



Dr Nagham Mohammed Abdullah Al-Jaf

Associate Professor

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Academic Qualification

B.D.S, M.Sc. (Clinical Ortho), PhD in Dentistry (Orthodontics)

Areas of Expertise

- Growth Modification
- Predictive Modelling in Orthodontics
- Interceptive Orthodontics
- Occlusal Developmental Anomalies

Research Interests

- Predictive Modelling in Orthodontics
- Neural Network Applications in Orthodontics
- Growth Modification
- Dental Education

Membership in Professional Organizations

- Member of Iraqi Dental Association 1985
- Member of Iraqi Orthodontic Society 1997
- Member of Arab Orthodontic Society 2005
- Member of World Federation of Orthodontists 2006
- Member of International Association for Dental Research IADR (Malaysian Section) 2008
- Member of Malaysian Dental Association 2008
- Member of International Association for Dental Research IADR 2014
- Fellow of International College of Dentists ICD 2022

Teaching and Professional Experience

- **1985 – 1986:** Full time practicing dentist at the dental health center in Baghdad, Iraq (Periodontics, Endodontics, Restorative Dentistry and Oral Surgery).
- **1986 – 1991:** Dentist and tutor, Faculty of Dentistry, Baghdad University. Department of Oral and Maxillofacial Surgery; involved in patient treatment and supervision of students' clinical work.
- **1991 – 1993:** Dentist and tutor, Faculty of Dentistry, Baghdad University. Department of Orthodontics and Pediatric Dentistry; involved in patient treatment and supervision of students' clinical work.
- **1993 – 1996:** Postgraduate student, M.Sc. degree in Clinical Orthodontics, Faculty of Dentistry, University of Baghdad.
- **1996 – 2007:** Lecturer of Orthodontics, Faculty of Dentistry, Baghdad University. Involved in lectures, clinics, and patient treatment in the Faculty Specialist Orthodontic Clinic.
- **2000 – 2007:** Private dental practice, Baghdad.
- **2008 – present:** Lecturer, Faculty of Dentistry, Universiti Teknologi MARA. Involved in lectures, clinics, and patient treatment in the Faculty Specialist Orthodontic Clinic.

Postgraduate Students Supervision

Name of Student	Level	Institution	Year
Faisal Ismail El-Syed Bahnasy	Masters (M.Sc.)	UiTM	2008 – 2011
Majda T.M. Elfseyie	Masters (M.Sc.)	UiTM	2009 – 2012
Tamouh Kabani	Masters (M.Sc.)	UiTM	2010 – 2012
Mohd Shafiq Bin Azni	Masters (M.Sc.)	UiTM	2015 – 2017
Nor Dayana Mohd Ali	PhD	UiTM	2016 – 2020
Tamana Sazgar	Masters (M.Sc.)	UiTM	2019 – 2022
Tun Yasmin Iffah Mohd Suria Affandi	PhD	UiTM	2021 – 2025
Nisreen Nordin	PhD	UiTM	2022 – 2025
Zhang Shunan	Masters (M.Sc.)	UiTM	2022 – 2026
Noraina Hafizan Norman	PhD	UiTM	2023 – 2026
Wan Nur Zahidah Binti Wan Zullkefli	PhD	UiTM	2025 – ongoing

Publications (Journal Articles)

1. YouTube As a Learning Tool for Clinical Procedures: A National Survey of Malaysian Dental Students. *European Journal of General Dentistry*. 2026.
2. Development and evaluation of a fully automated deep convolutional neural network for cervical vertebral maturation classification in orthodontic treatment planning using keras-tensorflow frameworks. *European Journal of Orthodontics*. Volume 47, Issue 5, October 2025.
3. Automated classification of cervical vertebral maturation stages using a customized yolo-based deep convolutional neural network model for pubertal growth assessment in lateral cephalometric radiographs. *European Journal of Orthodontics*. Volume 47, Issue 5, October 2025.
4. Fluoride Toothpastes and Mouthwashes: A Review of Formulations, Efficacy, and Usage Patterns in Caries Management. *Journal of Natural Science, Biology and Medicine*. Volume 16, Issue 3, September 2025.
5. A bibliometric analysis of artificial intelligence in Orthodontics: current status, development, and future research directions. *European Journal of Orthodontics*. 2025.
6. Usability of the index for interceptive orthodontics referral (IIOR) and its perception among dental frontliners in Malaysia. *European Journal of Orthodontics*. 2025.
7. Integration of artificial intelligence in orthodontic imaging: A bibliometric analysis of research trends and applications. *Imaging Science in Dentistry*. 2025.
8. Automated cervical vertebral maturation staging using deep learning: Enhancing accuracy through random oversampling and memory optimization. *APOS Trends in Orthodontics*. 2025.
9. Validation of a Questionnaire Assessing Dental Frontliners' Perception of The Index for Interceptive Orthodontics Referral. *Annals of Dentistry University of Malaya*. 2025.
10. Feasibility of the Newly Developed Index for Interceptive Orthodontics Referral (IIOR) and the User's Perception: A Pilot Study. *Journal of Health and Translational Medicine (JUMMEC)*, Special Issue, 246–252. 2024.
11. A geometric morphometric evaluation of facial hard tissue patterns. Sazgar T, Al-Jaf NM, Norman NH, Alias A. *J Orthod Sci*. 2022 May 4;11:24.
12. Soft-Tissue Analysis of Different Sagittal Skeletal Patterns Using the Geometric Morphometric Method. Sazgar T, Al-Jaf NM, Norman NH, Alias A. *Eur J Dent*. 2022 Feb; 17(1):97–106.
13. The Impact of Clinical Teacher: The Dental Students' Perception. *Compendium of Oral Science*. 2021 Sep; 8(1):69–76.
14. Prevalence and gender differences of buccally displaced canines of 12 years school children and 18–23 years adults in Shah-Alam, Malaysia. *International Journal of Dentistry Research*. 2021;6(2):39–42.
15. The Orthodontic Mini Implants Covers and Their Effect on the Oral Health Related Quality of Life: A Randomised Controlled Trial. *International Medical Journal*. 2021;28(3):352–352.

16. Relationship between Arch Base Length and Dental Crowding in Different Skeletal Patterns. *Journal of International Dental and Medical Research*. 2021;13(4):1349–1354.
17. Treatment Satisfaction and Its Influencing Factors Among Fixed Orthodontic Patients in UiTM. *Compendium of Oral Science*. 2020;7(1):21–31.
18. Prevalence of malocclusion and occlusal traits of Malay adults (18–23 years) in Shah Alam, Malaysia. *International Journal of Dentistry Research*. 2020;5(2):81–86.
19. Buccal cortical bone thickness in different sagittal skeletal relationship. Al-Jaf NM, Abdul Wahab RM, Abu Hassan MI. *Orthodontic Waves*. 2018;77(4):220–225.
20. Prevalence of isolated maxillary lateral incisor agenesis in Syrian adolescents. Tamouh Kabbani, Nagham Abdullah, Yasser Rsheadat, Mohamed Ibrahim Abu Hassan. *Journal of Orofacial Orthopedics*. 2017;78:62–69.
21. Tooth frame axis and centroid for dental occlusal system. Muhammad A Ayub, Mohd Shafiq Azni and Nagham Al-Jaf. *Pertanika JST(S)*. 2017;25(S):325–333.
22. Dental Students' Interaction with Clinical Instructors: Students' Perspective and Dental School's Administrator Dean Response. *Compendium of Oral Science*. 2017;4:28–39.
23. A kinematic concept for robotic assisted dental rehabilitation. Mohd Shafiq Azni, Muhammad Azmi Ayub, Nagham Al-Jaf, Noraina Hafizan Norman. *ESTEEM Academic Journal*. 2017;13(2):53–62.
24. Quantitative Assessment of Palatal Cortical Thickness in Different Skeletal Relationship. Abu Hassan M, Abdullah N, Wahab R. *J Dent Res*. 2017;96(A):1283.
25. Assessment of interradicular spaces for miniscrew placement in Class I Subjects. Al-Jaf N, Abdul Wahab RM, Abu Hassan MI. *Compendium of Oral Science*. 2015;1:14–20.
26. Cortical Bone Thickness and Interradicular Distance in Different Skeletal Relationship. Abu Hassan M, Abdullah NM, Abdul Wahab RM. *J Dent Res*. 2015;94(A):3610.
27. Mathematical Model for Buccal Cortical Bone Thickness. Abdullah N, Wan Abdul Rahman WEZ, Abdul Wahab R, Abu Hassan M. *J Dent Res*. 2014;93(C):147.
28. Shear Bond Strength of Orthodontic Brackets Bonded with Different Curing Methods. Faisal Ismail Bahnasi, Nagham Mohammed Abdullah, Mohamed Ibrahim Abu Hassan. *Compendium of Oral Science*. 2014;1:24–29.
29. Occlusal features of 12 years old Malaysian Malay schoolchildren in Shah Alam. Majda T.M. Elfseyie, Nagham Mohammed Abdullah, Mohamed Ibrahim Abu Hassan. *Compendium of Oral Science*. 2014;1:6–12.
30. Buccal Cortical Bone Thickness in Different Skeletal Relationship. Abdullah N, Abdul Wahab RM, Abu Hassan M. *J Dent Res*. 2013;92(B):381.
31. SBS of Orthodontic Brackets Bonded with Different Curing Methods. F.I. Bahnasi, N.M. Abdullah, and M.I. Abu Hassan. *J Dent Res*. 2011;90(Spec Iss B):106.
32. Dento-alveolar Compensations in Skeletal Class III Malocclusion and the Treatment Requirements. Hadeel A. Al-Hashimi, Ali I. Al-Bustani, and Nagham M. Abdullah. *Iraqi Orthodontic Journal*. 2007;3(1):40–42.

33. The effect of mouth breathing on SNA angle and maxillary arch dimensions. Nagham M. Abdullah. *Mustansiria Dental Journal*. 2005;2(1):124–129.
34. Skeletal and dental changes induced by Frankel (FR-2) appliance. Nagham M. Abdullah. *Mustansiria Dental Journal*. 2005;2(1):80–86.

Publications (Proceedings)

1. “CollabSphere”: Intellectual Research Collaborations Beyond Boundaries. Proceeding, January 2024. ISBN 978-967-17200-7-3.
2. “Wire Wise”: A Trusted Assistant in Orthodontic Care. Proceeding, January 2024. ISBN 978-967-17200-7-3.
3. Index for Interceptive Orthodontic Referral (IIOR): A Novel Index. Proceeding, June 2023. ISBN 978-967-17200.
4. Evaluation of Published Studies on Prediction Models in Dentistry: A Scoping Review. Proceeding, April 2023.
5. YouTube™ Video Content Analysis on Orthodontic Removable Appliance. Proceeding, April 2023.
6. Validation and Perception Questionnaire of the Index for Interceptive Orthodontic Referral (IIOR): A Pilot Study. Proceeding, April 2023.
7. Prediction Models for Alveolar Cortical Thickness: Development and Implementation Through Mobile Android Application. Proceeding, November 2022. e-ISBN 978-967-26232-1-2.
8. Prediction of Mesiodistal Width of Canine and Premolar in Mixed Dentition Stage. Proceeding Book of 9th Dental Students Scientific Symposium (Malaysia, 2019), 41–43. ISBN 978-967-17051-0-0.