

DR. SYIRAL MASTURA BINTI ABDULLAH

PENSYARAH PERGIGIAN DUG15

CONTACT

PHONE

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FACULTY

Fakulti Pergigian

SUPERVISION

	COMPLETED	ONGOING
PhD	0	0
Master	0	0

AREAS OF EXPERTISE

Orthodontics

ACADEMIC QUALIFICATION

2011 **Master** - Ortodontik

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 | MAIN RESEARCHER

2. **IN VIVO EVALUATION ORAL MICROBIOME ON 3D-PRINTED ORTHODONTIC RETAINER VS VACUUM FORMED RETAINER**

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

3. **A COMPARATIVE STUDY OF DENTAL ARCH FORM IN DIFFERENT GENDER AND MALOCCLUSION OF MALAY POPULATION**

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

4. **THE DEVELOPMENT AND FITTING ACCURACY OF 3D PRINTED RETAINER AND VACUUM FORMED RETAINER**

2023 | GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) | ON GOING | CO-RESEARCHER

5. **THE EFFECT OF OCCUPATIONAL NOISE EXPOSURE ON HEARING AND MENTAL HEALTH AMONG STAFFS AND STUDENTS IN DENTAL FACILITIES**

2022 | BIDUNI MIZANNIYAH | COMPLETED | MAIN RESEARCHER

RESEARCH

6. DIFFERENCES IN SKELETAL AGE, DENTAL AGE, AND DURATION OF GROWTH SPURT BASED ON CHRONOLOGICAL AGE AND GENDER TYPES BETWEEN INDONESIA AND MALAYSIA POPULATIONS

2021 | BIDUNI MIZANNIYAH | COMPLETED | CO-RESEARCHER

7. HIGH ANGLE CASES IN DIFFERENT TYPES OF SKELETAL PATTERN AMONG ORTHODONTIC PATIENTS IN USIM SPECIALIST CLINIC

2020 | GERAN PENYELIDIKAN KHAS | COMPLETED | MAIN RESEARCHER

8. GEOMETRIC MORPHOMETRICS ANALYSIS OF MALOCCLUSION ON LATERAL CEPAHLOGRAM IN ADULT MALAYSIAN POPULATION

2018 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

9. THE EFFECT OF TUNGSTEN CARBIDE BUR ON ENAMEL SURFACE AFTER DEBONDING ORTHODONTIC BRACKETS.

2017 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

10. RADIOGRAPHIC EVALUATION OF GUSTAFSON'S CRITERIA FOR AGE ESTIMATION IN MALAYSIAN POPULATION

2017 | PENYELIDIKAN TANPA BIAYA | COMPLETED | CO-RESEARCHER

11. THE PSYCHOCIAL IMPACT OF DENTAL AESTHETICS ON PATIENTS WHO REQUIRE ORTHODONTICS TREATMENT IN USIM DENTAL CLINIC

2016 | GERAN JANGKA PENDEK FASA 1 | COMPLETED | CO-RESEARCHER

12. A STUDY ON THE EFFICACY OF TWO TYPES OF MANUAL TOOTHBRUSHES IN PATIENTS WITH FIXED APPLIANCES

2016 | GERAN JANGKA PENDEK FASA 1 | COMPLETED | CO-RESEARCHER

13. SUPERNUMERY TEETH IN PAEDIATRIC PATIENTS - FREQUENCY AND PROBLEMS

2013 | GERAN PENYELIDIKAN JANGKA PENDEK | COMPLETED | MAIN RESEARCHER

14. ASSESSMENT OF FAILURE RATE BETWEEN MOLAR BANDS, BONDABLE TUBES AND BONDABLE TUBES WITH FLOWABLE COMPOSITE

2013 | GERAN KPT | COMPLETED | CO-RESEARCHER

PUBLICATION

1. THE EFFECT OF NOISE SENSITIVITY AND MENTAL HEALTH AMONG STAFFS AND STUDENTS IN USIM DENTAL FACILITIES

4TH I-DENT 2025

2025 | PROCEEDING | NON-INDEX | MAIN AUTHOR

2. EFFECT OF TUNGSTEN CARBIDE BUR ON ENAMEL AFTER BRACKETS DEBONDING

FDI WORLD DENTAL CONGRESS SHANGHAI 2025

2025 | PROCEEDING | SCOPUS | MAIN AUTHOR

PUBLICATION

3. THE EFFECT OF TUNGSTEN CARBIDE BUR ON ENAMEL SURFACE AFTER DEBONDING ORTHODONTIC BRACKETS

4TH I- DENT 2025

2025 PROCEEDING MYCITE MAIN AUTHOR

4. COMPARISON OF DENTAL ARCH DIMENSIONS ACCORDING TO GENDER AND MALOCCLUSION

FDI WORLD DENTAL CONGRESS SHANGHAI 2025

2025 PROCEEDING SCOPUS MAIN AUTHOR

5. THE FUTURE OF ORTHODONTICS: AI'S ROLE IN IMPROVING ACCURACY AND TREATMENT OUTCOMES

IST INTERNATIONAL WRITETC CONGRESS ON SOCIAL SOCIENCESVAND HEALTH SCIENCES IN THE AGE OF ARTIFICIAL INTELLIGENCE

2024 PROCEEDING NON-INDEX MAIN AUTHOR

6. ARTIFICIAL INTELLIGENCE FOR DENTAL MALOCCLUSION IDENTIFICATION

21ST CONGRESS OF THE INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS (IFAA 2024)

2024 PROCEEDING SCOPUS MAIN AUTHOR

7. LATERAL CEPHALOGRAM CONTOUR TRANSFORMATION FRAMEWORK FOR SKELETAL MALOCCLUSION CLASSIFICATION.

THE 4TH INTERNATIONAL CONFERENCE OF APPLIED COMPUTING 2023 (ICAC2023)

2023 PROCEEDING SCOPUS CO-AUTHOR

8. THE EFFECT OF NOISE SENSITIVITY AND MENTAL HEALTH AMONG STAFFS AND STUDENTS IN USIM DENTAL FACILITIES

9TH USIM DENTAL STUDENT COLLOQUIUM

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

9. THE EFFECT OF NOISE SENSITIVITY AND MENTAL HEALTH AMONG STAFFS AND STUDENTS IN USIM DENTAL FACILITIES

9TH DENTAL STUDENTS' COLLOQUIUM

2023 PROCEEDING NON-INDEX CO-AUTHOR

10. RAWATAN PERGIGIAN PEDIATRIK DAN ORTODONTIK

2023 BOOK

11. APPLIAN BOLEH TANGGAL

RAWATAN PERGIGIAN PEDIATRIK DAN ORTODONTIK

2023 CHAPTER IN BOOK MAIN AUTHOR

12. HIGH ANGLE CASES IN DIFFERENT TYPES OF SKELETAL PATTERN AMONG MALAY ORTHODONTIC PATIENTS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2022 JOURNAL SCOPUS CORRESPONDING AUTHOR

13. INCISOR MALOCCLUSION USING CUT-OUT METHOD AND CONVOLUTIONAL NEURAL NETWORK

PROGRESS IN MICROBES AND MOLECULAR BIOLOGY

2022 JOURNAL OTHER DATABASE CO-AUTHOR

PUBLICATION

14. THE DIFFERENTIAL PATTERN IN SKELETAL-DENTAL AGE AND DURATION OF GROWTH SPURT BASED ON CHRONOLOGICAL AGE AND GENDER TYPES (A COMPARISON STUDY BETWEEN INDONESIAN AND MALAYSIAN CHILDREN POPULATIONS)

INDIAN JOURNAL OF FORENSIC MEDICINE AND TOXICOLOGY

2022 JOURNAL OTHER DATABASE CO-AUTHOR

15. PRELIMINARY STUDY ON ONLINE ORTHODONTIC SCREENING APPS

INTERNATIONAL JOURNAL OF MEDICAL SCIENCE AND INNOVATIVE RESEARCH

2021 JOURNAL OTHER DATABASE CO-AUTHOR

16. A COMPARATIVE STUDY OF DENTAL INDICES AMONG DENTAL STUDENTS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2020 JOURNAL SCOPUS MAIN AUTHOR

17. STUDENTS? PERCEPTION ON USAGE OF ORTHODONTIC INDICES DURING CLINICAL EXAMINATION.

INTERNATIONAL HEALTH E CONFERENCE 2020

2020 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

18. A COMPARATIVE STUDY OF DENTAL AESTHETIC INDEX (DAI) AND INDEX OF ORTHODONTIC TREATMENT NEED (IOTN) USAGE AMONG USIM DENTAL STUDENTS.

INTERNATIONAL HEALTH E CONFERENCE 2020

2020 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

19. GEOMETRIC MORPHOMETRIC ANALYSIS OF MALOCCLUSION ON LATERAL CEPHALOGRAMS IN MALAYSIAN POPULATION

ANATOMY AND CELL BIOLOGY

2019 JOURNAL SCOPUS CO-AUTHOR

20. THE PSYCHOSOCIAL IMPACT OF DENTAL AESTHETICS ON ORTHODONTICS PATIENTS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS CO-AUTHOR

21. A RANDOMIZED CONTROLLED TRIAL ON THE EFFICACY OF TWO TYPES OF MANUAL TOOTHBRUSHES IN PATIENTS WITH FIXED APPLIANCES

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS CO-AUTHOR

22. A COMPARATIVE STUDY OF DAI AND IOTN INDICES USAGE AMONG USIM DENTAL STUDENTS

52ND SCIENTIFIC CONGREE OF KOREAN ASSOCIATION OF ORTHODONTIST

2019 PROCEEDING NON-INDEX CO-AUTHOR

23. KNOWLEDGE ON WHITE SPOT LESIONS (WSL) AMONG FIXED ORTHODONTIC PATIENTS : A PILOT STUDY

INTERNATIONAL JOURNAL FOR STUDIES ON CHILDREN, WOMEN, ELDERLY AND DISABLED, VOL. 4, (JUNE)

2018 JOURNAL OTHER DATABASE MAIN AUTHOR

PUBLICATION

24. KNOWLEDGE ON WHITE SPOT LESIONS (WSL) AMONG FIXED ORTHODONTIC PATIENTS : A PILOT STUDY

THE 4TH PUTRAJAYA INTERNATIONAL CONFERENCE ON CHILDREN, WOMEN, ELDERLY AND PEOPLE WITH DISABILITIES 2018

2018 PROCEEDING NON-INDEX MAIN AUTHOR

25. SUPERNUMERARY TEETH IN PAEDIATRIC PATIENTS - FREQUENCY AND PROBLEMS

THE 24TH MALAYSIAN ASSOCIATION OF ORTHODONTISTS INTERNATIONAL SCIENTIFIC CONFERENCE AND TRADE EXHIBITION

2018 PROCEEDING NON-INDEX MAIN AUTHOR

26. THE PSYCHOSOCIAL IMPACT OF DENTAL MALOCCLUSION ON PATIENTS WHO REQUIRE ORTHODONTIC TREATMENT

THE 24TH MALAYSIAN ASSOCIATION OF ORTHODONTISTS INTERNATIONAL SCIENTIFIC CONFERENCE AND TRADE EXHIBITION

2018 PROCEEDING NON-INDEX CO-AUTHOR

27. PLAQUE REMOVAL EFFICIENCY COMPARISON BETWEEN TWO TYPES OF MANUAL TOOTHBRUSHES IN PATIENTS UNDERGOING FIXED ORTHODONTIC TREATMENT:A RANDOMIZED CLINICAL TRIAL.

THE 24TH MALAYSIAN ASSOCIATION OF ORTHODONTISTS INTERNATIONAL SCIENTIFIC CONFERENCE AND TRADE EXHIBITION

2018 PROCEEDING NON-INDEX CO-AUTHOR

28. RADIOGRAPH IN ORTHODONTICS

2018 BOOK MAIN AUTHOR

29. DESCRIPTIVE STUDY OF SUPERNUMERARY TEETH IN PAEDIATRICS PATIENTS

12TH WORLD CONGRESS ON DENTISTRY AND ORAL HEALTH

2016 PROCEEDING NON-INDEX MAIN AUTHOR

30. ORTHODONTIC EXAMINATION AND DIAGNOSIS

2016 BOOK CO-AUTHOR

31. COMPARISON BETWEEN MOLAR BANDS,BONDABLE TUBES AND BONDABLE TUBES WITH FLOWABLE COMPOSITE

SCIENTIFIC COOPERATIONS MEDICAL WORKSHOPS,ISTANBUL TURKEY.

2015 PROCEEDING NON-INDEX CO-AUTHOR

32. ASSOCIATION OF POSITIONAL VARIATIONS OF PREMOLARS WITH INTERARCH FEATURES AMONG MALAYSIANS

INTERNATIONAL JOURNAL OF CURRENT RESEARCH

2014 JOURNAL OTHER DATABASE MAIN AUTHOR

33. POSITIONAL VARIATION OF PREMOLARS AMONG 15-35 YEAR OLD MALAYSIANS.

17TH MALAYSIAN ASSOCIATION OF ORTHODONTIST INTERNATIONAL SCIENTIFIC CONFERENCE AND TRADE EXIBITION

2011 PROCEEDING NON-INDEX MAIN AUTHOR

34. DESCRIPTION OF CLINICAL FEATURES OF PREMOLARS AMONG YOUNG MALAYSIAN ADULTS

9TH INTERNATIONAL CONFERENCE OF ASIAN ACADEMY OF PREVENTIVE DENTISTRY

2010 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

35. DESCRIPTION OF CLINICAL FEATURES OF PREMOLARS AMONG 505 YOUNG MALAYSIAN ADULTS

MINGGU PENYELIDIKAN PERUBATAN DAN KESIHATAN KE-12 UKM

2010 PROCEEDING NON-INDEX MAIN AUTHOR

AWARDS/RECOGNITION

1. SECOND PLACE CLINICAL RESEARCH

2025 UNIVERSITY

2. IADR MALAYSIAN SECTION JUNIOR AWARD POSTER SECOND PLACE

2022 NATIONAL

3. THIRD PLACE IN POSTER PRESENTATION

2020 INTERNATIONAL

4. ANUGERAH PEKERJA CEMERLANG USIM 2016

2017 UNIVERSITY

5. ANUGERAH PEKERJA CEMERLANG NEGERI TERENGGANU KEMENTERIAN KESIHATAN MALAYSIA 2004

2004 STATE