



CURRICULUM VITAE

Name: Prof Dr Adam Husein

DOB: 14th July 1971

Nationality: Malaysian

Email: ahusein@sharjah.ac.ae

Working address: College of Dental Medicine, University of Sharjah, Sharjah, UAE

Current position: Professor of Prosthodontics, College of Dental Medicine, University of Sharjah, Sharjah, UAE

Academic Qualifications and Memberships:

1. BDS – University of Adelaide, Australia (1996)
2. Graduate Diploma in Clinical Dentistry – University of Adelaide, Australia (2000)
3. Doctor in Clinical Dentistry – University of Adelaide, Australia (2004)
4. Fellowship of the Royal Australasian College of Dental Surgeons/FRACDS (2003)
5. International Training Fellow (Oral Rehabilitation in Head and Neck Oncology), Faculty of Dental Surgery, The Royal College of Surgeons of England (2010)
6. Fellow International College of Dentists (FICD) 2016 – 2023
7. International College of Prosthodontics 2021 – 2022

Working and Teaching Experiences:

1. 1996 – 1999: Dental Officer/General Dentist – Malaysian Ministry of Health
2. 2000 – 2003:
 - a. Post graduate studies – University of Adelaide, Australia
 - b. Part time dental officer – South Australian Dental Service
 - c. Part time tutors – University of Adelaide's Dental School
 - i. Year 4 – Fixed Prosthodontics and General Dental Practice
 - ii. Year 5 – General Dental Practice and Oral Diagnosis

3. 2004 – 2021 – Universiti Sains Malaysia

a. Teaching/Supervision

- i. Post graduate – PhD, MSc and Master of Clinical Dentistry (Restorative)
- ii. Year 5 – Fixed and Removable Prosthodontics, Conservative and General Dental Practice
- iii. Year 4 – Removable Prosthodontics, Conservative and General Dental Practice
- iv. Year 3 and 2 – Removable Prosthodontics and Conservative Dentsitry
- v. Year 1 – communication skills

b. Administrative

- i. Deputy Campus Director of Health Campus (1.1.2019-31.12.2020) ii. Dean (1.3.2011-31.12.2018)
- iii. Acting Dean (1.3.2011-31.3.2011)
- iv. Acting Deputy Dean (1.12.2010-29.2.2011)
- v. Acting Dean (1.12.2006-31.12.2006)
- vi. Deputy Dean Academic and Student Development (1.12.2005- 31.12.2009)
- vi. Phase III (Year 4 & 5) Chairperson (1.7.2005-30.11.2005)
- vii. GDP Coordinator (1.7.2004-30.6.2005)

4. 2022 – now : University of Sharjah as Professor of Prosthodontics

Publications (2022-2016):

Books

1. Adam bin Husein (2020). Rawatan Prostodontik Menggantikan Kehilangan Gigi Manusia - Harapan dan Cabaran, Penerbit USM (Universiti Sains Malaysia). (ISBN 978-967-461-557-4)
2. Wan Muhamad Amir W Ahmad, Rabi'atul 'Adawiya Abdul Rohim, Muhamad Arif Awang Nawi, Adam Husein (2020). Advanced Data Analysis in Dentistry Using SPSS Modeler. Pulau Pinang: Penerbit Universiti Sains Malaysia. (ISBN 978-967-461-423- 2)
3. Wan Muhamad Amir W Ahmad, Norsamsu Arni Samsudin, Munirah Mohd Adnan, Adam Husein (2019). Sample Size Calculations (Study Design Based) Using PS Software and Sampling Selection. Pulau Pinang: Penerbit Universiti Sains Malaysia. (ISBN 978-967-461-297-9).
4. Wan Muhamad Amir W Ahmad, Mohamad Shafiq Mohd Ibrahim, Adam Husein, Mohd Fadhli Khamis (2018). Sample Size Calculations Made Easy Using G*Power. Pulau Pinang: Penerbit Universiti Sains Malaysia. (ISBN 978-967-461-255-9).

Journals

1. Zwiri, A.M.; Ahmad, W.M.A.W.; Asif, J.A.; Phaik, K.S.; Husein, A.; Kassim, N.K.; Ab-Ghani, Z. A Randomized Controlled Trial Evaluating the Levels of the Biomarkers hs-CRP, IL-6, and IL-8 in Patients with Temporomandibular Disorder Treated with LLLT, Traditional Conservative Treatment, and a Combination of Both. *Int. J. Environ. Res. Public Health* 2022, 19, 8987. <https://doi.org/10.3390/ijerph19158987>

2. Matheel A Rawas, Nazrul M Yusoff, Yanti Johari, Dasmawati Mohamad and Adam Husein. The Versatility of Flowable Composites. Part 1: Theory and New Classifications, Dent Update 2022; 49: July/August 2022. <https://doi.org/10.12968/denu.2022.49.7.553>
3. Ayman Al-Oulabi, Yanti Johari*, Adam Husein, Akram Hassan, Ramizu Shaari, Azirrawani Ariffin (2022). Neutral zone concept for implant placement in mandibular overdentures: a case report. Dental Update, 49(6): 522-525. <https://doi.org/10.12968/denu.2022.49.6.522>
4. Mohammed Noushad, Samer Rastam, Mohammad Zakaria Nassani, Inas Shakeeb Al-Saqqaf, Mudassir Hussain, Ali Ango Yaroko, Mohammed Arshad, Abdullahi Musa Kirfi, Pradeep Koppolu, Fayez Hussain Niazi, Ali Elkandow, Mahmoud Darwish, Ahmad Salim Abdalla Nassar, Sami Osman Abuzied Mohammed, Nasser Hassan Abdalrady Hassan, Ghadah Salim Abusalim, Abdulaziz Samran, Anas B Alsahani, Amir Mohiddin Demachkia, Renata Marques de Melo, Norhayati Luddin, Adam Husein et al. (2022). A Global Survey of COVID-19 Vaccine Acceptance Among Healthcare Workers. Frontiers in Public Health, Volume 9, Article 794673. <https://doi.org/10.3389/fpubh.2021.794673>
5. Hanan Ali Hameed, Haider Ali Hasan, Norhayati Luddin, Adam Husein, Azirrawani Ariffin, Mohammad Khursheed Alam (2022). Osteoblastic Cell Responses of Copper Nanoparticle Coatings on Ti-6Al-7Nb Alloy Using Electrophoretic Deposition Method. Biomed Research International, Volume 2022, Article ID 3675703. <https://doi.org/10.1155/2022/3675703>
6. Matheel Z. AL-Rawas, Beh Yew Hin, Yanti Johari, Zuryati Ab-Ghani*, Adam Husein (2022). Minimum Intervention in Managing Two Cases of Tetracycline Staining of Different Severity. Cureus 14(1): e21289. (WoS-Emerging Sources Citation Index). DOI: 10.7759/cureus.21289 https://assets.cureus.com/uploads/case_report/pdf/81703/20220215-30530-1qouqqp.pdf
7. Ahmed Mushfiqur Rahman, Nafij Bin Jamayet, Md Minhaz Ul Islam Nizami, Yanti Johari, Adam Husein, Mohammad Khursheed Alam (2021). Effect of tropical outdoor weathering on the surface roughness and mechanical properties of maxillofacial silicones. Journal of Prosthetic Dentistry (Q1) (Ahead of Print) (Impact Factor : 2.444). <https://doi.org/10.1016/j.prosdent.2020.07.026>
8. Shamima E. Nishi, Norma Ab Rahman*, Rehana Basri, Mohammad K. Alam, Nor Farid Mohd Noor, Siti Aishah Zainal, Adam Husein (2021). Surface Electromyography (sEMG) Activity of Masticatory Muscle (Masseter and Temporalis) with Three Different Types of Orthodontic Bracket. BioMed Research International, Volume 2021, Article ID 6642254. (Q3) (WoS-Science Citation Index Expanded). <https://doi.org/10.1155/2021/6642254>
9. Mohammed A. Mousa, Johari Yap Abdullah, Nafij B. Jamayet, Mohamed I. El-Anwar, Kiran Kumar Ganji, Mohammad Khursheed Alam, Adam Husein* (2021). Biomechanics in Removable Partial Dentures: A Literature Review of FEA-Based Studies. BioMed Research International, Volume 2021, Article ID 5699962. <https://doi.org/10.1155/2021/5699962>
10. Mohammed A. Mousa, Johari Yap Abdullah, Nafij B. Jamayet, Mohammad Khursheed Alam, Adam Husein* (2021). Biomechanical Stress in Obturator Prostheses: A Systematic

Review of Finite Element Studies. *BioMed Research International*, Volume 2021, Article ID 6419774. <https://doi.org/10.1155/2021/6419774>

11. Johari Yap Abdullah*, Abdul Manaf Abdullah, Low Peh Hueh, Adam Husein, Helmi Hadi, Zainul Ahmad Rajion (2021). Cranial Implant Design Applying Shape-Based Interpolation Method via Open-Source Software. *Applied Sciences*, 11: 7604. <https://doi.org/10.3390/app11167604>

12. Hasan Subhi, Adam Husein*, Dasmawati Mohamad, Nik Rozainah Nik Abdul Ghani, Asma-Abdullah Nurul (2021). Chitosan-Based Accelerated Portland Cement Promotes Dentinogenic/Osteogenic Differentiation and Mineralization Activity of SHED. *Polymers*, 13: 3358. <https://doi.org/10.3390/polym13193358>

13. Matheel AL-Rawas, Yanti Johari*, Dasmawati Mohamad, Mohd Fadhli Khamis, Wan Muhamad Amir W. Ahmad, Zaihan Ariffin, Adam Husein* (2021). Water sorption, solubility, degree of conversion, and surface hardness and topography of flowable composite utilizing nano silica from rice husk. *Journal of Materials Research and Technology*, 15: 4173-4184. <https://doi.org/10.1016/j.jmrt.2021.10.024>

14. Irfan Qamruddin, Mohammad Khursheed Alam, Verda Mahroof, Meenaz Karim, Mubassar Fida, Mohd Fadhli Khamis, Adam Husein (2021). Biostimulatory effects of low-intensity pulsed ultrasound on rate of orthodontic tooth movement and associated pain, applied at 3-week intervals: a split-mouth study. *Pain Research and Management*, Volume 2021, Article ID 6624723. (Q3) (WoS-Science Citation Index Expanded). <https://doi.org/10.1155/2021/6624723>

15. Irfan Qamruddin, Mohammad Khursheed Alam, Verda Mahroof, Mubassar Fida, Mohd Fadhli Khamis, Adam Husein (2021). Photobiostimulatory Effect of a Single Dose of Low-Level Laser on Orthodontic Tooth Movement and Pain. *Pain Research and Management*, Volume 2021, Article ID 6690542. (Q3) (WoS-Science Citation Index Expanded). <https://doi.org/10.1155/2021/6690542>

16. Marissa Baharom, Nor Aidaniza Abdul Muttlib*, Zaihan Ariffin, Adam Husein (2021). Fracture Resistance and Fracture Pattern of Maxillary Anterior Teeth Restored with Metallic and Nonmetallic Posts. *World Journal of Dentistry*, 12(3):194–199. <https://doi.org/10.5005/jp-journals-10015-1812>

17. Nur Syatirah Mohd Noor, Nor Aidaniza Abdul Muttlib*, Adam Husein (2021). The Significance of Knowledge, Instructions, Habits and Denture Hygiene Practice in Relation to the Maintenance of Denture Hygiene at Hospital USM's Dental Clinic. *Archives of Orofacial Sciences*, 16(1): 49–55. <https://doi.org/10.21315/aos2021.16.1.5>

18. Md Minhaz Ul Islam Nizami, Ahmed Mushfiqur Rahman, Nafij Bin Jamayet, Zuryati Ab-Ghani, Adam Husein (2021). Prosthetic rehabilitation of an ocular defect – a case report. *International Journal of Life Science and Pharma Research*, (Special Issue): 23-25 <http://dx.doi.org/10.22376/ijpbs/ijlpr/SP15/Oct/2021.1-25>

19. Fazal Shahid, Norma Ab Rahman*, Mohd Fadhli Khamis, Adam Husein, Mohammad Khursheed Alam, Shifat A Nowrin (2021). Low level laser therapy and its effect on pain during orthodontic treatment: A systematic review and meta-analysis. *Research and Reviews on Healthcare Open Access Journal*, 6(2): 575-584 <https://lupinepublishers.com/research-and-reviews-journal/pdf/RRHOAJ.MS.ID.000231.pdf>
20. Abdalwhab Zwiri, Mohammad A.a. Al-hatamleh, Wan Muhamad Amir Bin W Ahmad, Jawaad Ahmed Asif, Suan Phaik Khoo, Adam Bin Husein, Zuryati Ab. Ghani, Nur Karyatee Binti Kassim (2020). Biomarkers for Temporomandibular Disorders: Current Status and Future Directions, *Diagnostics*, 10(5), 303 (Impact Factor : 2.489). <https://doi.org/10.3390/diagnostics10050303>
21. Abbas Ibrahim Hussein, Ahmad Nazeer Che Mat, Nur Ain Adila Abd Wahab, Ismail Bin Ab Rahman, Adam Bin Husein, Zuryati Ab. Ghani (2020). Synthesis and Properties of Novel Calcia-Stabilized Zirconia (Ca-SZ) with Nano Calcium Oxide Derived from Cockle Shells and Commercial Source for Dental Application. *Q2, Applied Sciences*, 2020, 10, 5751:, 1-13 (Impact Factor: 2.472). <https://doi.org/10.3390/app10175751>
22. Hasan Subhi, Adam Husein*, Dasmawati Mohamad, Asma-Abdullah Nurul (2020). Physicochemical, mechanical and cytotoxicity evaluation of chitosan-based accelerated portland cement. *Journal of Materials Research and Technology*, 9(5): 11574-11586. (Q1). <https://doi.org/10.1016/j.jmrt.2020.07.108>
23. Abbas Ibrahim Hussein, Zuryati Ab. Ghani, Ahmad Nazeer Che Mat, Nur Atikah Ab Ghani, Adam Bin Husein, Ismail Bin Ab Rahman (2020). Synthesis and Characterization of Spherical Calcium Carbonate Nanoparticles Derived from Cockle Shells. *Q2, Applied Sciences*, 2020, 10, 7170, 1-15 (Impact Factor : 2.474). <https://doi.org/10.3390/app10207170>
24. Abdalwhab Zwiri, Manal Ahmad Alrawashdeh, Mohammad Khan, Wan Muhamad Amir Bin W Ahmad, Nur Karyatee Binti Kassim, Jawaad Ahmed Asif, Khoo Suan Phaik, Adam Bin Husein, Zuryati Ab. Ghani (2020). Review Article Effectiveness of the Laser Application in Temporomandibular Joint Disorder: A Systematic Review of 1172 Patients. *Q3, Pain Research and Management*, 2020 (Article ID 5971032), 1-10 (Impact Factor : 2.513). <https://doi.org/10.1155/2020/5971032>
25. Abdalwhab MA. Zwiri, Zuryati Ab. Ghani, Adam Husein, Khoo Suan Phaik, Nur Karyatee Kassim, Siti Aishah Zainal, Ab Rani Samsudin (2020). Obstructive Sleep Apnea and Its Relation with Temporomandibular Disorders: A Narrative Review. *Journal of International Oral Health*, 12(1): 8-14. 10.4103/jioh.jioh_246_19
26. Mohammed Assayed Mousa, Nafij Jamayet*, Edward Lynch, Adam Husein (2020). Biomechanical Stress in Removable Complete Dental Prostheses: A Narrative Review of Finite Element Studies. *Journal of International Oral Health*, 12: 413-419. 10.4103/jioh.jioh_190_20
27. Shamima Nishi , Norma Binti Ab Rahman , Adam Bin Husein , Nor Farid Bin Mohd Noor (2019). Surface electromyography (sEMG) activity of masseter and temporalis muscles with

different type of orthodontic brackets., Journal of International Dental and Medical Research (Impact Factor : 0.15)

28. Fazal Shahid , Norma Binti Ab Rahman , Mohd Fadhli Bin Khamis , Nowrin , Adam Bin Husein (2019). Low level laser therapy and its effect on pain during orthodontic treatment: a systematic review and meta-analysis, European Journal of Orthodontics (Impact Factor : 1.84)

29. Fazal Shahid , Norma Binti Ab Rahman , Mohd Fadhli Bin Khamis , Adam Bin Husein , Mohammad Khurseed Alam (2019). Chair side time and low level laser therapy application with conventional and self-ligating brackets system in orthodontic treatment: a randomized clinical trial. Journal of International Dental and Medical Research (Impact Factor: 0.15)

30. Fazal Shahid, Norma Ab Rahman*, Mohd Fadhli Khamis, Adam Husein, Mohammad Khurseed Alam (2019). Bone Density, Arch Dimensions and Irregularity Index of Human Maxillary Arch: A Pilot Study. Journal of International Dental and Medical Research, 12(3): 1055-1062.

31. Nazrul M.Yusoff, Yanti Johari*, Ismail Ab Rahman, Dasmawati Mohamad, Mohd Fadhli Khamis, Zaihan Ariffin, Adam Husein (2019). Physical and mechanical properties of flowable composite incorporated with nanohybrid silica synthesised from rice husk. Journal of Materials Research and Technology, 8(3): 2777-2785. (Q1, Impact Factor : 3.32)

32. Hasan Subhi, Ikhwan Hakimi, Nicholas Thong Li Jie, Fazal Reza, Adam Husein, Asma Abdullah Nurul (2019). Effect of chitosan on antibacterial activity of gypsum- based biomaterial compared to two dental liners. Journal of International Oral Health, 11(3): 118-121.

33. Ahmed Mushfiqur Rahman, Nafij Bin Jamayet*, Md Minhaz Ul Islam Nizami, Yanti Johari, Adam Husein, Mohammad Khurseed Alam (2019). Effect of Aging and Weathering on the Physical Properties of Maxillofacial Silicone Elastomers: A Systematic Review and Meta-Analysis. Journal of Prosthodontics, 28(1): 36-48. (Q2)

34. Johari Yap Abdullah, Abdul Manaf Abdullah, Helmi Hadi, Adam Husein, Zainul Ahmad Rajion (2019). Comparison of STL skull models produced using open-source software versus commercial software. Rapid Prototyping Journal, 25(10): 1585-1591. (Q2)

35. Md Minhaz Ul Islam Nizami, Ahmed Mushfiqur Rahman, Nafij Bin Jamayet, Mohammad Khurseed Alam, Zuryati Ab. Ghani, Adam Husein (2019). Prosthetic rehabilitation of a microtia patient by adhesive retained auricular prosthesis: A dental technique. Bangladesh Journal of Medical Science, 18(2): 437-439.

36. Mohammed Mahmood Jawad, Adam Husein*, Mohammad Khurseed Alam, Rozita Hassan, Rumaizi Shaari, Azlina Ahmad, MS. Salzihan (2019). Effect of 940nm Low Level Laser Therapy on Bone Remodelling. Journal of International Dental and Medical Research, 12(3): 886-893.

37. Mohammed Mahmood Jawad Alazzawi, Adam Husein*, Mohammad Khursheed Alam, Rozita Hassan, Rumaizi Shaari, Azlina Ahmad, M. S. Salzihan (2018). Effect of low level laser and low intensity pulsed ultrasound therapy on bone remodeling during orthodontic tooth movement in rats. *Progress in Orthodontics* (2018) 19:10.
38. Mohammed Mahmood Jawad Alazzawi, Adam Husein, Mohammad Khursheed Alam, Rozita Hassan, Rumaizi Shaari, Azlina Ahmad, M. S. Salzihan (2018). Effect of low level laser and low intensity pulsed ultrasound therapy on bone remodeling during orthodontic tooth movement in rats. *Progress in Orthodontics* (2018) 19:10.
39. Hasan Subhi, Fazal Reza, Adam Husein, Saaid Ayesh Al Shehadat, Asma- Abdullah Nurul (2018). Gypsum-Based Material for Dental Pulp Capping: Effect of Chitosan and BMP-2 on Physical, Mechanical, and Cellular Properties. *International Journal of Biomaterials*. Volume 2018, Article ID 3804293, 7 pages.
40. Subhi H, Reza F, Adam Husein, Nurul AA (2018). Cytotoxicity of gypsum-based biomaterial for direct pulp capping using stem cells from human exfoliated deciduous teeth. *Journal of Conservative Dentistry*, 21(1): 21-25.
41. Nafij Bin Jamayet, Ahmed Mushfiqur Rahman, Md Minhaz Ul Islam Nizami, Yanti Binti Johari, Adam Bin Husein (2018). Combination of skin flap and silicone prosthesis for rehabilitation of a large orbital defect: A case report. *Indian Journal of Dental Research*, 29/6, 840-843
42. Hanan Ali Hameed, Azirrawani Ariffin, Norhayati Luddin, Adam Husein (2018). Evaluation of antibacterial properties of copper nanoparticles surface coating on titanium dental implant. *Journal of Pharmaceutical Sciences and Research*, 10(5), pp. 1157-1160.
43. Hanan Ali Hameed, Norhayati Luddin, Adam Bin Husein, Azirrawani Binti Ariffin (2018). Evaluation of Mannitol Salt Agar for Susceptibility of *Staphylococcus* spp. For TI-6AL-7NB Coated with Copper Nanoparticles by Agar Diffusion Test. *Biochemical and Cellular Archives*, 18 (1); 983-990
44. Nazrul M Yusoff, Yanti Binti Johari, Ismail Ab Rahman, Dasmawati Binti Mohamad, Mohd Fadhli Bin Khamis, Adam Bin Husein, Zaihan Bin Ariffin (2018). Hardness of flowable resin composite from rice husk, *Journal of Mechanical Engineering*, Vol SI 5(2): 181-190
45. Wan Muhamad Amir W Ahmad, Nasar Um Min Allah, Mohamad Shafiq Mohd Ibrahim, Mustafa Mamat, Nor Azlida Aleng, Adam Husein, Mohamad Arif Awang Nawawi, Muhammad Azeem Yaqoob (2018). Using Decision Tree and Response Surface Methodology to Review Chronic Periodontitis Profile in Pakistan: a Preliminary Case Study. *International Journal of Engineering and Technology*, 7(3.28): 76-79.
46. Nishi SE, Basri R, Norma Ab Rahman, Adam Husein, Alam MK (2018). Association between muscle activity and overjet in class II malocclusion with surface electromyography. *Journal of Orthodontic Science*, 7(1):3. Published Feb 15. doi:10.4103/jos.JOS_74_17

47. Hasan Subhi, Nicholas Thong Li Jie, Ikhwan Hakimi, Fazal Reza, Adam Husein, Asma Abdullah Nurul (2018). Antibacterial activity of gypsum-based biomaterial compared to calcium hydroxide and glass ionomer cement on streptococcus sobrinus: an in vitro study. *Journal of International Dental and Medical Research*. 11(2): 477- 481.
48. Soh Chin Fen, Loh Wei Lek, Thirumulu Ponnuraj Kannan, Siti Fadilah Bin Abdullah, Adam Husein, Mohamed Shady Nabhan, Hany Mohamed Aly Ahmed (2018). Analysis of pH and Cytotoxic Activity of Locally Produced Radiopaque White Portland Cement. *European Journal of General Dentistry*. 7(3): 51-55.
49. Qamruddin I, Alam MK, Mahroof V, Fida M, Mohd Fadhli Khamis, Adam Husein (2017). Effects of low-level laser irradiation on the rate of orthodontic tooth movement and associated pain with self-ligating brackets. *American Journal of Orthodontics and Dentofacial Orthopedics*. Volume: 152 Issue: 5 Pages: 622-630. (Q2). (Impact Factor : 1.98)
50. Nafij Bin Jamayet, John Kariuki Kirangi, Adam Husein, Mohammad Khursheed Alam (2017). A comparative assessment of prosthetic outcome on enucleation and evisceration in three different etiological eye defects: A case series. *European Journal of Dentistry*. 11(1): 130-134.
51. Salah Khalaf, Zaihan Ariffin, Adam Husein, Fazal Reza (2017). Surface Coating of Gypsum-Based Molds for Maxillofacial Prosthetic Silicone Elastomeric Material: Evaluating Different Microbial Adhesion. *Journal of Prosthodontics*. Volume 26, Issue 8. December 2017. Pages 664–669. (Q3). (Impact Factor: 1.45)
52. Mohammed Noushad, Ismail Ab Rahman, Adam Husein, Dasmawati Mohamad (2016). Nanohybrid dental composite using silica from biomass waste. *Powder Technology*. Volume 299, October, Pages 19–25. (Impact factor: 2.759).
53. Shahidatul Naimah Wan Jusoh, Rabihah Alawi, Ismail Abdul Rahman, Adam Husein (2016). Comparison of Hardness and Color Stability between Chemical Cure and Light Cure Composite Resin Used as Restorative Materials. *International Medical Journal*. 23(5): 565 - 568. (Impact Factor: 0.13)
54. Salah K. Al-Askari, Zaihan Ariffin, Adam Husein, Fazal Reza (2016). Comparison of Microbial Adherence to Cobalt-Chromium for Maxillo-Facial Prostheses. *International Medical Journal*, 23(3): 230-232.

Research Grant

Main Researcher

1. Adam bin Husein, Ensanya Ali El-Saed Abou Neel, Hatem Mostafa El-Damanhoury. Hybrid layer and microtensile bond strength of titanium dioxide-doped phosphate glass microspheres filled universal dental adhesive. University of Sharjah Seed Research Project No.(2201100255). DHs 34,000 for 23 months, starting from May 30th, 2022.

2. Adam Bin Husein, Penyediaan Kit Maidatulrahman Warga Kampus Kesihatan, Universiti Sains Malaysia, RM5,000.00, 31/03/2020-30/09/2020
3. Adam Bin Husein, Nurul Asma Binti Abdullah, Evaluation of Physico-Chemical Properties and Effects of Chitosan-Based Accelerated Portland Cement on Dentinogenic/Osteogenic Differentiation of Stem Cells from Human Exfoliated Deciduous Teeth, Universiti Sains Malaysia (RU), RM89,999.00, 01/04/2018-31/12/2021
4. Adam Bin Husein, Hasan Subhi Azeez Al-Ibrahim. The Effect of Experimental Portland Cement-Based Endodontic Material on Osteogenic Differentiation Of Stem Cells From Human Exfoliated Deciduous Teeth (Shed), Universiti Sains Malaysia, RM10,000.00, 24/01/2018-24/01/2019
5. Adam Bin Husein, Azlina Binti Ahmad, Mohammad Khursheed Alam, Rozita Hassan, Comparison Study Between the Effects of Low Level Laser Therapy (LLT), Low Intensity Pulsed Ultrasound (LIPUS) Treatment and the Combination of Them, on Orthodontic Tooth Movement in Rats, Universiti Sains Malaysia (Short Term) , RM40,000.00, 01/06/2014-28/02/2017
6. Adam Bin Husein, Norhayati Luddin, Sam'An Malik Masudi, Sealing Ability of Resilon-Epiphany Versus Gutta Percha-Nano HA Sealer: An in Vitro Study, Universiti Sains Malaysia (Short Term), RM30,699.20, 15/09/2011-31/03/2015

Co-Researcher

1. Nurul Asma Abdullah, Yanny Marliana Bt Baba Ismail, Nik Rozainah Bt Nik Abdul Ghani, Dasmawati Mohamad, Adam Husein. Bioceradent, the Chitosan-based Calcium Silicate Cement as an Endodontics Agent for Vital Pulp Therapy. Prototype Research Grant Scheme (PRGS), Ministry of Higher Education, Malaysia. RM152,500.00. 2022-2025
2. Johari Bin Abdullah, Adam Bin Husein, Asanah Radhi, Nafij Jamayet, Helmi Bin Mohd Hadi Pritam, Marzuki Bin Omar, Mohd Fadhli Bin Khamis, Norsila Binti Abdul Wahab, Zainol Ahmad Rajion, Roselinda Bt. Ab. Rahman, Yanti Binti Johari. 3D Reconstruction and Rehabilitation of Patients with Oral and Maxillofacial Defects, Tdc Holdings Sdn Bhd, RM126,000.00, 01/02/2021-31/01/2024
3. Johari Bin Abdullah, Adam Bin Husein, Nafij Bin Jamayet, Taseef Hasan Farook. Fabrication of fully digital obturator protheses for patient with palatal defect. Yayasan HAQ, RM15,000.00, 01/10/2020-30/09/2022
4. Zuryati Ab. Ghani, Adam Bin Husein, Ismail Bin Ab Rahman. Fabrication of zirconia using nano calcium oxide derived from cockle shells as stabilizer for dental application. Kementerian Sains, Teknologi dan Inovasi. RM179,045.00, 01/05/2017-31/07/2020
5. Zuryati Ab. Ghani, Adam Bin Husein, Khairul Anuar Bin Shariff, Mohamad Syahrizal Bin Halim, Siti Noor Fazliah Binti Mohd Noor. Development and Characterization of Novel

zirconiacalcia-(ZrCaO₃)-bioglass for Dental Application, USM (RU), RM52,000.00, 01/06/2020-31/08/2024

6. Zuryati Ab. Ghani, Adam Bin Husein, Ahmad Fauzi Bin Mohd Noor, Zaihan Bin Ariffin. Fabrication of Zirconia-Calcia (ZrO₂-CaO) Nanocomposite for Dental Application with CAD/CAM Technology, USM (RU), RM70,000.00, 01/01/2019- 30/09/2021

7. Azirrawani Binti Ariffin, Adam Bin Husein, Norhayati Luddin. Influence of Copper Nanoparticles Addition on the Antibacterial Properties of Dental Titanium Alloy. USM (Jangka Pendek), RM32,413.84, 15/09/2018-15/06/2022

8. Siti Aishah Binti Zainal, Adam Bin Husein, Norma Binti Ab Rahman, Saidi Bin Jaafar. Prospective Evaluation of Muscle Activity in Class II Malocclusions Treated by Low Level Laser Therapy: An Electromyography Study. USM (Jangka Pendek), RM27,272.00, 01/04/2018-31/12/2020

9. Tang Liszen, Adam Bin Husein, Ismail Bin Ab Rahman, Tahir Yusuf Noorani, Zuryati Ab. Ghani. Synthesis and Characterization of Zirconia-Calcia Nanocomposite for Dental Application. USM (Jangka Pendek), RM31,662.00, 01/04/2017-31/12/2020

10. Yanti Binti Johari, Adam Bin Husein, Dasmawati Binti Mohamad, Ismail Bin Ab Rahman, Mohd Fadhli Bin Khamis, Zaihan Bin Ariffin. Flowable Resin Composite from Agricultural Biowaste. USM (RU), RM100,000.00, 01/03/2016-31/08/2019

11. Noor Huda Binti Ismail, Adam Bin Husein, Raja Azman Raja Awang. Influence of Different Adhesive Cements and Surface Treatments on Colour Stability and Bond Strength of Porcelain Laminate Veneers, USM (Jangka Pendek), RM43,340.10, 15/09/2015-14/09/2017

12. Mohd Fadhli Bin Khamis, Adam Bin Husein, Mohammad Khursheed Alam, Norma Binti Ab Rahman, Rehana Basri. Effects of low level laser therapy on orthodontic tooth movement in extraction and non-extraction cases in humans: A 3D evaluation via CBCT and micro CT approach. USM (RU), RM174,360.50, 15/06/2015-30/06/2019

13. Ismail Bin Ab Rahman, Adam Bin Husein, Dasmawati Binti Mohamad. Dental Nanocomposite from Rice Husk (CRH): In Vivo studies, USM, RM50,000.00, 01/09/2014-30/06/2016

14. Fazal Reza, Adam Bin Husein, Nurul Asma Binti Abdullah. Properties of Gypsum- based Biomaterials and Its Effect on Proliferation and Odontoblastic Differentiation in Stem Cells of Human Exfoliated Deciduous Teeth (SHED), USM (JANGKA PENDEK), RM37,207.00, 01/05/2013-30/09/2015

15. Dasmawati Binti Mohamad, Ab. Rahman Izaini Bin Ghani @ab. Ghani, Abd Rahni Bin Mt Piah, Abdul Hakim Bin Abdul Basir, Abdul Hanan Abdullah, Abdullah Bin Hamat, Abdullah Pohchi, Aboamama Atahar Ahmed, Adam Bin Husein, Ahmad Bin Abd Majid, Bahari Bin Belaton, Hazizan Bin Md Akil, Ismail Bin Ab Rahman, Jamaluddin Bin Abdullah, Marzuki Bin Omar, Mohammed Rafiq Dato Abdul Kadir, Muhammad Naziman Ab Rahman, Norhayati Luddin, Norkhafizah Bt Saddki, Nurul Asma Binti Abdullah, Solehuddin Bin Shuib, Zainul

Ahmad Bin Rajion, Zamzuri Bin Idris. Biomodelling For Cranio-Maxillofacial Reconstruction: Patient Specific Aesthetic, Functional And Affordable Biomaterial Implant And Prostheses, USM (RU), RM999,089.00, 01/02/2013-30/04/2018

Graduated PhD

Main Supervisor

1. Hasan Subhi Azeez Al-ibrahim, 2021, Doctor of Philosophy, Research - Full Time, Physico-Chemical Properties and Effects of Chitosan-Based Accelerated Portland Cement on Stem Cells from Human Exfoliated Deciduous Teeth
2. Fahmi Oscandar, 2020, Doctor of Philosophy, Research - Full Time, Age Estimation Based on Tooth Pulp Volume Using CBCT Images
3. Irfan Qamruddin Andani, 2018, Doctor of Philosophy, Research - Full Time, Effects of Low Level Laser Therapy, Low Intensity Pulsed Ultrasound Treatment and the Combination of Both, on Orthodontic Tooth Movement in Pakistani Population
4. Manal Abdulrahman Farea Ali, 2016, Doctor of Philosophy, Research - Full Time, Human Hertwigs Epithelial Root Sheath Cells in Association with Chitosan Scaffold and TGF 1 Modulate the Cementoblastic Differentiation of Stem Cells from Human Extracted Deciduous Teeth
5. Mohammed Mahmood Jawad Al-azzawi, 2016, Doctor of Philosophy, Research - Full Time, Effects of Non-Invasive Low Level Laser Therapy, Low Intensity Pulsed Ultrasound Treatment and their Combination on Orthodontic Tooth Movement

Co-Supervisor

1. Abdalwhab M. A. Zwiri, 2022. A Clinical Study on The Effects of Treating Temporomandibular Disorder (TMD) by Low Level Laser Therapy (LLLT), Conservative and Combination Treatments.
2. Shamima Easmin Nishi, 2020, Doctor of Philosophy, Research - Full Time, Prospective Evaluation of Facial and Masticatory Muscles Activity in Different Malocclusion Patients: An Electromyography Study
3. Fazal Shahid, 2020, Doctor of Philosophy, Research - Full Time, Effects of Low- Level Laser Therapy on Orthodontic Tooth Movement : A Randomised Clinical Trial
4. Johari Bin Abdullah, 2019, Doctor of Philosophy, Research - Full Time, Three- Dimensional Reconstruction and Design of Patient-Specific Implant Using Open- Source Software
5. Abbas Ibrahim Hussein, 2018, Doctor of Philosophy, Research - Full Time, Synthesis of Nano Calcium Oxide from Cockle Shells as Stabilizer for Fabrication of Zirconia

6. Hanan Ali Hameed Al-murshedi, 2018, Doctor of Philosophy, Research - Full Time, Antibacterial, Biocompatibility and Nanomechanical Properties of Ti-6Al-7Nb Alloy Coated with Copper, Hydroxyapatite and Copper Ion Doped Hydroxyapatite for Dental Implants
7. Mohammed Noushad, 2016, Doctor of Philosophy, Research - Full Time, Synthesis and Evaluation Of Silica Particles Form Rice Husk For Fabrication Of Dental Nanohybrid Composites
8. Salah Khalaf Abbas, 2015, Doctor of Philosophy, Research - Full Time, The Effect of Surface Modification on Microbial Adhesion and Biocorrosion in Selected Maxillofacial Prostheses

Academic Assessor/External Examiner/ Member of Board of Studies

1. Member, Board of Studies, 06/11/2017-06/11/2017, Penang International Dental College (PIDC)
2. Member of Faculty Advisory Panel (Curriculum Committee), 01/10/2019- 30/09/2022, Faculty of Dentistry, Universiti Sains Islam Malaysia (USIM)
3. Member and Chair of the Panel of Assessors for Full Re-Accreditation of the Postgraduate Diploma in Implant Dentistry, 10/03/2020-30/05/2020, International Medical University (IMU)
4. Member and Chair of the Panel of Assessors for Evaluating the Curriculum Change of the Postgraduate Diploma in Implant Dentistry, 14/09/2020-31/12/2020, International Medical University (IMU)
5. Head of MQA Panel for Re-Accreditation of Diploma in Dental Technology, 14/09/2017-31/12/2017, Institut Latihan Kesihatan Angkatan Tentera (INSAN)
6. Chairman, MQA's Panel of Assessor for Re-Accreditation of Dental of Dental Surgery (DDS) Program, 26/10/2017-31/12/2017, MAHSA University
7. Chairman, MQA's Panel of Assessor for Dental of Dental Surgery (DDS) Program, 14/10/2019-15/10/2019, MAHSA University
9. Chairman of MQA panel for full accreditation of IMU Dental Faculty, 01/06/2020-31/07/2020, International Medical University
10. Chairman of MQA panel for curriculum revision of IMU Dental Faculty, 02/07/2020-31/08/2020, International Medical University
11. Chairman, MQA panel for increased intake of IMU UG dental degree, 06/07/2020-31/08/2020, International Medical University
12. Chairman, MQA panel for increased intake of UG dental degree program, 2018, University of Malaya

13. Chairman of MQA panel for curriculum revision of UG Dental Program, 2020, Universiti Kebangsaan Malaysia

14. Member of MQA Panel for Re-Accreditation of Diploma in Dental Technology Program, MAHSA University, 2021

15. Jawatankuasa Rubrik Penilaian Akreditasi Program Ijazah Sarjana Muda Pembedahan Pergigian 2020-2021 (National)

16. Pengerusi Jawatankuasa Membangunkan Standing Order for the Conduct of Disciplinary Inquiries bagi Akta Pergigian 2018, 2021 (National)

External Assessor for Promotion

1. External Assessor for Promotion, Associate Professor, 21/01/2021-20/02/2021, King Saud University, Saudi Arabia

2. Evaluate the academic work, Associate Professor, 21/01/2021-11/02/2021, Qassim University, Saudi Arabia

3. Penilaian Kenaikan Pangkat Dr Siti Mariam Binti Ab Ghani, Associate Professor, 01/09/2019-16/09/2019, UITM

4. Penilaian Kenaikan Pangkat Dr Norlela Yacob, Associate Professor, 08/11/2019-08/12/2019, USIM

5. Penilaian Kenaikan Pangkat Dr Normaliza Ab Malik, Associate Professor, 08/11/2019-08/12/2019, USIM

6. External assessor for promotion, Associate Professor, 16/10/2017-20/10/2017, Faculty of Dentistry, University of Hail, Saudi Arabia

Assessor/Professional Examiner

1. Final Exam Year 2 (reserve), 2020, Faculty of Dentistry, University of Malaya, External Examiner for the 2nd Professional Examination of Bachelor of Dentistry (BDS) Program (National)

2. Final Exam Year 3, 2020, School of Dentistry, International Medical University, External Examiner for the 3rd Professional Examination of Bachelor of Dentistry (BDS) Program (National)

3. Final Exam Year 3 and 5, 2019, SEGI University, External Examiner for the Professional Examination of Bachelor of Dentistry (BDS) Program (National)

4. Final Exam Year 2, 2019, Melaka Manipal Medical College, Manipal, India, External Examiner for Final Examination (International)
5. Final Exam for Second and Third Year, 2018, University Malaya, Bachelor of Dental Surgery of Second and Third Professional Exam (National)
6. Final Exam Year V, 2018, Penang International Dental College (PIDC), External Examiner for Year V of UG Dental Program (Prosthodontics) (National)
7. External Examiner for the Final Professional Exam Part II (End of Semester 10 Exam), 2016, School of Dentistry, International Medical University, IMU (National)
8. External Examiner for Final Year Professional Exam, SEGI University, 2016 (National)

Visiting Professor

1. Visiting Professor, Wehai Meichen Dental Hospital, Wehai, China for 2017-2018
2. Visiting Professor, 01/01/2019-31/12/2019, Faculty of Dentistry, University of Muhammadiyah Semarang, Indonesia
3. Visiting Professor, 01/01/2020-31/12/2020, Faculty of Dentistry, University of Muhammadiyah Semarang, Indonesia
4. Visiting Professor, 01/01/2021-31/12/2021, Educare Institute of Dental Sciences, Malapuram, Kerala, India

Evaluator for (Publication), Manuscript (Books), Articles in Academic or Professional Journals / Assessor of Working Papers

1. Operational Considerations of School-Based Oral Health Programs During COVID- 19, 2021, Madridge Journal of Dental and Oral Surgery
2. Full Mouth Rehabilitation For Severely Worn Dentition Using Fixed prostheses and Tooth-supported Partial Overdenture: A Case Report, 2021, IIUM Journal of Orofacial and Health Sciences (IJOHS)
3. Design and Analysis of Dental implant using Bio ceramics, 2021, Journal of Applied Science and Technology
4. Modulated cementogenic genes upregulation in human buccal fat pad-derived stem cells by strontium-ranelate, 2021, Gene Reports
5. Stem Cell Therapy in Treatment of Non-Communicable Diseases: Possibilities and Challenges, 2020, Asian Journal of Immunology
6. Anterior Teeth Rehabilitation: a Direct Composite Veneer Approach, 2020, IIUM Journal of Orofacial and Health Sciences

7. Evaluation of antibacterial properties of *Matricaria aurea* on clinical isolates of periodontitis patients with special reference to red complex bacteria, 2020, Saudi Pharmaceutical Journal
8. Does ceramic thickness affect opalescence?, 2020, Clinical and Experimental Dental Research
9. THAP9-AS1 promotes the osteogenic differentiation of dental pulp stem cells via the miR-652-3p/VEGFA axis THAP9-AS1 promotes the osteogenic differentiation of dental pulp stem cells, 2020, Histology and Histopathology
10. Lasers as a promising non-invasive technique to treat oral submucous fibrosis: A systematic review of the literature, 2020, The Saudi Dental Journal
11. Influence of gamma irradiation on the restorative interface and surface morphology of bulk fill composites, 2020, BMC Oral Health
12. Effects of low intensity pulsed ultrasound and low level cyclic loading on tooth pulp and acceleration of orthodontic tooth movement, 2020, Mohammed Bin Rashid University of Medicine and Health Sciences (MBRU), Saudi Arabia

Member of Academic Body / Scientific Forum Panel

1. Member, National Conjoint Board for Post Graduate Dental Education, 2013-2015 (National)
2. Member, National Conjoint Board for Post Graduate Dental Education, 2015-2018 (National)
3. Member, Jawatan Kuasa Tetap Akreditasi Pergigian, 2015-2018 (National) 4. Member, Malaysian Dental Council, 2015-2018 (National)
5. Member, Malaysian Dental Council, 2018-2021 (National)
6. Life member, Malaysian Association for Prosthodontics (MAP)
7. MQA's panel of assessor, 2006 – present
8. Member, Research Advisory Council (RAC) SIRIM BHD, Industry, 17/03/2016- 31/12/2017 (National)

Editorial Board

1. Editor, Madridge Journal of Dentistry and Oral Surgery (MJDL), 2015 – present
2. Editor, American Research Journal of Dentistry, 2015 – present

3. Editor, Archives of Orofacial Sciences, 2011 – 2020

4. PeerJ Life and Environment – 2021 – present

Speaker (Conference /Seminar/Symposium and other similar academic / professional forums)

1. Keynote Speaker (2015), Publishing Case Report, University Malaya, International Conference on Innovative Dentistry, Kuala Lumpur, Malaysia

2. Invited Speaker (2015), CAD CAM in dentistry, Indonesian Prosthodontic Society, Yogyakarta Branch, Scientific Joint Meeting of Clinical Prosthodontics and Dental Materials, Yogyakarta, Indonesia (International)

3. Invited Speaker (2015), Implant in head and neck cancer rehabilitation, Nahda University Egypt and University of Glasgow, 1st International Conference: Updates and debates in dental implants; meet the experts, Egypt (International)

4. Invited Speaker (2016), Rehabilitation for head and neck cancer patients, Pakistan Dental Association, Pakistan Dental Association International Conference 2016, Lahore, Pakistan (International)

5. Invited speaker for workshop (2016), Crown preparation and temporisation, Faculty of Dentistry, Combined Military Hospital, Lahore, Pakistan (International)

6. Invited Speaker (2018), Dental Pulp Stem Cells, Kuala Lumpur Convention Centre, Malaysian Dental Association, Malaysian International Dental Exhibition and Conference, Kuala Lumpur, Malaysia

7. Invited Speaker (2018), Managing Lower Denture Stabilization, Alana Hotel, Yogyakarta, Universitas Muhammadiyah Yogyakarta, Dental Research, Exhibition and Meeting, Yogyakarta, Indonesia (International)

8. Invited Speaker (2019), Managing mandibular complete dentures, Surabaya, Indonesia, Universitas Hang Tuah, DENTISPHERE 4 - International Scientific Meeting 5th ASEAN Plus & Tokushima Joint International Conference (International)

9. Invited Speaker (2019), Digital Dentistry, Semarang, Indonesia, Universitas Muhammadiyah Semarang, International Dental Scientific Exhibition Meeting and Research (International)

10. Invited Speaker (2019), Oral Implantology, Malappuram, Kerala, India, Educare Institute Of Dental Sciences, Accredited Course In Clinical Implantology (International)

11. Invited Speaker (2015), Rehabilitating head and neck cancer, School of Medical Sciences, USM, 20th National Conference on Medical and Health Sciences (National)

12. Invited Speaker (2016), Dental Pulp stem Cell, School of Dental Sciences, USM, National Colloquium on Stem Cell Research (National)

13. Invited Speaker (2016), Mutilated dentition and maxillofacial prosthodontics, Faculty of Dentistry, SEGI University, Continuous Professional Development, Kuala Lumpur, Malaysia (National)

14. Invited Speaker (2021), Merintis kecermelangan diri dan organisasi, USM KK, PTI (untuk semua kampus), Kursus dalam talian (National)

15. CPD Spring 2022 College of Dental Medicine, University of Sharjah. Maxillofacial Prosthodontics: Hope and Challenges. 17th January to 30th March 2022

16. Invited Speaker, International College of Dentists. Basics of Fixed Prosthodontics (When and How), Problem Solving and Cementation. Online Webinar on 31st March 2022

17. Invited Speaker, International College of Dentists. Maxillofacial Prosthodontics: Hopes and Challenges. Online Webinar on 8th June 2022

University Committee / School Committee

1. Curriculum Committee

2. Program Effectiveness and Accreditation

3. Graduate Studies Committee

4. Clinical Practice Guidelines and Audit Committee (Chairperson)

5. Post Grad Director (Prosthodontic)