

Curriculum Vitae

Jihad A.M. Alzyoud

Department of Medical Laboratory Sciences
Faculty of Applied Medical Sciences
The Hashemite University
P.O. Box 150459, Zarqa 13115, Jordan
Mobile: 00962-77-8596134
Phone: +962-5-3903333 Ext: 5599
<https://orcid.org/0000-0001-9646-0746>
E-mail: jihada@hu.edu.jo
jalzyoud@yahoo.com

Summary of Qualification

- Eight years of research and teaching experience in the field of anatomy and histology
- Excellent experience in current cell culture and histological techniques, statistical analysis, design of experiments and analysis of results.
- Head and member of several academic committees at the Hashemite University, Jordan.
- **Current Position:**
 - **Associate Professor of Anatomy and Histology**
 - **Vice Dean of the Faculty of Applied Medical Sciences**
- **Administration:**
 - Medical Laboratory Sciences Department Chairman – Faculty of Applied Medical Sciences, the Hashemite University. Sep. 2018 – 2020
 - Vice Dean of the Faculty of Applied Medical Sciences (2020 to present)
- **Publications:**
 - Journal articles..... 11
 - Conferences1
- **Teaching experience:**
 - Undergraduate courses taught ...5
 - Postgraduate courses taught.....2
- **Master students:**
 - Main Adviser..... 2

- Co-advisor 1
- Committee member3
- **International Projects2**
 - Erasmus + Health informatics integrated curricula in computing and health-oriented undergraduate degrees (HiCure). European union project a Building Capacity Funded projects
 - Responsible Conduct of Research (RCR) a University of California San Diego (UCSD) Research Ethics Program In Jordan

Funded research:

- Deanship of Scientific Research / Hashemite University1 (Principle investigator)

Educational Background

- **PhD of Anatomy and histology**, Swansea University, Wales - UK (2015).

Thesis Title: Intense Pulsed Light (IPL) as a Potential treatment for Tendinopathy – Pre-clinical Research using a Bovine Model
Supervisor: Dr. Sarah Rees & Dr. Ilyas Khan
- **M.Sc. Anatomy and Histology**, University of Jordan, Amman - Jordan (2010). GPA: Very good. Comprehensive exam
- **B.Sc. Dentistry (BDS)**, University of Jordan, Amman - Jordan (1993)
GPA: good

Research Interests

- Anatomical and histological studies.
- Musculoskeletal research – Normal and Pathology –
- Physical therapy for Musculoskeletal pathologies
- Dental Sciences
- Research ethics
- Health informatics

Professional Experience

- **Dentist at my own private dental surgery. Zarqa – Jordan (1994-2011)**
- **Administration Experience**
 - Chairman of the Medical Laboratory Sciences Department: 09/2018- Present
Faculty of Applied Health Sciences, Hashemite University, Zarqa, Jordan.
- **Academic and Research Experience**
 - **Assistant professor:** Sep 13, 2015- present:

Department of Medical Laboratory Sciences, Faculty of Applied Medical Sciences,
Hashemite University, Zarqa, Jordan.

Research Grants

Title	Role	Amount	Duration	Funding Organization
Investigating the potential effect of phototherapy and/or growth factors on the repair of partially transected tendons – In vivo rat model	Principle investigator	\$ 9600	2017-2019	The Hashemite University

Courses Taught

- Human Anatomy (140501211)
- Human Anatomy/Practical (140501212)
- Cells Culture (140501455)
- Micro-techniques and Histopathology (140501213)
- Advanced Micro-techniques and Histopathology (140501715)
- Seminar in Laboratory Medical Sciences (110501491)

Students Supervision

Main Supervisor

- **Saleh Awwad AL Najjar**, M.Sc., Department of Medical Laboratory, The Hashemite University, 28/12/2017. **Thesis title:** In Vitro Study Investigating the Effect of Light Emitting Diodes, Platelet-Rich Plasma and Their Combination on the Activity of Tenocytes Harvested from Sheep Achilles Tendon
- **Seham Talat Abdelal**, M.Sc., Department of Medical Laboratory, The Hashemite University, 4- 1- 2018. **Thesis title:** Investigating Haptoglobin Polymorphism and ABO Blood Groups in Patients Suffering Tendinopathy Attending Jordanian Medical Centers

Co-Supervisor

- **Adham Naser Mansour Al-Rousan**, M.Sc., Department of Medical Laboratory, The Hashemite University, 18/10/2018. **Thesis title:** Investigating the Potential effect Of Herbal Ointments (Olive oil, Nigella sativa oil, Inula viscosa or Combined) on the repairing of tendon from traumatic injuries – In vivo rat model

Member in thesis defence committee for the following master students in The Hashemite University:

- Linda Sufan/Department of Medical Laboratory sciences (graduated)
- Aseel Abu Shakra/Department of Medical Laboratory sciences (graduated)

- Ayah Suleiman /Department of Medical Laboratory sciences (graduated)

Publications:

1. Al-Dalaen, S., **Alzyoud, J.** and Al-Qtaitat, A., 2016. The effects of L-arginine in modulating liver antioxidant biomarkers within carbon tetrachloride induced hepatotoxicity: experimental study in rats. *Biomedical and Pharmacology Journal*, 9(1), pp.293-298. <http://dx.doi.org/10.13005/bpj/938>
2. Al-Dalaen, S., Al-Qtaitat, A., Al-Rawashdeh, M., **Alzyoud, J.** and Al-Maathadi, A., 2016. Rheumatoid arthritis: hyaluronic acid and cartilage oligomeric matrix protein as predictors of the disease progression. *Biomedical and Pharmacology Journal*, 9(1), pp.15-23. <http://dx.doi.org/10.13005/bpj/903>
3. **Alzyoud, J.A.**, Al Najjar, S.A., Talat, S., Bustanji, Y. and Al-Shudiefat, A.A.R.S., 2019. Effect of light-emitting diodes, platelet-rich plasma, and their combination on the activity of sheep tenocytes. *Lasers in medical science*, 34(4), pp.759-766. <https://doi.org/10.1007/s10103-018-2657-8>
4. **Alzyoud, J.**, Kharabsheh, M., Alzyoud, S. and Alzbon, E., 2019, April. Use of Healthcare Informatics Applications and Data for Research Purposes by Students: Opportunities and Challenges in Jordan. In 2019 IEEE 89th Vehicular Technology Conference (VTC2019-Spring) (pp. 1-6). IEEE. <https://ieeexplore.ieee.org/document/8746618>
5. Mahmoud, I.S., Homsy, A., Al-Ameer, H.J., **Alzyoud, J.**, Darras, M., Al Shhab, M., Zihlif, M., Hatmal, M.M.M. and Alshaer, W., 2019. Screening the RFX6-DNA binding domain for potential genetic variants in patients with type 2 diabetes. *World journal of diabetes*, 10(3), p.181-188 <http://dx.doi.org/10.4239/wjd.v10.i3.181>
6. **Alzyoud, J.A.**, Taghrir Muharib, Zaid Khawaldeh, Nawaf S. Al-Zyoud. 2020. The use of phototherapy in the treatment of tendinopathy: Physiotherapist experiences and practices in Jordan
7. Al-Maathadi, A., Farhan, S., **Alzyoud, J.** and Al-Qtaitat, A., 2019. 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*, 14(1), pp.11-17. <http://dx.doi.org/10.4314/ijmu.v14i1.3>
8. Al-Maathidy, A., **Alzyoud, J.A.M.**, Al-Dalaen, S., Al-Qtaitat, A., (2019). Histological alterations in the Thyroid Follicular cells induced by lead acetate toxicity in adult male

albino rats, *Int. j. pharm. phytopharm. Res.*, 9(5), pp.19-26.

<https://eijppr.com/en/article/histological-alterations-in-the-thyroid-follicular-cells-induced-by-lead-acetate-toxicity-in-adult-male-albino-rats>

9. Al-Qtaitat, A., **Alzyoud, J.**, Al-Rawashdeh, M. and Al-Dalaen, S., 2016. 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*, 13(1), pp.67-73. <http://dx.doi.org/10.13005/bbra/2004>
10. Al-Qtaitat, A., Farhan, S.S., Al-Maathidy, A., Almuhaissen, G. and **Alzyoud, J.**, 2019. 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*, 16(3), pp.625-636. <http://dx.doi.org/10.13005/bbra/2778>
11. Singh, R., **Alzyoud, J.**, Trickett, R., Thomas, P., Theobald, P. and Khan, I., **2018**. Growth Factor and Intense Pulse Light in Flexor Tendon Repair: A Biomechanical Study at Strength and Gap Resistance. *The Journal of Hand Surgery (Asian-Pacific Volume)*, 23(04), pp.463-468. <https://doi.org/10.1142/S2424835518500431>
12. **Alzyoud, J.A.**, Khan, I.M. and Rees, S.G., 2017. In vitro studies to evaluate the effect of varying culture conditions and IPL fluencies on tenocyte activities. *Lasers in medical science*, 32(7), pp.1561-1570. <https://doi.org/10.1007/s10103-017-2279-6>
13. **Alzyoud, J.A.**, Joyce, N.S., Woodward, R.D., Khan, I.M. and Rees, S.G., 2019. In vitro tissue culture model validation—the influence of tissue culture components on IPL energy output. *Lasers in medical science*, 34(8), pp.1575-1582. <https://doi.org/10.1007/s10103-019-02747-y>
14. Alzyoud, J.A., Abdelall, S.T., Al-Shudiefat, A.A.R.S., Khalyaila, D.M.D. and Al Najjar, S.A., 2020. HAPTOGLOBIN POLYMORPHISM AND CHRONIC TENDINOPATHY. *Journal of Musculoskeletal Research*, 23(02), p.2050008. <https://doi.org/10.1142/S0218957720500086>

International collaboration

1. **Erasmus + HiCure European union project a Building Capacity Funded projects**

Member in Erasmus Plus funded project (€989K), Development of Health informatics integrated curricula in computing and health-oriented undergraduate degrees (HiCure), from 15 October 2015 until 31 January 2019.

- **University of California San Diego (UCSD) Research Ethics Program In Jordan: Responsible Conduct of Research (RCR)**

A 12 months program graduate-level course work and a practicum. The Project is led by the University of California San Diego (UCSD) in collaboration with Jordan University of Science and Technology (JUST). Finishing requirements entitles the graduate to the University of California San Diego Fellow Graduate Certificate in Research Ethics. <https://jordanrcrprogram.com/>

Academic and professional committees

National (Jordan)

1. Member of Jordan Dental Association 1993 to present

The Hashemite University

1. Member of the Postgraduate studies committee 2018 -present

Faculty Committees

1. Faculty council (Sep 2015-present)
2. Postgraduate studies committee
3. Students' affairs committee (Sep 2015-Aug 2017)
4. Cultural committee and, workshops and conferences (Sep 2015- Aug 2016, Sep 2017-present)
5. Social work committee (Sep 2017-Aug 2018)
6. Studies and consultations committee (Sep 2016-Aug 2017)
7. Alumni Communication Committee (Sep 2018- Aug 2019)
8. Graduate studies committee (Sep 2018-present)

Department Committees

1. Departmental council (Sep 2015-present)
2. Cultural committee and, workshops and conferences (Sep 2015- present)
3. Scientific research committee (Sep 2015-Aug 2017; Sep 2018-present)
4. Curriculum development and accreditation committee (Sep 2015-present)
5. Course planning committee (Sep 2015-Aug 2017; Sep 2018-present)
6. Employment and promotion committee (Sep 2017-present)
7. Library and scientific journal (Sep 2019- present)
8. Social work committee (Sep 2019- present)

Conferences and Workshops

- Workshops: European union Erasmus + HiCure (Health informatics integrated curricula in computing and health-oriented undergraduate degrees)
 1. Istanbul – turkey 2017, 2019
 2. Lisbon – Portugal 2017, 2019
 3. Hebron – Platesine 2018
 4. Krefeld – Germany 2018
 5. Toulouse – France 2018
 6. Amman – Jordan 2019
- The Second International Conference on ethics of Clinical trials in Jordan on August-2017 as part of the University of California San Diego (UCSD) Research Ethics Program In Jordan: Responsible Conduct of Research (RCR) in collaboration with Jordan University of Science and Technology (JUST).
- Jordan Society of Scientific research 2018. Eighth Conference (University of Jordan).
- Jordan Dental Association (JDA) conferences

Research Collaborators

Jordan

- Bustanji, Ph.D. Deputy Dean Professor of Biochemistry and Clinical Chemistry Department of Clinical Pharmacy and Biopharmaceutics Faculty of Pharmacy, University of Jordan Queen Rania st, Amman 11942 Jordan Cell: +962 79 8515388 Tel Office: (+962-6) 5355000 ext 23359, secretary 23293 Fax: +(962-6) 5300250 Email: bustanji@ju.edu.jo
- Hamdi Mango Centre for Scientific Research, The University of Jordan, Amman, Jordan
- Dr. Aiman Qtaitat, Associate Professor, Faculty of medicine – Mutah University
Tel: (00962) 0779793268 – Email: aimanaq@mutah.edu.jo
- Dr. Abd Al-Rahman Al-Shudeifat, Assistant Professor – Hashemite University, Jordan.
Tel: (00962) 0779793268 – Email: abdsalem29@hu.edu.jo

International

- Dr. Sarah Rees, Associate Professor – Medicine – Swansea University
Tel: (01792) 602174 – Email: s.g.rees@swansea.ac.uk
- Dr. Ilyas Khan, Associate Professor, Biomedical Sciences – Swansea University
Tel: (01792) 602588 – Email: i.m.khan@swansea.ac.uk

Reviewer for Scientific Journals

1. Jordan Journal of Biological Sciences (JJBS)
2. Journal of Orthopaedic Surgery and Research

Skills

- Computer's skills – Excellent
- Communication skills – Excellent

References

- Dr. Sarah Rees, Associate Professor – Medicine – Swansea University
Tel: (01792) 602174 – Email: s.g.rees@swansea.ac.uk
- Dr. Ilyas Khan, Associate Professor, Biomedical Sciences – Swansea University
Tel: (01792) 602588 – Email: i.m.khan@swansea.ac.uk
- Dr. Aiman Qtaitat, Associate Professor, Faculty of medicine – Mutah University
Tel: (01792) 0779793268 – Email: aimanaq@mutah.edu.jo
- Prof. Murad Al-Holy, Department of Clinical Nutrition and Dietetics, Faculty of Applied Medical Sciences, Hashemite University, Zarqa, Jordan.
Email: murad@hu.edu.jo ----- Tel: +962-(5)-3903333, Ext.: 5389
- Prof. Mahmoud Abu Ghoush, Dean of the Faculty of Applied Medical Sciences, Hashemite University, Zarqa, Jordan.
Email: abulaith@hu.edu.jo ----- Tel: +962-(5)-3903333, Ext.: 5350

Personal information:

Date of birth: 22th June 1970.
Nationality: Jordanian
Mortal status: Married, five kids
Native language: Arabic
Foreign language: English