

Malik Ismail Hudieb, BDS, PhD,

PERSONAL DETAILS

Address: Home: Amman Abu- Nusair. mobile: +962 796810384

Work: Jordan University of Science and Technology, Faculty of dentistry

Fax: +962-2-7095115 P.O.Box 3030 22110 Irbid-Jordan

E-mail: mihudieb@just.edu.jo , mhudeab@hotmail.com

QUALIFICATIONS:

- **Jordanian Dental Board / Periodontology** - Jordan Medical Council/ Amman-Jordan (Sept/ 2013)
- **PhD** (Oral Implantology and Regenerative Dental Medicine) - Tokyo Medical and Dental University - Tokyo-Japan (Oct/2006 - Sept/2010)
- **Bachelor of Dental Surgery (BDS)**- Faculty of Dentistry- University of Jordan (Sept/ 1999- July/2004)
- **Second Secondary certificate** – Al-Ettihad schools, Amman-Jordan (Aug/ 1999)

PROFESSIONAL/ CLINICAL QUALIFICATIONS:

- Certificate of clinical profession practice test in Periodontology: Jordan Medical Council/ Amman-Jordan (Sept/ 2013).
- Certificate of Clinical Experience in Oral Implantology and Regenerative Dental Medicine. Tokyo Medical and Dental University - Tokyo-Japan (Oct/2006 - Sept/2010)

ACADEMIC AND WORKING/ CLINICAL EXPERIENCE

Feb/2014–Present

Assistant Professor - Department of Preventive Dentistry- Faculty of dentistry- Jordan University of Science and Technology (Irbid- Jordan).

Feb/2012- Sep/ 2013

Full-time Lecturer - Department of Preventive Dentistry- Faculty of dentistry- Jordan University of Science and Technology (Irbid- Jordan).

March/2011–Feb/2012:

Research Associate- Abdulla Bugshan Research Chair for Growth Factors and Bone Regeneration / Faculty of Dentistry-King Saud University (Riyadh-Saudi Arabia).

Oct/2010 –Feb/2011:

Visiting Researcher- Oral Implantology and regenerative dental Medicine -Tokyo Medical and Dental University (Tokyo- Japan)

Oct/2008 - Sept/2010: **Research Assistant-** Global Center of Excellence Program- Tokyo Medical and Dental University, Dental Hospital (Tokyo- Japan)

Jan/2005 - Sept/2006: **General Dental Practitioner** (clinic of special needs patients) and researcher - Arab Dental Center – (Amman- Jordan)

July/2004 - Jan/2005 **Internship Clinical Training** - Albasheer Hospital - Ministry of Health- (Amman-Jordan)

ADMINISTRATION POSTS:

Sep/2020- Sep/2021 **Assistant Dean:** Faculty of dentistry- Jordan University of Science and Technology (Irbid- Jordan).

Sep/2017- Sep/2018 **Deputy Director:** Center of Excellence for Innovative Projects/ Jordan University of Science and Technology (Irbid- Jordan).

Feb/2017-Sep2017 **Assistant Director:** Center of Excellence for Innovative Projects/ Jordan University of Science and Technology (Irbid- Jordan).

Sep/2014–Sep/2015 **Assistant Dean:** Faculty of dentistry- Jordan University of Science and Technology (Irbid- Jordan).

Oct/2012- Oct/ 2013 **Supervisor of Dental Internship Program/** Faculty of dentistry- Jordan University of Science and Technology (Irbid- Jordan).

GRANTS AND SCHOLARSHIPS:

- **Global Center of Excellence Program**, International Research Center for Molecular Science in Tooth and Bone Diseases: GCOE, **AISS** Member (Advanced International Super Student): *Oct 2008- Sept 2010*.
- **Monbukagakusho scholarship (Japanese Government- Ministry of Education, Culture, Sports, Science and Technology)**, PhD–course, Tokyo Medical and Dental University *2006-2010*

RSEARCH AND SCHOLARY ACTIVITES:

Patents:

- Osama Abu Hammad and **Malik Hudieb**.
Dental implant screw that produces less compressive stresses in surrounding bone, UK Patent Office, GB2425727 (granted 3/ 2011)
- Mohammad Melhem and **Malik Hudieb**.
Siwak Holder and Savior, Saudi Patent Office - King Abdulaziz City for Science and Technology, SA5175 (granted 12 /2016)

Patents Applied for:

- **Malik Hudieb**.
Dental Implant with gradual thread pattern. Feb/ 2021 (primary acceptance- Royal Scientific Society) - Center of Excellence for Innovative Projects- Jordan University of Science and Technology.
- **Malik Hudieb**.
Dental Implant design for enhanced stability. March/ 2021 (primary acceptance- Royal Scientific Society) - Center of Excellence for Innovative Projects- Jordan University of Science and Technology.

Refereed Journal Articles:

- **Hudieb, Malik**; Wakabayashi, Noriyuki; Suzuki, Tetsuya; Kasugai, Shohei; Morphologic classification and stress analysis of the mandibular bone in the premolar region for implant placement., International Journal of Oral & Maxillofacial Implants,25,3,,2010
- **Hudieb, Malik**; Kasugai, Shohei; ,Re: Biomechanical study of mandible bone supporting a four-implant retained bridge finite element analysis of the influence of bone anisotropy and foodstuff position, Medical Engineering and Physics,4,32,414,2010,
- **Hudieb, Malik I**; Wakabayashi, Noriyuki; Kasugai, Shohei; ,Magnitude and direction of mechanical stress at the osseointegrated interface of the microthread implant, Journal of periodontology,82,7,1061-1070,2011,American Academy of Periodontology
- **Hudieb, M**; Kasugai, S; ,Biomechanical effect of crestal bone osteoplasty before implant placement: a three-dimensional finite element analysis, International journal of oral and maxillofacial surgery,40,2,200-206,2011,Churchill Livingstone
- Javed, Fawad; Utreja, Achint; Correa, Fernanda O Bello; Al-Askar, Mansour; **Hudieb, Malik**; Qayyum, Faisal; Al-Rasheed, Abdulaziz; Almas, Khalid; Al-Hezaimi, Khalid;

,Oral health status in children with acute lymphoblastic leukemia, *Critical reviews in oncology/hematology*, 83,3,303-309,2012,Elsevier

- Fujiki, K; Aoki, K; Marcián, P; Borák, L; **Hudieb, M**; Ohya, K; Igarashi, Y; Wakabayashi, N; ,The influence of mechanical stimulation on osteoclast localization in the mouse maxilla: bone histomorphometry and finite element analysis, *Biomechanics and modeling in mechanobiology*,12,2,325-333,2013,Springer-Verlag
- Alkhader, Mustafa; **Hudieb, Malik**; ,Comparison of mesiodistal space measurements of single-implant sites on panoramic and oblique images generated by cone-beam CT, *Surgical and Radiologic Anatomy*,36,3,255-258,2014,Springer Paris
- Alkhader, Mustafa; **Hudieb, Malik**; Khader, Yousef; ,Comparison of mesiodistal measurements of single implant sites on panoramic images generated at different horizontal levels: A cone beam CT study, *Journal of Oral and Maxillofacial Radiology*,4,1,1,2016,Medknow Publications
- Alkhader, Mustafa; **Hudieb, Malik**; Jarab, Fadi; Shaweesh, Ashraf; ,The visibility of mandibular canal on orthoradial and oblique CBCT slices at molar implant sites, *Biotechnology & Biotechnological Equipment*,30,4,770-776,2016,Taylor & Francis
- Alkhader, Mustafa; **Hudieb, Malik**; Khader, Yousef; ,Predictability of bone density at posterior mandibular implant sites using cone-beam computed tomography intensity values, *European journal of dentistry*,11,03,311-316,2017,Thieme Medical and Scientific Publishers Private Ltd.
- Al-Humaidi, Saud F; Dar-Odeh, Najla S; Alnazzawi, Ahmad; Kutkut, Ahmad; **Hudieb, Malik**; Abu-Hammad, Osama; ,Volatile sulphur compounds in exhaled air of dental students smoking the waterpipe: a nested case control study, *Minerva stomatologica*,66,4,157-162,2017,
- **Hudieb, Malik Ismail**; Wakabayashi, Noriyuki; Abu-Hammad, Osama Abdullah; Kasugai, Shohei; ,Biomechanical effect of an exposed dental implant's first thread: A three-dimensional finite element analysis study, *Medical science monitor: international medical journal of experimental and clinical research*,25,,3933,2019,International Scientific Information, Inc.
- Alkhader, Mustafa; **Hudieb, Malik**; Kheirallah, Khalid; ,Effect of calibration of a medical review monitor on the visibility of mandibular canal at dental implant sites: A cone beam CT study,*Indian Journal of Dental Research*,31,6,883,2020
- **Hudieb, Malik**; Haddad, Adeeb; Bakeer, Mohammad; Alkhazaaleh, Ahmad; AlKhader, Mustafa; Taani, Dafi; Kasugai, Shohei; ,Influence of Age on Calvarial Critical Size Defect Dimensions: A Radiographic and Histological Study. *The Journal of Craniofacial Surgery*, (Accepted: Feb/2021)

- **Hudieb, Malik;** AlKhader, Mustafa; Mortaja, Salah; Abu Samak, Mohammad; Wakabayashi, Noriyuki ; Kasugai, Shohei, Impact of bone augmentation of facial bone defect around osseointegrated implants: A three dimensional finite element analysis. Dentistry Journal (Accepted Sep/ 2021)

Oral Presentations And Poster Sessions:

- **Hudieb M., N Wakabayashi, Suzuki, Kasugai S,**
Morphological Classification and Stress Analysis of Mandibular Bone for Implant Placement. (Oral), 4th Annual Scientific Meeting of the Asian Academy of Osseointegration, (Hiroshima-Japan July 18, 2008)
- **Hudieb M., N Wakabayashi, Suzuki, Kasugai S,**
Alveolar Bone Morphology in Dental Implant Treatment. First Global Center of Excellence Program Retreat, (Shonan-Japan March 23&24, 2009) (Oral)
- **Hudieb M., Kasugai S,**
The Biomechanical Effect of Crestal Bone Osteoplasty for Implant Placement: A Three Dimensional Finite Element Analysis Study (Poster) The Second Pacific Osseointegration Conference. (Tokyo-30&31 May /2009)
- **Hudieb M., N Wakabayashi, Kasugai S,**
Dental Implants neck design, Second Global Center of Excellence Program Retreat, (Tsukuba-Japan February 21&22, 2010)
- **Hudieb M., N Wakabayashi, Kasugai S,**
Stress Transferring Mechanism around Microthreaded and Smooth Dental Implants Biomechanical Rationale of Microthread Implant Design (Oral)
IADR General Session 88th General Session of the International Association for Dental Research, (Barcelona – Spain, July 14-17, 2010)
- **Hudieb M., N Wakabayashi, Kasugai S,**
Biomechanical effect of exposed dental implant threads: A 3D Finite element analysis, European academy of osseointegration: (Rome – Italy, Sep 2-5, 2014)
- **Hudieb M.,**
Dental Implant Designs, Scientific day - Jordanian Dental Implant Society (Amman – Jordan, Sep 5, 2016)

PhD Thesis : Dental Implant Design and Bone Morphology (Tokyo-2010)

THESIS SUPERVISION (MClinDent students):

- Visibility of Mandibular Canal and Position of Mental Foramen and Their Correlation With Mandibular Bone Density and Morphology on Cone Beam Computed Tomography Images (2018)
- Evaluation of the Age-Related Changes on Rat Calverial Critical Size Defect Dimensions: A Radiographic and Histological Study (2017)
- Evaluation of Critical Size Defect Dimensions in Diabetic Rats: A Radiographic and Histological Study (2016)

Supervised Training Courses (Consultative Center for Science and Technology- Jordan University of Science and Technology):

<i>Sep/2015</i>	Introduction to research in the medical and dental fields
<i>2016-present</i>	Insert Your First Implant
<i>2019-present</i>	Oral Implant and Regenerative Dentistry

PROFESSIONAL ASSOCIATIONS:

- International Association for Dental Research
- Jordanian Dental Association
- Saudi Dental Society
- Asian Academy of Osseointegration

ACTIVITIES AND SERVICES:

- Member of the Innovation Committee – Center of Excellence for Innovative Projects- Jordan University of Science and Technology (Sep/ 2017-Sep/ 2019).
- Member of the Judgment Committee – First Innovation/ Creativity Olympiad at Jordan University of Science and Technology (March 21-22/ 2018)
- Member of local coordinating committee – “SAXEED.JET,” funded by the German Academic Exchange Service or Deutscher Akademischer Austausch Dienst (DAAD), 2017
- Member of the Dental Health Education Committee- Jordan Dental Association (Sep/2015-Sep/ 2016)
- Member of the Comprehensive Dental Exam Committee- Jordan Medical Council (Sep/ 2013- Sep/ 2014)

- Volunteer dental day at Al Manar Center for Special Education (26/2/2015)
- Volunteer Dental day at Sakeb/ Jerash (7/3/2015)
- Outreach Dental visits for special-needs centers/ schools (Community Dentistry -Dent 524- for fifth grade dental students):
 - Community Rehabilitation Center / Irbid Camp 3/3/2019
 - Al-Awj Center for Special Education and Autism (20/3/2019)
 - Wasan Specialized Center for Autism and Special Education (26/3/2019)
 - The Jordanian Al-Awn Center For special education on Sunday (24/3/2019)
 - Al Manar Center for Special Education (28/3/2019)

CERTIFICATION AND TRAINING:

The Academic Development Center – Jordan University of Science and Technology:

- Orientation / Qualification of newly appointed faculty members (Oct 23/10/2013)
- Theory and Practice of Problem-Based Learning in Dental Education (Oct 27-28/ 2013)
- Statistical Data Analysis Using Minitab (Jan 3-4/ 2018)
- Development of Curriculum & Study plans (Jan 17-18/ 2018)

-

The World Intellectual Property Organization (WIPO):

- The WIPO National Workshop on the Patent Cooperation Treaty (PCT): The System for Worldwide Filing of Patent Applications – Amman- Jordan (March 20-21/ 2017)
- WIPO Sub-Regional Patent Drafting Course – in cooperation with the Industrial Property Protection Directorate of the Ministry of Industry and Trade and Supply – Amman- Jordan, May 14/ 2017 to July 1/ 2017.