

Curriculum Vitae

Name: Isra' A. Al.Bakri
Sex: Female
Date of Birth: 14/4/1978
Marital Status: Married
Place of Birth: Amman/Jordan
Nationality: Jordanian/Australian
Mother language: Arabic
Other Languages: Fluent spoken and written English
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Amman/Jordan

Qualifications:

BSC (Dental Technology) 1996-2000 Jordan University of Science and Technology, *Jordan*.
M Phil (Dental Material) 2001-2002 Queen's University of Belfast, *UK*
(Dental materials and dental technology).
PhD (Biomaterials& Biotechnology) 2010-2014 University of Sydney, Australia
(Biomaterials and Bioengineering)

Practical Experience:

2000-2001 Teaching Assistant : Duties involved supervising dental and dental technology students in the laboratories sessions, demonstrations, preparing the students study models, preparing the laboratory required materials, maintenance of equipment and fabricating a wide range of appliances and restorations including

- Removable prosthodontic cases (complete dentures, transitional partial dentures, and cobalt-chromium frameworks).
- Fixed prosthodontic cases (bridges, crowns, laminate veneer, resin-bonded bridge, inlays, onlays) these were both metal, metal-ceramic and all-ceramic restorations.
- Maxillofacial prosthodontic cases (obturators, external ears, fingers, noses) these were training cases not patient cases.

2001-2002 MPhil course at the school of clinical dentistry at Queens University Belfast/UK.

2002-2006 Full time lecturer in Jordan University of Science & Technology. This includes teaching the theoretical & practical material of several courses such as; dental morphology, dental materials, basic techniques, removable and fixed prosthesis. It also includes administrative duties of the dental laboratories like purchasing materials, equipment, preparing the teaching materials, maintenance of devices and equipment, evaluating students, supervising junior dental technicians.

2006-2007 Full Time Dental technician at Al-Zytooneh Dental laboratory Responsible for fabricating metal-ceramic, all ceramic and implant retained prostheses for clinical cases and research specimens.

2008- 2009 Chief Dental Technician in Hail Dental Center, Ministry of Health, KSA. Responsible for continuous education scheme for the dental technicians in ministry of health /Hail region.

2010-2014 PhD candidate in Department of Biomaterials/School of Dentistry/University of Sydney, Australia.

2015-current Assistant Professor, Department of Applied Dental Sciences/Faculty of Applied Medical Sciences/ Jordan University of Science and Technology –Jordan

2016-2017 Chairperson of applied dental sciences department/Faculty of applied medical sciences/ Jordan University of science and technology

Clinical Experience:

- Manufacturing appliances for a wide variety of patients Dental Teaching Center/Jordan University of Science and Technology.Irbid/Jordan
- Fabricating prosthodontic appliances for clinical cases at the school of clinical dentistry in Belfast/UK
- Assisting in fabricating maxillofacial prosthesis for clinical cases at Ulster hospital in Northern Ireland/UK, which involved taking impression, wax-up, shade selection and fabricating silicone prosthesis
- Founded a team work to treat maxillofacial cases in cooperation with plastic surgeon and maxillofacial surgeon at King Abdullah Hospital/Irbid/Jordan.
- Volunteering in maxillofacial assistance with International Operation Smile Organization/ Jordan. Treating less fortunate

- children with cleft lip and palate cases.
- Supervising and approving all the clinical cases fabricated by dental technology students before delivery. which includes removable prosthesis, crown and bridge restorations, all ceramic restorations porcelain veneers.
- Organizing students hand works Exhibition at the faculty of applied medical sciences. Fun Day for Dental technology students and other students' activities.

Research Experience:

- **2001-2002** MPhil thesis about the accuracy of various impression techniques.
- **2002-present** Supervising undergraduate student's graduation research projects.
- **200-2001** Assist in various research projects with members of staff in the faculty of dentistry including preparing of all –ceramic samples, implant-retained crowns and standardized dies.
- **2002-2004 Design** and prepare manual for dental technology work, including more than 150 photos with proper procedure description.
- **2010-2014 PhD thesis** about novel modification technique of PMMA denture base material and generate fluoride releasing dentures.
- **2012-2014** Evaluate the undergraduate dental students in faculty of dentistry/University of Sydney for their Biomaterial projects.
- **2015-present** Ongoing research proposals in JUST funded and approved by the deanship of scientific research.
- **2018-2020 Supervising two master students** as Main supervisor. Faculty of medicine/Department of Public Health at Jordan University of Science and Technology. Irbid/Jordan
- **2022-present Supervising one master students** as Co-supervisor. Faculty of Dentistry/Department of Prosthodontics at Jordan University of Science and Technology. Irbid/Jordan.
- **2020 Participating in examining committee** for master students at JUST.

Conferences:

- The Pan European Festival of Oral Sciences. Cardiff/UK, 2002 Al-Bakri IA. Dimensional stability of maxillary models using various impression techniques. Abstract No 743.
- The FDI conference in Montreal/Canada, 2005 (Poster).
- The Jordanian Dental Technician Conference (Presentation), 2005.
- The Syrian Dental technicians association Conference, 2006 (Presentation entitled: precision attachments).

- The Jordanian Dental Technician Conference (Presentation), 2007.
- 20th Saudi Dental Society & 2nd National Guard New Dental Era International Conference, 2009. Riyadh/KSA.
- Sharjah Dental School International Conference, UAE, Sept. 2011. (Poster).
- The FDI conference in Istanbul, Turkey, Sept. 2013. (Poster).
- The FDI conference in Poznan, Poland, Sept. 2016. (published abstract for oral presentation)
- Faculty of Dentistry research day, Sydney, Australia, Sep. 2010, oral presentation.
- FDI conference in Madrid, Spain, August 2017 (poster presentation)
- IOA Italian Organization Sardinia, Italy 2018

Publications:

- 1- **Al-Bakri IA**, Hussey D, Al-Omari WM. **The dimensional stability of four impression techniques with the use of addition silicone impression materials.** *Journal of Clinical Dentistry* 2007; 18:29-33.
- 2- **Al Bakri I**, Ellakwa A, Swain M, Martin E, Naoum S, AlOmari W. **Fluoride release, recharge and flexural properties of polymethylmethacrylate containing fluoridated glass fillers.** *Aust Dent J.* 2014 Jun;59(2):208-14.
- 3- **Al Bakri I**, Ellakwa A, Swain M, Chrzanowski W, Harty D, AlOmari W. **Surface characteristics and microbial adherence ability of modified PMMA by fluoridated glass fillers.** *Aust Dent J* 2014 Dec 27;59(4):482-9.
- 4- **Al Bakri I**, Ellakwa A, Swain M, Chrzanowski W. **Atomic force microscopy (AFM) and Nanoindentation assessments of hardness, surface roughness and topography of fluoride -releasing PMMA denture base material.** Submitted to *Acta Biomaterialia* journal.
- 5- T Thomé, MCG Erhardt, AA Leme, **IA Al Bakri**, AK Bedran-Russo **Advanced Polymers in Medicine**, May – 2014, springer p: 265-296 chapter book
- 6- SM Alshatrat, **IA Al-Bakri**, WM Al-Omari, NA Al Mortadi **Oral health knowledge and dental behavior among individuals with autism in Jordan: a case-control study** *BMC Oral Health* 21 (1), 1-8
- 7- SM Alshatrat, JM Sabarini, HM Hammouri, **IA Al-Bakri**, WM Al-Omari. **Effect of immersive virtual reality on pain in different dental procedures in children: A pilot study** *International Journal of Pediatric Dentistry* 32 (2), 264-272

- 8- SM Alshatrat, **IA Al-Bakri**, WM Al-Omari. **Dental service utilization and barriers to dental care for individuals with autism spectrum disorder in Jordan: A case-control study. International Journal of Dentistry 2020**
- 9- **IAA Bakri**, WMA Omari, AY Ananzeh, SM Alshatrat . **Evaluation of Knowledge, Attitude and Practice of Cross Infection Control Among Students of Dentistry, Dental Hygiene, and Dental Technology in Jordan. The Open Dentistry Journal 15 (1)**
- 10- S Alshatrat, **IA AL Bakri**, WAL Omari, A Tabnjh. **Oral Health Knowledge, Behaviour, and Access to Dental Care in Visually Impaired Individuals in Jordan: A Case-Control Study. The Open Dentistry Journal 15 (1)**
- 11- Al-Hourani ZA, Almhdawi KA, **Al Bakri IA**, Alibrahim AN, Obeidat D. **Health and Quality of Life of Individuals with Dental Conditions during COVID-19 Lockdown in Jordan. Oral Health & Preventive Dentistry. 2022 Nov 1;20(1):449-55.**
- 12- Al-Mortadi N, Bataineh K, **Al bakri I. A Three-Dimensional Finite Element Analysis of Polyetheretherketone PEEK in Dental Implant Prosthesis: A Novel Implant System. The Open Dentistry Journal. 2022 Mar 28;16(1).**
- 13- **IA AL Bakri**, Khader Y, Al Hourani ZA, Alshatrat SM. **Evaluation of Knowledge, Awareness, Preparedness, and Measures among Dental Technicians Attending COVID-19 in Jordan. The Open Dentistry Journal. 2023 Jun 22;17(1):1-9.**
- 14- **IA Al Bakri**, ZA Al-Hourani AN WMA Omari, Hatamleh MM. **Evaluation of shade reproducibility and mechanical properties of preshaded and manually-shaded monolithic zirconia. Operative Dentistry; Accepted Aug/2023**

Awards

- First place, Colgate Award for the Best PhD Research Presentation. Faculty of Dentistry research day, Sydney, Australia, Sep. 2012, oral presentation.
- Australian Postgraduate Award (APA) 2011-2014.
- Jordan University of science and technology full scholarship 2001-2002.

Courses:

- Certificate of Innovation Management level1, King Abdullah II Centre for Excellence and GIMI , July 2022.
- "How to Become A Master" 2-days hands on training, Dead Sea/Jordan 2021
 - 2 days course of “Development of Program Educational Objectives workshop”
 - Certificate of TOT (Training Of Trainers)
 - “Higher education cooperation Day”, held by Erasmus+ office Jordan hosted by European Union , Oct,2016
 - 2 Days course “Biomedical Ethics workshop” held by ADC. Aug,2016
 - Attend “Assessment and innovative Teaching Methods in Applied Medical Sciences “ Jan,2016
 - 2 days course of Horizon 2020 “how to write proposal for Horizon grant workshop” hosted by European Union Nov,2016
 - I have given a hand-on training course in" Principles of Fabricating Silicon Maxillofacial Prostheses" in 2007.
 - VITAVM 13-One day product workshop by VITA.
 - "Maxillofacial Prosthodontics" at Ulster Hospital/UK.
 - I have attended a course on **Communication Skills** ,Belfast/UK July 2002
 - Training course in **Testing and Evaluation ‘University Examination’** JUST /Jordan. February 2006
 - Organize a and-on raining course in (*e-max*) system with IVOCLAR company in Hail Dental Center/ Hail-KSA 2009.
 - Organize a and-on raining course in (*3D Master shade*) system with VITA company in Hail Dental Center/ Hail-KSA 2009.
 - Certificate of **CPR** ,Ministry of health, Hail/KSA 2009
 - **Scanning Electron Microscopy (SEM)** beginner course, ACMM , University of Sydney, 2011.
 - Certificate in **Language Teaching** ,Faculty of Education, University of Sydney, 2012
 - International workshop on **Nanomedicine and Biomedical engineering.** Faculty of pharmacy, University of Sydney, 2014.

High Technology Practice:

- Nano indentation system UMIS
- Atomic Force Microscopy AFM
- Scanning Electron Microscopy SEM

Computer skills

- Image analysis software; Photoshop and Image J
- Microsoft office
- Statistical analysis; SPSS
- Web browsing.

Administrative activities

- Chairperson of applied dental sciences department/Faculty of applied medical sciences/ Jordan University of science and technology
- Member of quality assurance committee/ Faculty of applied medical sciences/ Jordan University of science and technology
- Member of accreditation and strategic plan committee/ Faculty of applied medical sciences/ Jordan University of science and technology
- Organizing the dental technology exhibition at Jordan University of Science and Technology
- Active member of the committees responsible for purchasing the dental laboratories equipment's and materials
- Actively involved in the maxillofacial prosthetic laboratory
- Active member of the accreditation committee in faculty of applied medical sciences.
- Students affairs and counseling committee
- Training and supervising students and evaluating the work quality

Hobbies:

- My passionate hobby is reading and traveling. I am interested in writing as well as photography. Very active in cultural activities and community voluntary service.
- Volunteer member in Smile Operation Organization for cleft lip & palate.

Referees:

1- Dr Ayman Ellakwa,
Associate Professor and Consultant of Prosthodontic Dentistry.
Sub Dean third year students
Restorative Department, School of Dentistry, University of Sydney,
Sydney, NSW
Australia.
Tel: 0061425153925
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2- Prof Nihaya Al -Sheyab,
Professor In Nursing
Dean of School of Applied Medical Sciences
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