

**DR. RAAD DAYEM**

**AMERICAN BOARD CERTIFICATES (NBDE, NERB) (USA)**

**MPhil-PhD ENDODONTICS (UNIVERSITY OF MELBOURNE)**

**BDS, MSc, PhD RESTORATIVE DENTISTRY AND ENDODONTICS (UNIVERSITY OF BAGHDAD)**

**Address** : 62 Becket Street North, VIC 3046, Australia

**Email** : kmcden@gmail.com

**Tel.** : +61 497259492

**Nationalities:** American, Australian, Iraqi

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**EDUCATION AND QUALIFICATIONS:**

MONTH/YEAR      QUALIFICATIONS                      SPECIALTY

ACADEMIC QUALIFICATIONS:

- 10/2022                      MPhil/ PhD              Endodontics, University of Melbourne (H1 First class honours)
- 12/2004                      PhD                      Restorative Dentistry and Endodontic/ UoBagh
- 06/2001                      MSc                      Restorative Dentistry and Endodontic / UoBagh
- 06/1994                      BDS                      Faculty of Dentistry/ UoBagh

CLINICAL AND PROFESSIONAL QUALIFICATIONS:

- 09/2020                      ADCI                      Australian dental council licensure examination.
- 03/2013                      NERB                      North East Regional Board Certificate, USA
- 01/2010                      NBDE                      American National Board Dentistry Certificate, USA.

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**EXPERIENCE:**

➤ ACADEMIC EXPERIENCE

- 3/ 2019-10/ 2022              Researcher at University of Melbourne/ Australia.
- 2016-2023                      Associate/Professor in the founding committee of American University of medical sciences in Kuwait
- 2013                              Troy research and & developmental center in Michigan / USA
- 2010– 2013                      A/Professor and Dean of school of dentistry/University of Duhok
- 2004 – 2008                      Assistant professor and vice dean of scientific affairs in the school of dentistry/ University of Sulaimani

- 1994 -2004 Academic in the faculty of dentistry/ UoBagh

➤ **CLINICAL EXPERIENCE AS A DENTIST AND DENTAL SPECIALIST**

- 11/2022-2023 Dental specialist - Crystal dental center/ Kuwait
- 2015-2019 Dental specialist - Kuwait medical center -dental / Kuwait
- 2014 Dental specialist - Al Zuhair medical center / Kuwait
- 2010- 2013 Florida health department, USA (license Florida DH)
- 2008-2010 Lutheran center in Minnesota, USA
- 1994-2008 Dentist and dental specialist in different medical and dental centers in different locations.

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❖ **MPhil-PhD thesis title:**

An investigation of cyclic resistance of files with different working part lengths and electrical resistivity as a possible predictor of NiTi instrument fracture.

❖ **PhD Thesis Title:**

A novel method for removing collagen network from acid etched dentin by using Nd:YAD laser.

❖ **MSc Thesis Title:**

In vitro study to compare the effect of different vehicles on the diffusion of Ca and OH ions from Ca(OH)<sub>2</sub> non setting paste through radicular dentin and cementum.

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**HONORS AND AWARDS:**

2022 patent in developing new apparatus to predict fracture of NiTi rotary instrument from University of Melbourne

2021 Research training scholarship/ University of Melbourne

2020 Rowden White Scholarship/ University of Melbourne

2019 Nomination from University of Melbourne to get “Distinguished Talent Visa- Permanent residency in Australia”

2019 Graduate research scholarship/University of Melbourne

2012 patent in preparation of new root canal filling material (TPU/CaCO<sub>3</sub>) 2004 patent in new application of laser in Restorative Dentistry

2011 Award from University of Mosul/ College of Dentistry.  
2012 Award from University of Mosul/ College of Dentistry  
2003 Award from University of Baghdad/ College of Dentistry

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### **SOCIETY MEMBERSHIPS:**

2020- Australian Dental Association  
2010- American laser surgery association,  
2008- IADR/ AADR  
2008- ADA  
2004-2013 Kurdistan dental association  
2003-2013 Iraqi laser association,  
1994-2013 Iraqi dental association  
2014- Kuwait dental association

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### **SKILLS SUMMARY:**

- Twenty eight years of clinical, academic and research experience in dentistry in different Universities, Medical and research centres.
- Licensed dentist and dental specialist in different countries: USA, Kuwait, Qatar and Iraq.
- Functioned well as a team leader when required, and worked effectively as a team member under the direction of other team leaders.
- Scientific research experience in different fields of dentistry and supervising many master and doctoral students.
- Three patents “develop a new apparatus to predict fracture of rotary NiTi instruments, a new technique to overcome nanoleakage in restorative dentistry and a new endodontic obturating material based on TPP and nanoparticles”

### **SOME PUBLICATIONS:**

1. Raad Niama Dayem .Anovel method for removing the collagen network from acid -etched dentin by neodymium: yttrium-aluminum-garnet laser. Lasers Med Sci. (2009) 24:93–99.
2. Raad N. Dayem. A comparison between the occluding effects of the Nd:YAG laser and the desensitizing agent sensodyne on permeation through exposed dentinal tubules of endodontically treated teeth: An in vitro study. Archives of Oral Biology (2006) 51,535—540.

3. Raad Niama Dayem. Assessment of the penetration depth of dental adhesives through deproteinized acid etched dentin by using Nd:YAG laser and sodium hypochlorite. *Lasers Med Sci* (2010) 25:17–24.
4. Raad Niama Dayem. The Effect of Two Demineralizing Agents on Apical Sealing of Retrograde Filling Materials (In Vitro Study). *MDJ* (2009) 6(4), 299- 306.
5. Raad N. Dayem . The efficacy of Er:YAG laser on intrapulpal temperature rise of class V cavity preparation. *Iraqi J. Laser, Part B, Vol.10, No.1, pp. 9 -14* (2011).
6. Raad Niama Dayem. Evaluation of the microleakage of different class V cavities prepared by using Er:YAG laser, ultrasonic device, and conventional rotary instruments with two dentine bonding systems. *Lasers Med Sci.* 2015 Apr; 30(3):969-75.
7. Raad Niama Dayem. A novel nano-Calcium carbonate- polyurethane-based root canal obturation material: synthesis and evaluation of some physical properties. *IAJD*, (2013)4, 3:97-102.
8. Raad Niama Dayem. A new method for treatment of dentin hypersensitivity by using nano fluor- hydroxyapatite and Nd:YAG laser: A scanning electron microscopic study. *IAJD*, (2013)4, 2:83-88.
9. Raad Niama Dayem. Assesment of the nanoleakage between different dentin adhesive systems and the acid etched dentin deproteinized by Nd:YAG laser and 10% NaOCl. *IAJD*, (2013)4, 1:16 -23
10. Raad Niama Dayem, Mona Tameesh. A new concept in hybridization bromelain enzyme for deproteinizing dentin before application of adhesive system. *Smile Dental Journal*, (2013)8, 1:18-23.
11. Dayem Raad. Evaluation of the effect of different light curing and adhesives systems on the polymerization shrinkage of dental: An in vitro study. *International Arab Journal of Dentistry* (2014), V. 5, 3, 102-109.
12. Dayem Raad. Evaluation of apical leakage of root canals obturated with Nd:YAG Laser and vertical condensation techniques using two types of endodontic :An in vitro study. *International Arab Journal of Dentistry* (2014), V. 5, 3,117-124.
13. Raad Dayem. Evaluation of the influence of three types of light curing systems on temperature rise, depth of cure and degree of conversion of three resin based composites (An In vitro study). *J Interdiscipl Med Dent Sci* 2014, 2-10.



# Nomination for Distinguished Talent

## Part A – Nomination by an Australian organisation

Name of nominating organisation

University of Melbourne

Address of nominating organisation

720 Swanston Street,

Merbourne,

Victoria

Postcode 3010

Telephone number

Office hours

(Area code 03 ) 9341 1500

Name of contact officer within the organisation

Professor Mike Morgan

Position of contact officer

Head of Melbourne Dental School

Describe how your organisation has acquired a national reputation in the same area or field as your nominee

The Melbourne Dental School is the leading dental school in Australasia as well as being very highly ranked internationally.

Do you agree to the Department communicating with you by fax, email or other electronic means?

No

Yes  Give details

Fax number

(Area code 03 ) 93411595

Email address

HOSDental@unimelb.edu.au

I hereby declare that the information I have supplied in this form is complete, truthful and correct in every detail.

Signature of contact officer

Day Month Year

Date

22-Aug-2019

Describe how your nominee in their profession, the arts, sport, or research and academia:

- has an internationally recognised record of exceptional and outstanding achievement;
- is still prominent; and
- would be an asset to the Australian community.

Dr Dayem's resume indicates that he has already established himself in international circles as a researcher of great ability and potential. He already has one PhD from the University of Baghdad and has been accepted by the University of Melbourne to undertake another PhD program in the discipline of Endodontics. This will place him in a very unique position of being an expert in more than one discipline, which is quite uncommon and demonstrates exceptional ability as a researcher. His two certificates from the National and North East Regional Boards in the USA further confirms his outstanding abilities academically.

Dr Dayem's prominence has also been recognised by the University of Melbourne, firstly because being accepted into a PhD program at the University is extremely competitive, and secondly he has been awarded a Graduate Research Scholarship, which is again extremely competitive. These achievements confirm Dr Dayem's outstanding abilities.

Dr Dayem will be a tremendous asset to the Australian community as a very high quality researcher in oral health care. Such researchers and academics are becoming very rare in Australia and we will derive great benefit from having Dr Dayem working in our community as well as in the University of Melbourne, an environment which will foster excellence in research to be translated into improved oral health care.

Is the nominee aged below 18 or above 55 years of age?

No

Yes  Indicate how the nominee would be of exceptional benefit to the Australian community
