

# Curriculum Vitae

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## **Personal information:**

**Name:** Zeid Ahmad Al-Hourani

### **Work address:**

Jordan University of Science and Technology, Faculty of Applied Medical Sciences, Applied Dental Sciences Department, Jordan, P.O.Box 3030, Irbid 22110

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## **Contact information:**

**Email:** zahorani@just.edu.jo

zaid.alhourani@gmail.com

**Cell:** 00962 797 583 679

00962 795 606 081

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## **Education:**

**2008: PhD in Dental Technology**, University of Wales Institute Cardiff. Cardiff-UK.

**Thesis Title:** Development of a Prototype Device to Determine the Fit of Removable Partial Denture Frameworks

**2003: MSc in Dental Technology**, Queen Mary, University of London. London-UK.

**Dissertation Title:** Development of Novel Acrylic Resin Soft Lining Materials With Improved Compliance

**2000: BSC in Dental Technology**, Jordan University of Science and Technology.

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## **Academic appointments:**

**2018- Present:** Full time Associate professor of Dental Technology, Department of Applied Dental Sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology, Jordan

**2008-2018:** Full time Assistant professor of Dental Technology, Department of Applied Dental Sciences, Faculty of Applied Medical Sciences, Jordan University of Science and Technology, Jordan.

**2010-2012:** Acting Chairman of Applied Dental Sciences Department, Faculty of Applied Medical Sciences, Jordan University of Science and Technology, Jordan.

**2012-2016:** Vice Dean, Faculty of Applied Medical Sciences, Jordan University of Science and Technology, Jordan.

**2003-2008:** Part-time Personal English Interpreter, Ace Language Services, Cardiff, UK.

**2003-2008:** Part-time Marketing and Administration Officer, Uni. Directory@ Student Services, Cardiff, UK.

**2002-2003:** Clinical Attachment at the Bart's and the Royal London Hospital, London, UK.

**200-2001:** Dental Laboratory Technician and Teaching assistant, Dental Teaching Center, Faculty of Dentistry, Jordan University of Science and Technology, Jordan

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## **Teaching experiences:**

- **Teaching courses:** Advanced Removable Prosthodontics, Administration & Quality Assurance in Applied Medical Sciences Applied Fixed Prosthodontics, Applied General Dental Technology, Applied Orthodontics, Applied Partial Removable Prosthodontics, Complete Removable Prosthodontics, Dental Materials, Fundamentals of Dental Technology, Introduction to Dental Sciences & Dental Terminology, Maintenance of

Equipments & General Safety in The Dental Technology Laboratory, Oral & Dental Health, Technology of Metal.

- **Supervision and coordination courses:** Dental Technology labs, Research method and seminars, Supervision of Postgraduate Students.
  - **Coordinated the first advanced CAD/CAM Diploma** in Jordan through the Consultative Center for Science and Technology (CCST) at Jordan University of Science and Technology
  - **Teaching Philosophy:** My philosophy in teaching is to support students in and out of classroom, to build their self-confidence and independence. it is my aim to contribute in building the capacity of tomorrow's leaders in all aspects of life . I invest my time and effort to build an interactive teaching mechanism employing the problem solving technique and research in every course of study. I look forward to work in multicultural environment in order to gain and exchange experience and knowledge.
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### **Research experience:**

#### **Peer Reviewer:**

- European Scientific Journal (ISSN: 1857-7881)
- Journal of Oral Hygiene & Health (ISSN: 2332-0702)
- The Annals of Medical and Health Sciences Research (ISSN 2141-9248)

#### **Research interests:**

Dental Materials and biocompatibility & toxicology of dental materials used in dental laboratories and their effect on the health of dental technologists. development and evaluation of dental material and their mechanical properties.

- **Publications**

- Robert J Williams, Tahseen Rafik and **Zeid Al-Hourani**. An Electronic Method for Measuring the Fit of Removable Partial Denture Frameworks to Dental Casts. The Journal of Engineering Research Vol. 6, No.1, (2009) 15-20
- **Zeid Al-Hourani**, Mansour Al-Sarhani, Ahed Al-Khatib. Chromium And Cobalt Levels Among Dental Technicians In The Northern Jordan. European Scientific Journal July 2013 edition vol.9, No.21
- Hatamleh MM, Jaradat E, Nawafleh N, Bibars A, **Hourani Z**, Watson J. Up-to-date status of craniofacial implants- A literature review. The Journal Of Maxillofacial Prosthetics & Technology Volume 11 Issue 22012 27-30
- **Zeid Al-Hourani**, Ahed J. Alkhatib, Abdalrahman AlBalwi and Mansour AlSarhani, 2016. Occupational Exposure to Heavy Metals in Two Occupational Settings in Jordan. Research Journal of Biological Sciences, 11: 17-22.
- **Al-Hourani, Z.**, Nazzal, M., Khader, Y., Al Mhdawi, K., & Rahim Bibars, A. (2017). Work-related musculoskeletal disorders among Jordanian dental technicians: Prevalence and associated factors. *Work*, 56: 4, 617-623
- **Al-Hourani Zeid A**, Bibars Abdel Rahim M, Alfwaress Firas S, Shboul Yasemin A, AlShyyab Awni. Increase Hsp90 in Rats' Lungs Exposed to Self-Cure Acrylic Methyl Methacrylate Monomer. *International Journal of Toxicological and Pharmacological Research* 2016; 8(6); 471-474
- **Zeid A Al-Hourani** , Nour S Erekat , Soheir M Al-Mansi. Heat-Cured Methyl Methacrylate Induces Increased Expression of HSP70 and iNOS in the Liver. *International Journal of Toxicological and Pharmacological Research* 2017; 9(2); 93-98
- Khader A. Almhdawia;, Virgil Mathiowetz, **Zeid Al-Hourani**, Yousef Khader, Saddam F. Kanaan and Mustafa Alhasan. Musculoskeletal pain symptoms among allied health professions' students: Prevalence rates and associated factors. *Journal of Back and Musculoskeletal Rehabilitation* -1 (2017) 1–11 (In press)

- Abdel Rahim M Bibars; **Zeid Al-Hourani**; Yousef Khader; Mark Waters Effect of Thixotropic Agents as Additives on the Mechanical Properties of Maxillofacial Silicone Elastomers. JPD-(2017) 17-008 (In Press)
- Abdel Rahim M. Bibars, Firas S.D. Alfwaress, Abed Al-Hadi Hamasha, **Zeid A. Al-Hourani**, Khader Almahdawi; Prosthodontic Rehabilitation of Arabic Speaking Individuals with Velopharyngeal Incompetence: A Preliminary Study. The Open Dentistry Journal (11):2017: 436-446

### **Training workshops:**

- IPS d.SIGN, IPS Empress 2 Basic Course International Centre for Dental Education – Ivoclar
- PanaDent™ Training Centre for Metal-Free VITA Omega 900 Porcelain Prosthesis.
- Certificate in research Methods, University of Wales Institute, Cardiff
- Research skills week, University of Wales Institute, Cardiff
- Scientific Manuscript writing workshop, RESCAP-MED, Jordan
- Surgical Aspects of Implants, Faculty of Dentistry, Jordan University of Science and Technology
- Course Networking for Research Students, University of Wales Institute, Cardiff UWIC
- Participated in Euromed Youth Platform/ Queen Mary University of London. London UK
- Testing and Evaluation “University Examinations”. Academic Development Centre, Jordan University of Science and Technology
- Modern University Instructional Methods, Academic Development Centre, Jordan University of Science and Technology
- Statistical Package for Social Sciences, Academic Development Centre, Jordan University of Science and Technology

## **Research Funds:**

1. Evaluation the toxic effect of heat- cured Methyl methacrylate on mice. Grant Number (141-2014). (Principle investigator)
2. Work-related musculoskeletal disorders among Jordanian dental technicians: Prevalence and associated factors. Grant Number (148-2015) (Principle investigator)
3. Respiratory Findings in Dental Laboratory Technicians in Jordan. Grant Number (237-2015) (Principle investigator)
4. The Effect of Ultrasonic on Five Denture Cleansers on Nicotine Stain Removal from PMMA Acrylic Resin (0027-2012) (Principle investigator)
5. definition of centric relation position and the dentists' behavior toward using it as a treatment position in the private dental clinics in northern Jordan. Grant Number (0004-2012) (Principle investigator)
6. Investigation of Cobalt and Chromium toxicity among Dental Technicians in North Jordan. (Principle investigator)
7. Evaluation of the toxicity of nickel, cadmium and copper among persons working in jewelry manufacturing. (Principle investigator)

## **Ongoing Research**

1. Accuracy of Duralay Acrylics compared to Inlay Wax in constructing Resin-Bonded Bridges
2. Respiratory Health and Safety precautions in the Dental Laboratories in North Jordan
3. Fracture resistance of solder joint in between Band and loop space maintainer
4. Prosthetic treatment of edentulous patients with chronic dry mouth (Xerostomia)
5. Smoking cessation: Health professionals' self-reported behaviors, knowledge and attitudes
6. In Vitro Study comparing the optical and mechanical properties of pre-shaded to non-shaded zircon CAD/CAM blanks
7. Career pathways and professional satisfaction: A follow-up study of applied medical sciences graduates of the Jordanian Universities

## **Management experience:**

### **Acting Chairman:**

- Acting Chairman of 2 different specialties including Dental Technology, and Allied Dental Sciences in the department of Applied Dental Sciences
- Hiring and recruiting faculty and technical staff through exams and interviews
- Building web-based study timetables in each teaching semester for Dental Technology, and Allied Dental Sciences students in the department of Applied Dental Sciences
- Design and develop the study curriculum of different majors including Dental Technology, and Allied Dental Sciences in the department of Applied Dental Sciences
- Participation in decision making in the faculty committee meetings regarding different issues such as budget, recruitment, and sponsoring scholars
- Coordination with hospitals, clinics and labs regarding student clinical training

### **Vice Dean:**

- Worked collaboratively with the Dean in managing the affairs of the Faculty;
- Deputize for the Dean when he is not available or is delegated to do so;
- Responsible for the successful introduction of all program modifications and improvements in co-ordination with the HoD;
- Assisted the Dean in disseminating regulations and explaining to the staff any modification in the University bylaws;
- Assisted the Dean in ensuring the adoption of high academic standards and quality assurance practices in learning and teaching throughout the Faculty;
- monitored the Examinations process including preparation of the examination and invigilation timetables, and supervising the examination officers, including copying , receipt and storage of examination papers;
- solved student issues and problems within the JUST regulations in co-ordination with the Dean;
- To deputize any duties as agreed by the Dean;
- To undertake other duties as reasonably may be required by the Dean