International* 2006, 78, Suppl1 S17-S167

Al-Qtaitat Aiman. Calcified Microsphere Populations In Young And Aging, Hard And Soft Tissues. Postgraduate Symposium 2006, Faculty of Biological Sciences, University of Leeds. Oral presentation

Al-Dalaen S, Mahgoub S and Al-Qtaitat A. Carcinogen Metabolizing Enzymes: Modulation of Their Activities in Liver, Lung and Stomach by Thymoquinone. *European Journal of Medicinal Plants*. 2014; 4(4): 383-393.

Al-Dalaen S, Al-Qtaitat A, Mahgoub S, Alnawaiseh N, Shniqat J, Sarayreh S, Sarayreh Y. Ramipril and Valsartan as protective agents against some complications of an experimentally induced obesity in rats. *American Journal of Life Sciences*. 2014; 2(4): 241-250

Al-Shuneigat J, Al- Sarayreh S, Al-Qudah M, Al-Tarawneh I, Al-Saraireh Y and Al-Qtaitat A. GC-MS Analysis and Antibacterial Activity of the Essential Oil Isolated from Wild *Artemisia herba-alba* Grown in South Jordan. *British Journal of Medicine & Medical Research*. 2015; 5(3): 297-302.

Al-Qtaitat A, Al-Dalaen S, Mahgoub S, Alnawaiseh N, Al-Shuneigat J, Al-Sarayreh S and Al-Saraireh Y. Plasma Thrombopoietin Level in Thrombocytopenic Patients with or without Liver Cirrhosis Chronically Infected by the Hepatitis C Virus. *British Journal of Medicine & Medical Research*. 2015; 5(7): 864-871

Al-Dalaen S, Al-Qtaitat A. Review Article: Oxidative stress versus antioxidants. American Journal of Bioscience and Bioengineering. 2014; 2(5): 60-71

Al-Qtaitat A, Al-Dalaen S, Mahgoub S, Al-Rawashdeh Md, Aaron JE. Bioactive propolis and bone loss reduction in an ovariectomized rat model of hypogonadal osteoporosis. American Journal of BioScience. 2014; 2(6): 217-221

Al-Qtaitat A, Al-Dalaen S. A review of non-collagenous proteins; their role in bone. American Journal of Life Sciences. 2014; 2(6): 351-355

Said Al-Dalaen, Jihad Alzyoud and Aiman Al-Qtaitat. The Effects of L-Arginine in Modulating Liver Antioxidant Biomarkers within Carbon Tetrachloride Induced Hepatotoxicity: Experimental Study in Rats. Biomedical & Pharmacology Journal. 2016; 9(1):

Aiman Al-Qtaitat, Jihad Alzyoud, Mohammad Al-Rawashdeh, Said Al-Dalaen and Aiman Al-Maathadi. Bone Age Determination of Epiphyseal Union Around Wrist Joint and its Correlation with Chronological Age: A Radiological Study in a Jordanian Population. BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA. 2016; 13(1), 67-73

Said Al-Dalaen, Aiman Al-Qtaitat, Mohammad Al-Rawashdeh, Jihad Alzyoud. Rheumatoid Arthritis: Hyaluronic Acid and Cartilage Oligomeric Matrix Protein as Predictors of the Disease Progression. Biomedical & Pharmacology Journal. 2016; 9(1): 15-23

Al-Jefout M, Alnawaiseh N, Al-Qtaitat A. Insulin resistance and obesity among infertile women with different polycystic ovary syndrome phenotypes. Scientific Reports. 2017; 7: 5339 | DOI:10.1038/s41598-017-05717-y

Moamar Al-Jefout, Aiman Al-Qtaitat, Dhamia Al-Rahal, Nedat Al-Nawaiseh, Futoon Rawashdeh. Endometrial Thickness as a Predictor of Endometrial Hyperplasia in Infertile Patients with Polycystic Ovary Syndrome. Open Journal of Obstetrics and Gynecology. 2018; 8: 92-104.

Aiman Al-Qtaitat, Sinan S Farhan, Aiman Al-Maathidy, Ghadeer Almuhsien and Jihad Alzyoud. Potential Protective Effect Of Pomegranate (Punica Granatum) Juice On Monosodium Glutamate Induced Seminiferous Tubules Changes In Adult Male Albino Rats; Histological Study. Biosciences Biotechnology Research Asia. 2019; 16(3): 625-636.

Sinan S. Farhan, Watheq M. Al-Jewari¹, Aiman Q. Afar Al-Maathidy, Aiman Al-Qtaitat. Morphological Assessment of Ear Auricle in a Group of Iraqi Subjects and Its Possible Role in Personal Identification. Italian Journal of Anatomy and Embryology. 2019; 124(3): 432- 442.

Aiman Al-Maathadi, Sinan Farhan, Jihad Alzyoud, Aiman Al-Qtaitat. The Possible Protective Effect of Panax Ginseng on Experimentally Induced

Colchicine Myopathy in Adult Male Albino Rats: A Histological Study. Internet Journal of Medical Update. 2019; 14(1):11-17.

Aiman Al-Maathidy, Jihad A. M. Alzyoud, Said Al-Dalaen, Aiman Al-Qtaitat. Histological Alterations in the Thyroid Follicular Cells Induced By Lead Acetate Toxicity in Adult Male Albino Rats. International Journal of Pharmaceutical and Phytopharmacological Research. 2019;9(5): 19-26.

Aiman Al-Maathidy, Sinan S Farhan, Jihad Alzyoud, Aiman Al-Qtaitat. The Possible Protective Effect of Moringa Oleifera Leaf on Amidarone Induced Pulmonary Alveolar Toxicity in Rats; Histological Study. Indo American Journal of Pharmaceutical Sciences. 2019;6 (05): 10081-10089.

Aiman Al-Qtaitat , Aiman Al-Maathidy , Sinan S. Farhan, Ghadeer Almuhausen and Jihad A. M. Alzyoud. The Possible Protective Effect of Fresh Beetroot Juice against Paracetamol Induced Hepatotoxicity in Adult Albino Rats. International Journal of Pharmaceutical Sciences and Research. 2020; 11(2): 844-852.

Al-Qtaitat Aiman, Mwafi Nesrin, Albitoosh Amal, Al-Dalaen Nassar. A New Tool for Early Diagnosis of Rheumatoid Arthritis Using Combined Biomarkers; Synovial MAGE-1 mRNA and Serum Anti-CCP and Rf. The Pan African medical journal. 2020;36:270.

Sinan S. Farhan, Watheq M Al-Jewari, Aiman Q. Afar, Aiman Al-Qtaitat. Anthropometric Study of Nose Parameters in Iraqi Arabic and Kurdish Subjects (Possible Personal Identification Tool). Indian Journal of Forensic Medicine & Toxicology. 2020;14(2):1976-1982

Al-Qtaitat Aiman, Al-Dalaen Said, Albitoosh Amal and Fardous Karawya. Preventive Effects of Dietary Raisins on Steroid - Induced Bone Changes in Rats. Biosciences Biotechnology Research Asia. 2020;17(4): 809-817.

AL-Qtaitat Aiman, Mwafi Nesrin, Albitoosh Amal, Al-Dalaen Said. The possible Ameliorating and Antioxidant Effects of Curcumin against Cyclosporine-Induced renal Impairment in Rats Kidney. Bull. Env. Pharmacol. Life Sci. 2020; 9[8]: 87-93.

Amal Albitoosh, Fardous Karawya, Wesam Al-Naymat & Aiman Al-Qaitat. Potential Protective Effect of Spirulina Platensis on Sodium Arsenite Induced Cardiotoxicity in Male Rats. Tissue Barriers 2021; Article: 1983330

Jihad Alzyoud, Samya Omoush, and Aiman Al-Qtaitat. Photobiomodulation for Tendinopathy: A Review of Preclinical Studies. Photobiomodulation, Photomedicine, and Laser Surgery. 2022; 40 (6): 370-377

Heba M. Abdel Kareem, Aiman I. Al-Qtaitat, Fadi S. Sawaqed and Fardous S. Karawya. Urinary NDRG2 and MCM8 Gene Expression as New Noninvasive Biomarkers for Diagnosis and Differentiation between Muscle and Non-Muscle Invasive Bladder Cancer. *Biomedical & Pharmacology Journal*. 2023. 16(1): 549-558.

Shuaibu A. Hudu, Ahmed S. Alshrari, Aiman Al Qtaitat and Mohd Imran. VP37 Protein Inhibitors for Mpox Treatment: Highlights on Recent Advances, Patent Literature, and Future Directions. *Biomedicines* 2023, 11, 1106.

Yousef M. Al-saireh, Fatemah O. F. O. Alshammari , Omar H. Abu-azzam, Sa'ed M. Al-dalain, Yahya M. Al-sarayra , Mansour Haddad, Hafiz Makeen, Aiman Al-Qtaitat, Mohammad Almermesh and Sameeh A. Al-sarayreh. Targeting Cytochrome P450 Enzymes in Ovarian Cancers: New Approaches to Tumor-Selective Intervention. *Biomedicines* 2023, 11, 2898

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Shuaibu A. Hudu, Fayig Elmigdadi, Aiman Al Qtaitat , Mazen Almeahmadi, Ahad Amer Alsaari , Mamdouh Allahyani , Abdulelah Aljuaid, Magdi Salih, Adel Alghamdi, Mohammad A. Alrofaidi, Abida and Mohd Imran. Trofinetide for Rett Syndrome: Highlights on the Development and Related Inventions of the First USFDA-Approved Treatment for Rare Pediatric Unmet Medical Need. *J. Clin. Med.* 2023, 12, 5114.

Jihad A.M Alzyoud; Eman Rababeh & Aiman Al-Qtaitat. Mandibular Incisive Canal Morphometry: A Cone-Beam Computed Tomography Study in Jordan. *Int. J. Morphol.* 2024, 42(2):317-323.

Jihad A. M. Alzyoud, Eman Rababah, Mohammad H. O. Almuhausen and Aiman I. Al-Qtaitat . Bone Age Determination of Epiphyseal Fusion at Knee Joint and Its Correlation with Chronological Age. *Medicina* 2024, 60, 779

Samer Y Al-Qaraleh, Wael A Al-Zereini, Sawsan A Oran, Osama Y Al-Madanat, Aiman I Al-Qtaitat and Abdalrahim Alahmad. Enhanced anti-breast cancer activity of green synthesized selenium nanoparticles by PEGylation: induction of apoptosis and potential anticancer drug delivery system

