

PROF. MADYA DR. ASMA ALHUSNA BINTI ABANG ABDULLAH

PENSYARAH PERGIGIAN DUG15

CONTACT

PHONE
03-4289 2000

E-MAIL
asmaabdullah@usim.edu.my

FACULTY
Fakulti Pergigian

SUPERVISION

	COMPLETED	ONGOING
PhD	0	0
Master	0	0

AREAS OF EXPERTISE

- Orthodontics

ACADEMIC QUALIFICATION

2008 **Master** - Ortodontik

2001 **Bachelor** - Pembedahan Pergigian

RESEARCH

1. DEVELOPMENT OF A CONVOLUTIONAL NEURAL NETWORK HYBRID MODEL FOR AUTOMATED ORTHODONTIC TREATMENT NEED ASSESSMENT USING INTRAORAL IMAGES AND CLINICAL DATA

2026 | GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) | ON GOING | CO-RESEARCHER

2. A TWO-PHASE COMPARATIVE STUDY ON THE FITTING ACCURACY AND PATIENT ACCEPTANCE OF 3D-PRINTED ORTHODONTIC RETAINERS WITH VARYING OCCLUSAI SURFACE COVERAGE DESIGNS COMPARED TO CONVENTIONAL VACUUM-FORMED RETAINERS

2026 | GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) | ON GOING | CO-RESEARCHER

3. ROUTINE ORAL HYGIENE PRACTICE AND DIETARY HABITS IN YOUNG CHILDREN: A COMPARISON OF KNOWLEDGE BETWEEN DENTAL, MEDICAL AND NON-HEALTH RELATED UNDERGRADUATE STUDENTS

2025 | GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) | ON GOING | CO-RESEARCHER

4. EXPLORING THE USE OF ARTIFICIAL INTELLIGENCE FOR AUTOMATED ORTHODONTIC DIAGNOSIS

2024 | GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) | ON GOING | MAIN RESEARCHER

5. EFFECTIVENESS OF A NEW DENTAL TRAUMA TRAINING MODULE

2023 | BIDUNI MIZANNIYAH | ON GOING | MAIN RESEARCHER

RESEARCH

6. CHARACTERISTICS OF THE FIRST DENTAL VISIT IN CHILDREN

2023 | BIDUNI MIZANNIYAH | ON GOING | CO-RESEARCHER

7. EXPLORING READINESS FOR TELEDENTISTRY AMONG THE CLEFT LIPS AND PALATE PATIENTS IN MALAYSIA AND INDONESIA: A QUALITATIVE STUDY

2023 | GERAN SEPADAN ANTARABANGSA | ON GOING | CO-RESEARCHER

8. DEPRESSION AD ANXIETY AMONG UNDERGADUTE DENTAL STUDENTS IN USIM DURING COVID-19 PANDEMIC

2021 | BIDUNI MIZANNIYAH | COMPLETED | MAIN RESEARCHER

9. STUDENTS? PERCEPTION OF GAMIFICATION IN LEARNING ORTHODONTICS

2021 | BIDUNI MIZANNIYAH | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. A CROSS-SECTIONAL STUDY COMPARING LIVE AND RECORDED VIDEOS FOR UNDERGRADUATE TEACHING OF ORTHODONTIC APPLIANCE CONSTRUCTION DURING THE COVID-19 PANDEMIC

MALAYSIAN JOURNAL OF MEDICINE AND HEALTH SCIENCES

2025 | JOURNAL | OTHER DATABASE | CO-AUTHOR

2. EXPLORING THE USE OF ARTIFICIAL INTELLIGENCE FOR AUTOMATED ORTHODONTIC DIAGNOSIS

31ST MALAYSIAN ASSOCIATION OF ORTHODONTISTS INTERNATIONAL SCIENTIFIC CONFERENCE AND TRADE EXHIBITION

2025 | PROCEEDING | NON-INDEX | MAIN AUTHOR

3. GAME ON! A BATTLE BETWEEN TRADITIONAL VERSUS ONLINE GAMES IN A COMMUNITY ENGAGEMENT PROGRAM

4TH INTERNATIONAL DENTAL CONFERENCE (I-DENT) 2025 - ADVANCEMENTS IN DENTISTRY: SHAPING TOMORROW?S SMILES

2025 | PROCEEDING | NON-INDEX | MAIN AUTHOR

4. A CROSS-SECTIONAL STUDY ON THE PREVALENCE OF DEPRESSION AND ANXIETY AMONG DENTAL STUDENTS DURING THE COVID-19 PANDEMIC

JOURNAL OF DENTOMAXILLOFACIAL SCIENCE

2024 | JOURNAL | SCOPUS | CO-AUTHOR

5. ORTHODONTISTS' KNOWLEDGE, ATTITUDES AND PERCEPTIONS REGARDING SMOKING CESSATION: A PILOT STUDY

ANNALS OF DENTISTRY

2024 | JOURNAL | SCOPUS | MAIN AUTHOR

6. INFLUENCE OF SOCIAL MEDIA TOWARDS AESTHETIC DENTISTRY: PERSPECTIVE OF PATIENTS IN UKM KL DENTAL CLINIC

JOURNAL OF HEALTH AND TRANSLATIONAL MEDICINE

2024 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

PUBLICATION

7. ENHANCING ORAL HEALTH EDUCATION FOR YOUNGSTERS IN HIGH-IMPACT SPORT - AN INNOVATIVE TRAINING MODULE

INTERNATIONAL DENTAL TRAUMATOLOGY CONFERENCE 2024

2024 PROCEEDING NON-INDEX CO-AUTHOR

8. EMOTIONAL INTELLIGENCE, DEPRESSION, STRESS AND ANXIETY AMONGST UNDERGRADUATE DENTAL STUDENTS DURING THE COVID-19 PANDEMIC

INTERNATIONAL JOURNAL OF PUBLIC HEALTH

2023 JOURNAL OTHER DATABASE CO-AUTHOR

9. METHODS OF DELIVERING ORAL HYGIENE INSTRUCTIONS AMONG ORTHODONTIC PATIENTS: THE PAST, CURRENT AND FUTURE

JURNAL SAINS KESIHATAN MALAYSIA

2023 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

10. THE 'HERO GIGI' PROJECT: THE USE OF TELEDENTISTRY TO EMPOWER ABORIGINAL COMMUNITY

FEDERATION OF ISLAMIC MEDICAL ASSOCIATION (FIMA) CONVENTION IN CONJUNCTION WITH 24TH ISLAMIC MEDICAL ASSOCIATION OF MALAYSIA (IMAM) ANNUAL SCIENTIFIC CONFERENCE 2023

2023 PROCEEDING NON-INDEX CO-AUTHOR

11. EFFECTIVENESS OF DIFFERENT MEDIA APPROACHES FOR ORTHODONTIC ORAL HYGIENE INSTRUCTION: A RANDOMIZED CONTROLLED TRIAL

JOURNAL OF RESEARCH IN MEDICAL AND DENTAL SCIENCE

2022 JOURNAL WOS MAIN AUTHOR / CONTACT PERSON IN USIM

12. EDUCATION 4.0: ARE STUDENTS AWARE AND READY FOR IT?

TEIKYO MEDICAL JOURNAL

2022 JOURNAL SCOPUS CORRESPONDING AUTHOR

13. KNOWLEDGE, ATTITUDE AND PERCEPTION AMONG ORTHODONTISTS TOWARDS SMOKING CESSATION THERAPY

5TH USIM INTERNATIONAL HEALTH CONFERENCE 2022, LESSONS FROM PANDEMIC: RESHAPING MEDICINE AND HEALTHCARE

2022 PROCEEDING SCOPUS MAIN AUTHOR

14. PENGGUNAAN APLIANS PENAHAN ORTODONTIK BOLEH TANGGAL BAGI PENGEKALAN HASIL RAWATAN ORTODONTIK ? ULASAN

JURNAL SAINS KESIHATAN MALAYSIA

2021 JOURNAL MYCITE MAIN AUTHOR / CONTACT PERSON IN USIM

15. ONLINE ORAL HYGIENE INSTRUCTIONS FOR ORTHODONTIC PATIENTS IN MALAYSIAN POPULATION

MEDICINE & HEALTH

2021 JOURNAL INDEX BY WOS & MYCITE MAIN AUTHOR / CONTACT PERSON IN USIM

16. FLUORIDE AWARENESS AMONG STUDENTS IN UNIVERSITI KEBANGSAAN MALAYSIA, KUALA LUMPUR CAMPUS

TEIKYO MEDICAL JOURNAL

2021 JOURNAL SCOPUS CORRESPONDING AUTHOR

PUBLICATION

17. DISKREPANSI SAIZ GIGI INTERMAKSILA DAN KESANNYA TERHADAP HASIL RAWATAN ORTODONTIK

JURNAL SAINS KESIHATAN MALAYSIA

2021 | JOURNAL | MYCITE | CORRESPONDING AUTHOR

18. IDENTIFICATION OF THE USE OF SUBSTANCES AMONG ORTHODONTIC PATIENTS

INTERNATIONAL JOURNAL OF HUMAN AND HEALTH SCIENCES SUPPLEMENTARY ISSUE: 2022 PAGE: S3

2021 | PROCEEDING | NON-INDEX | MAIN AUTHOR

19. CLINICAL AND MICROBIOLOGICAL EVALUATION OF STABILISED PERIODONTAL PATIENTS UNDERGOING EARLY STAGE OF ORTHODONTIC TREATMENT

MEDICINE & HEALTH

2020 | JOURNAL | INDEX BY WOS & MYCITE | MAIN AUTHOR / CONTACT PERSON IN USIM

20. METHODS OF INSTRUCTION ON KNOWLEDGE RETENTION AMONG ORTHODONTIC PATIENTS: A RANDOMIZED CONTROLLED TRIAL

MALAYSIAN JOURNAL OF MEDICINE & HEALTH SCIENCES

2020 | JOURNAL | SCOPUS | CORRESPONDING AUTHOR

21. INFORMATION RETENTION IN DIFFERENT METHODS OF ORAL HYGIENE INSTRUCTION DELIVERY AMONG ORTHODONTIC PATIENTS

INDIAN JOURNAL OF NATURAL SCIENCES

2020 | JOURNAL | WOS | CORRESPONDING AUTHOR

22. TOOTH SIZE DISCREPANCY IN CLASS II DIVISION 1 MALOCCLUSION AMONG ORTHODONTIC PATIENT

INDIAN JOURNAL OF NATURAL SCIENCES

2020 | JOURNAL | WOS | CO-AUTHOR

23. MUSCULOSKELETAL DISORDERS AMONG DENTAL STUDENTS

JOURNAL OF RESEARCH IN MEDICAL AND DENTAL SCIENCE

2020 | JOURNAL | WOS | CO-AUTHOR

24. THE EFFECTIVENESS OF TWO MANUAL SLIM BRISTLES TOOTHBRUSHES AMONG FIXED ORTHODONTIC APPLIANCE PATIENTS

JURNAL SAINS KESIHATAN MALAYSIA

2019 | JOURNAL | MYCITE | CORRESPONDING AUTHOR

25. PRESENCE OF PATHOGENIC CANDIDAL HYPHAE IN PATIENTS WITH PALATAL COVERAGE APPLIANCES /PROSTHESES

ARCHIVES OF OROFACIAL SCIENCES

2019 | JOURNAL | WOS | CORRESPONDING AUTHOR

26. ORAL HYGIENE PRACTICES AMONG FIXED ORTHODONTIC PATIENTS IN A UNIVERSITY DENTAL SETTING

INTERNATIONAL JOURNAL OF ORAL AND DENTAL HEALTH

2016 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

PUBLICATION

27. THE USE OF INFORMATION AND COMMUNICATION TECHNOLOGY AMONG UNDERGRADUATE STUDENTS IN DENTAL TRAINING

JOURNAL OF EDUCATION AND ETHICS IN DENTISTRY

2016 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

28. TANYALAH PAKAR TENTANG FIQH DENTAL

2015 | BOOK | CO-AUTHOR

29. ASSESSMENT OF ORTHODONTIC TREATMENT NEEDS USING A MODIFIED AESTHETIC SCALE

SAINS MALAYSIANA

2013 | JOURNAL | ISI AND SCOPUS | CORRESPONDING AUTHOR

30. THE EFFECT OF TRIPLE HEADED TOOTHBRUSH IN FIXED ORTHODONTIC PATIENTS

THE INTERNATIONAL JOURNAL OF ORAL HEALTH

2013 | JOURNAL | OTHER DATABASE | MAIN AUTHOR / CONTACT PERSON IN USIM

31. COMPARISON OF ANTERIOR TOOTH SIZE DISCREPANCIES AMONG DIFFERENT MALOCCLUSION GROUPS

MALAYSIAN JOURNAL OF MEDICINE AND HEALTH SCIENCES

2013 | JOURNAL | SCOPUS | MAIN AUTHOR / CONTACT PERSON IN USIM

32. CREVICULAR ALKALINE PHOSPHATASE ACTIVITY AND RATE OF TOOTH MOVEMENT OF FEMALE ORTHODONTIC SUBJECTS UNDER DIFFERENT CONTINUOUS FORCE APPLICATIONS

INTERNATIONAL JOURNAL OF DENTISTRY

2013 | JOURNAL | ERA | CO-AUTHOR

33. CHARACTERISTICS OF SMOKERS ATTENDING A SMOKING CESSATION PROGRAM IN A DENTAL SETTING.

THE INTERNATIONAL JOURNAL OF ORAL HEALTH

2012 | JOURNAL | OTHER DATABASE | CO-AUTHOR

34. EFFECTIVENESS OF SELF-ETCHING PRIMER VERSUS CONVENTIONAL ETCH AND BOND TECHNIQUE IN FIXED ORTHODONTIC TREATMENT

SAINS MALAYSIANA

2012 | JOURNAL | ISI AND SCOPUS | CORRESPONDING AUTHOR

35. ORTHODONTIC MATERIAL USAGE AMONG MALAYSIAN ORTHODONTISTS

SAINS MALAYSIANA

2011 | JOURNAL | ISI AND SCOPUS | MAIN AUTHOR / CONTACT PERSON IN USIM

36. A MODIFIED AESTHETIC COMPONENT OF IOTN AMONG MALAYSIAN POPULATION

THE INTERNATIONAL JOURNAL OF ORAL HEALTH

2011 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

37. PATTERN OF CREVICULAR ALKALINE PHOSPHATASE DURING ORTHODONTIC TOOTH MOVEMENT: LEVELING & ALIGNMENT STAGE

SAINS MALAYSIANA

2011 | JOURNAL | ISI AND SCOPUS | MAIN AUTHOR / CONTACT PERSON IN USIM

PUBLICATION

38. CREVICULAR TARTRATE RESISTANT ACID PHOSPHATASE ACTIVITY AND RATE OF TOOTH MOVEMENT UNDER DIFFERENT CONTINUOUS FORCE APPLICATIONS

AFRICAN JOURNAL OF PHARMACY AND PHARMACOLOGY

2011 JOURNAL SCOPUS CO-AUTHOR

39. PRESCRIPTION OF ORTHODONTIC BRACKETS AND RETAINERS BY MALAYSIAN ORTHODONTISTS

DENTIKA DENTAL JOURNAL

2009 JOURNAL OTHER DATABASE MAIN AUTHOR / CONTACT PERSON IN USIM

40. CREVICULAR ALKALINE PHOSPHATASE ACTIVITY DURING ORTHODONTIC TOOTH MOVEMENT: CANINE RETRACTION STAGE

JOURNAL OF MEDICAL SCIENCES

2008 JOURNAL SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

41. REASONS FOR SEEKING ORTHODONTIC TREATMENT: A PILOT STUDY

THE ANNALS OF DENTISTRY UNIVERSITY OF MALAYA

2001 JOURNAL OTHER DATABASE CO-AUTHOR

AWARDS/RECOGNITION

1. FIRST PLACE IN POSTER PRESENTATION : SPECIALIST CATEGORY

2025 INTERNATIONAL

2. CALON PESERTA ANUGERAH REKABENTUK INOVASI PENGAJARAN & PEMBELAJARAN USIM TAHUN 2025

2025 UNIVERSITY

3. JURUAUDIT CEMERLANG BAGI SKOP SISTEM PENGURUSAN KUALITI ISO 9001:2015

2025 UNIVERSITY

4. VISITING SCHOLAR

MALAYSIAN DENTAL COUNCIL

2025 NATIONAL

5. ACADEMIC ADVISOR

MALAYSIAN ASSOCIATION OF ORTHODONTISTS (ORAL)

2025 INTERNATIONAL

6. ACADEMIC ADVISOR

MALAYSIAN ASSOCIATION OF ORTHODONTISTS (POSTER)

2025 INTERNATIONAL

7. ACADEMIC ADVISOR

MALAYSIAN ASSOCIATION OF ORTHODONTISTS (CHAIRPERSON)

2025 INTERNATIONAL

AWARDS/RECOGNITION

8. ACADEMIC PROGRAM ADVISOR

USM

2025 NATIONAL

9. ACADEMIC ADVISOR

MAJLIS PERGIGIAN MALAYSIA

2025 NATIONAL

10. CHARACTERISTICS OF FIRST DENTAL VISIT: A STUDY ON THE YOUNG PAEDIATRIC PATIENTS.

4th iDent 2025

2025 ANTARABANGSA BRONZE

11. ACADEMIC ADVISOR

UITM

2024 NATIONAL

12. ACADEMIC ADVISOR

PROGRAM KESIHATAN PERGIGIAN, KKM

2024 NATIONAL

13. DENTAMANIA: AN EDUCATION KIT

USIM DENTANOVA COMPETITION

2024 UNIVERSITI BRONZE

14. ACADEMIC ADVISOR

PUSAT PENGURUSAN PENYELIDIKAN & INOVASI

2023 UNIVERSITY

15. ACADEMIC ADVISOR

PUSAT PENGURUSAN PENYELIDIKAN & INOVASI

2023 UNIVERSITY

16. SECOND PLACE FOR E-POSTER PRESENTATION

2022 NATIONAL

17. TEMPAT KETIGA MINECRAFT KAMPUS BARAKAH CHALLENGE 2022

2022 UNIVERSITY

18. SILVER AWARD (PRODUCT), INOVAS 2022

2022 NATIONAL

19. ACADEMIC ADVISOR

MINISTRY OF HIGHER EDUCATION

2022 NATIONAL

AWARDS/RECOGNITION

20. ACADEMIC ADVISOR

MALAYSIAN DENTAL COUNCIL, MINISTRY OF HEALTH

2022 NATIONAL

21. POSCARE APP

INOVAS 2022: Human Well-being & Sustainable Community

2022 UNIVERSITI SILVER

22. PINGAT PERAK

2021 NATIONAL

23. ACADEMIC ADVISOR

KEMENTERIAN KESIHATAN MALAYSIA

2020 NATIONAL