



## DR. MUHAMMAD SYAFIQ BIN ALAUDDIN

PENSYARAH PERGIGIAN DUG14

### CONTACT

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E-mail:

syafiq.alauddin@usim.edu.m

Faculty: Fakultas Pergigian

### SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 1, Ongoing: 1

## AREAS OF EXPERTISE

Conservative Dentistry

Implantology

## ACADEMIC QUALIFICATION

Sarjana Keperawatan in Prosthodontics (2017)

Bachelor in Dental Surgery (2011)

## RESEARCH

**1. ELUCIDATING THE ROLE OF ZIRCONIA MICROPARTICLE WASTE IN MODULATING THE PROPERTIES OF PHOTOPOLYMER RESINS FOR 3D-PRINTED DENTAL CROWNS.**

2026 GERAN PENYELIDIKAN FUNDAMENTAL ON GOING CO-RESEARCHER

**2. CHARACTERIZATION OF MECHANICAL PROPERTIES AND MICROBIAL ADHERENCE OF HIGH-PERFORMANCE POLYMER, POLYETHERIMIDE (PEI) REINFORCED ON THREE-DIMENSIONAL (3D) PRINTED REMOVABLE DENTURE BASE**

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

**3. ELUCIDATING THE PROPERTIES OF HIGH-PERFORMANCE POLYMERS REINFORCED ON THREE-DIMENSIONAL PRINTED SPORTS MOUTHGUARD.**

2024 GERAN KPT ON GOING CO-RESEARCHER

**4. ELUCIDATION OF FINISHING AND POLISHING SYSTEMS EFFECT ON PHYSICAL AND MECHANICAL PROPERTIES OF RECENTLY DEVELOPED BULK FILL RESIN COMPOSITE.**

2022 GERAN PENYELIDIKAN USIM ON GOING CO-RESEARCHER

**5. ELUCIDATING THE PROPERTIES OF HIGH-PERFORMANCE  
POLYMERS REINFORCED ON THREE-DIMENSIONAL PRINTED  
REMOVABLE DENTURE BASE**

2021

GERAN KPT

ON GOING

MAIN RESEARCHER

# RESEARCH

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## 6. INVESTIGATION OF COMPLETE DENTURE PERFORMANCE UTILISING ADDITIVE MANUFACTURING TECHNIQUE

2021 GERAN PENYELIDIKAN INDUSTRI COMPLETED MAIN RESEARCHER

## 7. ANTIFUNGAL ACTIVITY OF FIG VINEGAR AGAINST THE ADHERENCE OF CANDIDA ALBICANS ON DENTURES

2021 BIDUNI MIZANNIYAH COMPLETED CO-RESEARCHER

## 8. FASHIONABLE WHITENING TOOTHPASTE: AN EVALUATION OF THE TOOTH WHITENING EFFECT AND ENAMEL SURFACE ROUGHNESS

2021 GERAN PENYELIDIKAN USIM COMPLETED CO-RESEARCHER

## 9. ANTI-MICROBIAL EFFECTS OF CONCENTRATED GROWTH FACTOR (CGF) AGAINST MICROORGANISMS OF ORAL CAVITY

2020 PENYELIDIKAN TANPA BIAYA COMPLETED MAIN RESEARCHER

## 10. 3D PRINTED EMERGENCY DEVICE (VENTILATOR)

2020 GERAN PENYELIDIKAN COVID-19 COMPLETED CO-RESEARCHER

## 11. MAXIM FIQH DAN PERUNDANGAN SYARIAH DALAM KONSEP MASLAHAH BAGI TERAPI CONVALESCENT-PLASMA TERHADAP PESAKIT COVID-19

2020 GERAN PENYELIDIKAN COVID-19 COMPLETED CO-RESEARCHER

## 12. AN EVALUATION OF FULL COVERAGE CROWN PREPARATIONS : AN INSTITUTIONAL ANALYSIS

2019 GERAN PENYELIDIKAN KHAS COMPLETED MAIN RESEARCHER

## 13. TEACHING OF POSTERIOR COMPOSITE RESIN RESTORATIONS IN UNDERGRADUATE DENTAL SCHOOLS IN MALAYSIA

2018 GERAN PENYELIDIKAN USIM COMPLETED MAIN RESEARCHER

## 14. LEARNING STYLE OF USIM UNDERGRADUATE DENTAL STUDENTS

2018 PENYELIDIKAN TANPA BIAYA COMPLETED CO-RESEARCHER

## 15. THE EFFECT OF NON-DOMINANT HAND ON ORAL HYGIENE CARE

2018 PENYELIDIKAN TANPA BIAYA COMPLETED CO-RESEARCHER

## 16. CLINICAL EVALUATION OF CLASS V CAVITY RESTORED WITH CONVENTIONAL GLASS IONOMER CEMENT (GIC) AND RESIN MODIFIED GLASS IONOMER CEMENT (RMGIC)

2013 GERAN PENYELIDIKAN JANGKA PENDEK COMPLETED CO-RESEARCHER

# PUBLICATION

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## 1. AN EVALUATION OF CYTOTOXIC ACTIVITY AND ANTIMICROBIAL PROPERTIES OF POLYETHERIMIDE REINFORCED ON 3D PRINTED DENTURE BASE

I-DENT 2025

2025 PROCEEDING MYCITE CORRESPONDING AUTHOR

## 2. INFLUENCE OF DIFFERENT POLISHING SYSTEMS ON SURFACE ROUGHNESS AND MICROHARDNESS OF BULK-FILL RESIN-BASED COMPOSITES: AN IN VITRO STUDY

INTERNATIONAL JOURNAL OF PROSTHODONTICS AND RESTORATIVE DENTISTRY

2024 JOURNAL SCOPUS CO-AUTHOR

## 3. DEVELOPMENT OF 3-Dimensionally Printed Denture Base Material Utilizing Hybrid Polymer: A Preliminary Investigation

JOURNAL OF PROSTHETIC DENTISTRY

2024 JOURNAL ERA CORRESPONDING AUTHOR

## 4. THE STUDY OF DEGRADATION AND MECHANICAL PROPERTIES OF POLY(LACTIC) ACID (PLA) BASED 3D PRINTED FILAMENT

ENGINEERING RESEARCH EXPRESS

2024 JOURNAL WOS CO-AUTHOR

## 5. ANTIMICROBIAL PROPERTIES OF POLYETHERIMIDE (PEI) REINFORCED ON 3D PRINTED DENTURE BASE: A PRELIMINARY INVESTIGATION

IBC 2024

2024 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 6. AN EVALUATION OF CYTOTOXIC ACTIVITIES OF POLYETHERIMIDE (PEI) REINFORCED ON 3D PRINTED DENTURE BASE

IBC 2024

2024 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 7. ANTIFUNGAL EFFICACY OF NIGELLA SATIVA OIL EXTRACT IN INHIBITING CANDIDA ALBICANS COLONIZATION ON 3D-PRINTED DENTURE BASES

BOTANIC GARDENS SYMPOSIUM 2024 (BGS2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 8. DESCRIPTION OF POLY(ARYL-ETHER-KETONE) MATERIALS (PAEKs), POLYETHERETHERKETONE (PEEK) AND POLYETHERKETONEKETONE (PEKK) FOR APPLICATION AS A DENTAL MATERIAL: A MATERIALS SCIENCE REVIEW

POLYMERS

2023 JOURNAL ERA CORRESPONDING AUTHOR

## 9. MECHANICAL AND STRUCTURAL PROPERTIES OF POLYHYDROXYBUTYRATE AS ADDITIVE IN BLEND MATERIAL IN ADDITIVE MANUFACTURING FOR MEDICAL APPLICATIONS

POLYMERS

2023 JOURNAL ERA CO-AUTHOR

## 10. EFFECT OF DIFFERENT VAT POLYMERIZATION TECHNIQUES ON MECHANICAL AND BIOLOGICAL PROPERTIES OF 3D-PRINTED DENTURE BASE

POLYMERS

2023 JOURNAL ERA CORRESPONDING AUTHOR

## 11. HALAL STANDARDS AS ELEMENTS IN THE LEGAL FRAMEWORK OF 3D/4D-PRINTED FOOD USING SOURCE-COMPOSITION-MANUFACTURING AND HALAL FORENSIC CONCEPTS

FOOD RESEARCH

2023 JOURNAL OTHER DATABASE MAIN AUTHOR

## 12. A PRELIMINARY INVESTIGATION ON NOVEL THREE DIMENSIONAL PRINTED HYBRID DENTURE BASE POLYMER

CONSASIA 2023

2023 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

**13. A PRELIMINARY INVESTIGATIONS ON THE MECHANICAL AND BIOLOGICAL PROPERTIES OF PMMA INCORPORATED WITH MICROPARTICLES ZIRCONIA WASTE ON 3D-PRINTED DENTURE BASE**

15TH NATIONAL DENTAL STUDENTS SCIENTIFIC CONFERENCE 2023

2023

PROCEEDING

NON-INDEX

CORRESPONDING AUTHOR

# PUBLICATION

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## 14. THE 3D PRINTABILITY AND MECHANICAL PROPERTIES OF POLYHYDROXYBUTYRATE (PHB) AS ADDITIVES IN URETHANE DIMETHACRYLATE (UDMA) BLENDS POLYMER FOR MEDICAL APPLICATION

POLYMERS

2022 JOURNAL ERA CO-AUTHOR

## 15. PRELIMINARY NOVEL ANALYSIS ON ANTIMICROBIAL PROPERTIES OF CONCENTRATED GROWTH FACTOR AGAINST BACTERIA-INDUCED ORAL DISEASES

EUROPEAN JOURNAL OF DENTISTRY

2022 JOURNAL SCOPUS MAIN AUTHOR

## 16. MODIFICATION OF POLYMER BASED DENTURES ON BIOLOGICAL PROPERTIES: CURRENT UPDATE, STATUS, AND FINDINGS

INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES

2022 JOURNAL ERA CORRESPONDING AUTHOR

## 17. THE STRUCTURAL INTEGRITY AND FRACTURE BEHAVIOUR OF TEETH RESTORED WITH PEEK AND LITHIUM-DISILICATE GLASS CERAMIC CROWNS

POLYMERS

2022 JOURNAL ISI CORRESPONDING AUTHOR

## 18. ONLINE ORTHODONTICS SCREENING FOR DENTAL EDUCATION

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2022 JOURNAL SCOPUS CO-AUTHOR

## 19. BARRIER MEMBRANE IN REGENERATIVE THERAPY: A NARRATIVE REVIEW

MEMBRANES

2022 JOURNAL SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

## 20. ADDITIVE MANUFACTURING (3D PRINTING) EMERGENCY DEVICES

NATIONAL HEALTH SEMINAR 2021 MALAYSIAN JOURNAL OF PUBLIC HEALTH MEDICINE

2022 PROCEEDING NON-INDEX CO-AUTHOR

## 21. MECHANICAL PROPERTIES OF HIGH PERFORMANCE POLYMER REINFORCED ON 3D PRINTED REMOVABLE DENTURE BASE

POSTGRADUATE RESEARCH SYMPOSIUM FACULTY OF DENTISTRY 2022

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 22. MECHANICAL AND SURFACE CHARACTERISATION OF 3D PRINTED DENTURE BASED RESIN FABRICATED ON DIFFERENT 3D PRINTERS

POSTGRADUATE RESEARCH SYMPOSIUM FACULTY OF DENTISTRY 2022

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 23. KEPERLUAN SAINS DALAM TEKNOLOGI SEMASA COVID-19-INDUSTRI 4.0: (PERCETAKAN 3 DIMENSI)

NORMA BAHARU: USAHA SAINS MEMAHAMI KEPERLUAN MASYARAKAT

2022 CHAPTER IN BOOK CO-AUTHOR

## 24. AN EVALUATION ON DEEP CARIES REMOVAL METHOD AND MANAGEMENT PERFORMED BY UNDERGRADUATE DENTAL STUDENTS: A MALAYSIA EXPERIENCE

EUROPEAN JOURNAL OF DENTISTRY

2021 JOURNAL SCOPUS CORRESPONDING AUTHOR

## 25. SHORT DENTAL IMPLANTS ON REHABILITATION OF ATROPHIC MAXILLARY RIDGE UTILIZING DIGITAL PLANNING

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY

2021 JOURNAL MYCITE MAIN AUTHOR / CONTACT PERSON IN USIM

## 26. A CONTEMPORARY EVALUATION ON POSTERIOR DIRECT RESTORATION TEACHING AMONG UNDERGRADUATES IN DENTAL SCHOOLS IN MALAYSIA

DENTISTRY JOURNAL, MDPI

2021 JOURNAL SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

# PUBLICATION

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## 27. COMPLIANCE OF DENTAL STAFF AND STUDENTS TO DENTAL GUIDELINE AMIDST THE COVID-19 PANDEMIC: AN INSTITUTIONAL ANALYSIS

ULUM ISLAMIYAH JOURNAL

2021 JOURNAL ERA CO-AUTHOR

## 28. HALAL FORENSICS ISSUES INVOLVING THREE-DIMENSIONAL (3D) PRINTING TECHNOLOGY OF CULTURED MEAT

HALAL REVIEWS

2021 JOURNAL OTHER DATABASE CO-AUTHOR

## 29. DENTISTRY AND DIGITAL REVOLUTION

ENCYCLOPEDIA

2021 JOURNAL OTHER DATABASE MAIN AUTHOR / CONTACT PERSON IN USIM

## 30. ANTIMICROBIAL PROPERTIES OF CONCENTRATED GROWTH FACTOR (CGF) AGAINST BACTERIA INDUCED ORAL DISEASES

CONS EURO 2021

2021 PROCEEDING NON-INDEX MAIN AUTHOR

## 31. ISSUES INVOLVING HALAL FORENSICS IN THREE-DIMENSIONAL (3D) PRINTING TECHNOLOGY OF CULTURED MEAT

SEMINAR WAHYU ASAS TAMADUN PERINGKAT ANTARABANGSA KALI KE-7 (SWAT 2021)

2021 PROCEEDING NON-INDEX CO-AUTHOR

## 32. ANTIMICROBIAL EFFECTS OF CONCENTRATED GROWTH FACTOR (CGF) AGAINST ORAL DISEASES-INDUCED MICROORGANISMS

NATIONAL DENTAL STUDENT SCIENTIFIC CONFERENCE 2021

2021 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 33. A CONTEMPORARY EVALUATION ON POSTERIOR DIRECT RESTORATION TEACHING AMONG UNDERGRADUATES IN DENTAL SCHOOLS IN MALAYSIA

DENTAL EDUCATION

2021 CHAPTER IN BOOK MAIN AUTHOR

## 34. MANAGEMENT OF MEMBRANE EXPOSURE UTILIZING CONCENTRATED GROWTH FACTOR (CFG) IN GUIDED BONE REGENERATION: A CLINICAL REPORT

THE OPEN DENTISTRY JOURNAL

2020 JOURNAL ERA MAIN AUTHOR / CONTACT PERSON IN USIM

## 35. THE EFFECTIVENESS OF NON-DOMINANT HAND IN PERFORMING ORAL HYGIENE CARE

MALAYSIAN JOURNAL OF MEDICINE AND HEALTH SCIENCES

2020 JOURNAL SCOPUS CO-AUTHOR

## 36. AN EVALUATION ON FULL COVERAGE CROWN PREPARATION: AN INSTITUTIONAL ANALYSIS

JOURNAL OF CLINICAL AND DIAGNOSTIC RESEARCH

2020 JOURNAL INDEXED BY WOS MAIN AUTHOR

## 37. A CONSOLIDATED THERAPY UTILISING CONCENTRATED GROWTH FACTOR (CGF) IN MEMBRANE EXPOSURE INCIDENT: A 12 MONTHS CLINICAL, RADIOGRAPHICAL AND DIGITAL ANALYSIS

3RD INTERNATIONAL SYMPOSIUM OF SOFT TISSUE MANAGEMENT AROUND TEETH AND IMPLANTS

2020 PROCEEDING NON-INDEX MAIN AUTHOR

## 38. DIGITALISATION IN DENTISTRY: THE MODERN TRANSFORMATION IN ORAL HEALTH CARE

INSLA 2020

2020 PROCEEDING NON-INDEX MAIN AUTHOR

## 39. 3D-PRINTED HALAL MEAT: DO WE NEED A NEW REGULATORY FRAMEWORK?

INSLA 2020

2020 PROCEEDING NON-INDEX CO-AUTHOR

# PUBLICATION

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## 40. EVALUATION OF DEEP CARIES REMOVAL METHOD IN UNDERGRADUATE DENTAL STUDENT IN MALAYSIA

IADR MALAYSIA SECTION 2020

2020 PROCEEDING NON-INDEX CO-AUTHOR

## 41. MULUT DAN GIGI: KELEBIHAN DAN PERMASALAHAN

2020 BOOK CO-AUTHOR

## 42. LEARNING STYLE OF USIM UNDERGRADUATE DENTAL STUDENTS

INTERNATIONAL JOURNAL OF EDUCATION, PSYCHOLOGY AND COUNSELING

2019 JOURNAL MYCITE CO-AUTHOR

## 43. A REVIEW OF POLYMER CROWN: BIOMECHANICAL AND MATERIAL SCIENCE

JOURNAL OF CLINICAL AND DIAGNOSTIC RESEARCH

2019 JOURNAL INDEXED BY WOS MAIN AUTHOR

## 44. A PRELIMINARY INVESTIGATION OF A NOVEL CAD-CAM POLYMER CROWN

RESTORATIVE DENTISTRY & ENDODONTICS

2019 JOURNAL OTHER DATABASE MAIN AUTHOR

## 45. CLINICAL PERFORMANCE OF GLASS IONOMER IN CLASS V RESTORATIONS: ONE YEAR FOLLOW UP OF PILOT STUDY

MALAYSIAN JOURNAL OF SCIENCE HEALTH AND TECHNOLOGY

2019 JOURNAL OTHER DATABASE MAIN AUTHOR

## 46. UTILISATION OF CGF AS REGENERATIVE SURGICAL BIOMATERIAL

HARI PENYELIDIKAN PERINGKAT NEGERI SELANGOR KE - 8

2019 PROCEEDING NON-INDEX MAIN AUTHOR

## 47. A PRELIMINARY INVESTIGATION ON NOVEL CAD-CAM POLYMER CROWN

CONS ASIA 2019

2019 PROCEEDING NON-INDEX MAIN AUTHOR

## 48. AN EVALUATION OF FULL COVERAGE POLYMER CROWN

JOINT DENTAL SPECIALIST CONFERENCE

2018 PROCEEDING NON-INDEX MAIN AUTHOR

## 49. AN EVALUATION OF FULL COVERAGE CROWN PREPARATION: A CROSS SECTIONAL STUDY

5TH DENTAL STUDENTS COLLOQUIUM

2018 PROCEEDING NON-INDEX CO-AUTHOR

# AWARDS/RECOGNITION

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## 1. INNOVATIVE 3D-PRINTED CROWNS INFUSED WITH CHITOSAN AND SILICON DIOXIDE NANOPARTICLES: EVALUATION OF MECHANICAL STRENGTH AND BIOCOMPATIBILITY

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA GOLD

## 2. INFLUENCE OF DIFFERENT POLISHING SYSTEMS ON SURFACE ROUGHNESS OF BULK FILL RESIN-BASED COMPOSITES

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI BRONZE

## 3. AN EVALUATION OF CYTOTOXIC ACTIVITIES OF POLYETHERIMIDE REINFORCED ON 3D PRINTED DENTURE BASE

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

## 4. ANTIMICROBIAL PROPERTIES OF POLYETHERIMIDE (PEI) REINFORCED ON 3D PRINTED DENTURE BASE: A PRELIMINARY INVESTIGATION

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

## 5. BIOCAST

34th INTERNATIONAL INVENTION & TECHNOLOGY EXHIBITION MALAYSIA (ITEX2023)

2023 ANTARABANGSA GOLD

## 6. A PRELIMINARY INVESTIGATION ON NOVEL THREE DIMENSIONAL PRINTED HYBRID DENTURE BASE POLYMER

2nd General Meeting of Asian-Oceanian Federation of Conservative Dentistry 2023 (ConsAsia 2023)

2023 ANTARABANGSA GOLD

## 7. A PRELIMINARY INVESTIGATIONS ON THE MECHANICAL AND BIOLOGICAL PROPERTIES OF PMMA INCORPORATED WITH MICROPARTICLES ZIRCONIA WASTE ON 3D-PRINTED DENTURE BASE

15th National Dental Student Scientific Conference 2023

2023 KEBANGSAAN GOLD

## 8. INVESTIGATIONS ON THE SURFACE COATING EFFECT OF NIGELLA SATIVA ON CONVENTIONAL AND 3-DIMENSIONAL (3D) PRINTED DENTURE BASE

INNOVATION BANK CHALLENGE 2023 (IBC2023)

2023 UNIVERSITI BRONZE

## 9. TIDAK DINYATAKAN

7th Joint Scientific Meeting in Dentistry (JSMID)

2023 ANTARABANGSA GOLD

## 10. TIDAK DINYATAKAN

THE 9TH DENTAL STUDENTS' COLLOQUIUM FACULTY OF DENTISTRY

2023 UNIVERSITI GOLD

## 11. PENYELIDIK DENGAN NILAI GERAN TERTINGGI (KESELURUHAN)

2022 UNIVERSITY

## 12. PENYELIDIK DENGAN NILAI GERAN TERTINGGI (LUAR SELAIN KPT)

2022 UNIVERSITY

## 13. WRITER OF THE MONTH FEBRUARY 2022

2022 UNIVERSITY

## 14. WRITER OF THE MONTH FEBRUARY 2022

2022 UNIVERSITY

# AWARDS/RECOGNITION

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## 15. CHARACTERIZATION OF HIGH-PERFORMANCE POLYMER, POLYETHERKETONEKETONE (PEKK) REINFORCED ON THREE-DIMENSIONAL (3D) PRINTED REMOVABLE DENTURE BASE

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITY GOLD

## 16. ANTIFUNGAL ACTIVITY OF FIG VINEGAR AGAINST THE ADHERENCE OF CANDIDA ALBICANS ON DENTURE BASES

PHARM - IIDEx 2022 Dream.Create.Inspire

2022 KEBANGSAAN GOLD

## 17. MECHANICAL AND SURFACE CHARACTERISATION OF 3D PRINTED DENTURE BASED RESIN FABRICATED ON DIFFERENT 3D PRINTERS

INVENTION, INNOVATION & DESIGN EXPOSITION 2022 (IIDEX)

2022 KEBANGSAAN GOLD

## 18. WRITER OF THE MONTH JANUARY 2021

2021 UNIVERSITY

## 19. WRITER OF THE MONTH DECEMBER 2020

2020 UNIVERSITY

## 20. ANUGERAH PERKHIDMATAN CEMERLANG 2019

2020 UNIVERSITY

## 21. WRITER OF THE MONTH OCTOBER 2019

2019 UNIVERSITY

## 22. A PRELIMINARY INVESTIGATION OF A NOVEL CAD-CAM POLYMER CROWN

ConsASIA2019 (THE ASIAN-OCEANIAN FEDERATION OF CONSERVATIVE DENTISTRY (AOFCD))

2019 ANTARABANGSA

## 23. ANUGERAH GOT

2018 UNIVERSITY

## 24. DENTAL SPECIALITIES : TOGETHER TOWARDS A SUCCESSFUL TOMORROW

JOINT SPECIALIST CONFERENCE 2018

2018 KEBANGSAAN BRONZE