

PROF. MADYA TS. DR. ROHAZILA BINTI MOHAMAD HANAFIAH

PENSYARAH UNIVERSITI DS14

CONTACT

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FACULTY
Fakulti Pergigian

SUPERVISION

	COMPLETED	ONGOING
PhD	1	2
Master	5	3

AREAS OF EXPERTISE

- Natural Product Research
- Molecular Microbiology
- Clinical Microbiology (including Antimicrobial Resistance)

ACADEMIC QUALIFICATION

- 2015 **PhD** - Mikrobiologi
- 2008 **Master** - Mikrobiologi
- 2005 **Bachelor** - Mikrobiologi

RESEARCH

1. **DECIPHERING THE RELATIONSHIP BETWEEN ORAL PATHOGEN BURDEN AND COGNITIVE FUNCTION IN YOUNG MALAYSIAN ADULTS: A PILOT STUDY**
   2026 | GERAN PENYELIDIKAN FUNDAMENTAL | ON GOING | CO-RESEARCHER

2. **PROSTHODONTICS MATERIALS**
   2025 | GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) | ON GOING | CO-RESEARCHER

3. **ELUCIDATION OF IN VITRO CYTOTOXIC EFFECT OF SILVER NANOPARTICLES-KAEMPFEROL (AGNP-K) AGAINST HSC4 CELL LINE**
   2025 | GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) | ON GOING | CO-RESEARCHER

4. **EVALUATION OF CYTOTOXICITY IMPACTS OF METHYLENE BLUE (MB) - MEDIATED ANTIMICROBIAL PHOTODYNAMIC THERAPY (APDT) ON HUMAN DENTAL PULP STEM CELLS AND ENTEROCOCCUS FAECALIS**
   2024 | GERAN KPT | ON GOING | CO-RESEARCHER

5. **EVALUATION OF MECHANISM CYTOTOXICITY OF SILVER NANOPARTICLES-KAEMPFEROL TOWARDS ORAL SQUAMOUS CELL CARCINOMA CELL LINES**
   2024 | GERAN KPT | ON GOING | CO-RESEARCHER

RESEARCH

6. ELUCIDATING THE ROLE OF SALIVARY PROTEINS AND MICROBIOME IN PRIMARY TEETH FROM CARIES-ACTIVE CHILDREN TREATED WITH DENTAL RESTORATION

2024 | GERAN KPT | ON GOING | CO-RESEARCHER

7. EVALUATION OF ANTIBACTERIAL AND PERIODONTAL REGENERATION ACTIVITIES OF BENZYL ISOTHIOCYANATE (BITC) FROM SALVADORA PERSICA (SP) IN CHITOSAN HYDROGEL

2024 | GERAN KPT | ON GOING | CO-RESEARCHER

8. MECHANISM UNDERLYING WOUND HEALING ACTIVITY OF TUALANG HONEY-SAGO/PVA HYDROGELS.

2024 | GERAN KPT | ON GOING | CO-RESEARCHER

9. ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLE INCORPORATED WITH KAEMPFEROL (AGNP-K) AGAINST SELECTED BACTERIA

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

10. UNRAVELING MECHANISM OF ANTI-TUMOR AND SUB-ACUTE TOXICITY ACTIVITY OF SILVER NANOPARTICLES INCORPORATE WITH FLAVONOID-RICH-STROBILANTHES CRISPUS LEAVES AGAINST BREAST TUMOR MODEL IN VIVO.

2021 | GERAN KPT | ON GOING | CO-RESEARCHER

11. IDENTIFYING MICROBIOME OF PRIMARY ENDODONTIC INFECTIONS IN MALAYSIAN PATIENTS ATTENDING USIM DENTAL CLINIC USING 16S RRNA NEXT GENERATION SEQUENCING

2020 | GERAN PENYELIDIKAN USIM RACER | COMPLETED | CO-RESEARCHER

12. CHARACTERIZATION AND MECHANISM OF ACTION OF SILVER NANOPARTICLES-KAEMPFEROL IN ENHANCING ANTIBACTERIAL ACTIVITY AGAINST METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA).

2020 | GERAN KPT | COMPLETED | MAIN RESEARCHER

13. MOLECULAR CHARACTERIZATION OF PROBIOTIC INHIBITION PROPERTIES AGAINST PORPHYROMONAS GINGIVALIS

2019 | GERAN KPT | COMPLETED | CO-RESEARCHER

14. STATUS OF PERIODONTAL HEALTH AND SUBGINGIVAL MICROFLORA BETWEEN SIWAK USERS AND TOOTHBRUSH USERS

2019 | GERAN PENYELIDIKAN KHAS | COMPLETED | CO-RESEARCHER

15. ANTIBACTERIAL ACTIVITIES OF SPILANTHOL AGAINST ORAL BIOFILM BACTERIA AND ITS CAPACITY ON MODULATORY GENE EXPRESSION.

2019 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

16. CHARACTERIZATION AND MOLECULAR MECHANISM OF SILVER NANOPARTICLE-?-SITOSTEROLS IN ENHANCING ANTIPROLIFERATIVE EFFECTS AGAINST ORAL CANCER CELL LINES FOR CANCER THERAPY.

2017 | GERAN KPT | COMPLETED | CO-RESEARCHER

17. IDENTIFICATION OF THE PREDOMINANT INFECTIOUS ORAL MICROBIOME AND ITS VIRULENCE FACTORS IN PERICORONITIS

2016 | GERAN KPT | COMPLETED | CO-RESEARCHER

RESEARCH

18. DEVELOPMENT OF PROBIOTICS FOR CARRIES PREVENTION

2016 | GERAN PENYELIDIKAN TRANSLASIONAL | COMPLETED | CO-RESEARCHER

19. ANTIMICROBIAL ACTIVITY OF ALOE VERA EXTRACT ION IN IRREVERSIBLE HYDROCOLLOID IMPRESSION MATERIAL:AN IN VITRO STUDY

2016 | GERAN PENYELIDIKAN TRANSLASIONAL | COMPLETED | CO-RESEARCHER

20. TRANSCRIPTOMIC ANALYSIS STREPTOCOCCUS MUTANS TREATED WITH MELASTOMA MALABATHRICUM STEM BARK EXTRACT(MMSBAE)

2016 | GERAN JANGKA PENDEK FASA 1 | COMPLETED | MAIN RESEARCHER

21. EVALUATION OF ANTIBACTERIAL ACTIVITIES AGAINST ORAL PATHOGENS FROM PHYLLANTHUS COLUMNARIS STEM BARK TANNINS AND IDENTIFICATION OF BIOACTIVE COMPOUNDS

2015 | GERAN PENYELIDIKAN JANGKA PENDEK | COMPLETED | CO-RESEARCHER

22. ANTIBACTERIAL PROPERTIES OF HOLOTHURIDEA ATRA(SEA CUCUMBER) EXTRACTS AGAINST STREPTOCOCCUS MUTANS IN DENTAL CARIES FORMATION

2015 | GERAN PENYELIDIKAN JANGKA PENDEK | COMPLETED | CO-RESEARCHER

23. ANTI-BIOFILM AND ANTI-ADHERENCE ACTIVITIES OF MELASTOMATA MALABAYRICHUM AXTRACTS AGAINTS STREPTOCOCCUS MUTANTS

2013 | GERAN PENYELIDIKAN JANGKA PENDEK | COMPLETED | CO-RESEARCHER

24. ISOLATION AND SEROTYPING OF STREPTOCOCCUS MUTANS FROM TEETH OF DENTAL STUDENTS

2011 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | CO-RESEARCHER

25. ANTIMICROBIAL ACTIVITY OF PIPER SARMENTOSIUM (KADOK) EXTRACTS AGAINST ORAL BACTERIA

2009 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. BIOLOGICAL ACTIVE METABOLITE COMPOUNDS FOR ANTIBACTERIAL AGENT FROM EXTREMOPHILE MICROALGAE

JORDAN JOURNAL OF BIOLOGICAL SCIENCES

2025 | JOURNAL | INDEXED BY SCOPUS | CO-AUTHOR

2. AGNP-K SMART CREAM: A NEXT-GENERATION ANTIMICROBIAL SKINCARE SOLUTION

SWISS INNOVATION CHALLENGE

2025 | PROCEEDING | NON-INDEX | MAIN AUTHOR

3. GREEN NANOMEDICINE: STROBILANTHES CRISPUS-MEDIATED SILVER NANOPARTICLES AS A TARGETED BREAST CANCER TREATMENT

SWISS INNOVATION CHALLENGE

2025 | PROCEEDING | NON-INDEX | CO-AUTHOR

PUBLICATION

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

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

2025 PROCEEDING NON-INDEX CHIEF EDITOR

5. ANTI-PROLIFERATIVE ACTIVITY OF STROBILANTHES CRISPUS GREEN SYNTHESIZED WITH SILVER NANOPARTICLES AGAINST CT26 COLON CARCINOMA CELLS

4TH IDENT USIM

2025 PROCEEDING MYCITE MAIN AUTHOR

6. ANTI-CANCER ACTIVITY OF GREEN-SYNTHESIZED SILVER NANOPARTICLES WITH STROBILANTHES CRISPUS ON CT26 COLON CARCINOMA CELLS

8TH INTERNATIONAL CONFERENCE ON MOLECULAR BIOLOGY AND BIOTECHNOLOGY 2025

2025 PROCEEDING SCOPUS MAIN AUTHOR

7. AN INNOVATIVE TEST KIT TO PREDICT CHILDHOOD CARIES

INNOVATION BANK CHALLENGE (IBC) 2025

2025 PROCEEDING OTHER DATABASE CO-AUTHOR

8. TOXICOLOGICAL EVALUATION OF STROBILANTHES CRISPUS MEDIATED SILVER NANOPARTICLES (SC-AGNPS) ON MALE AND FEMALE BALB/C MICE

4TH IDENT

2025 PROCEEDING MYCITE CO-AUTHOR

9. EVALUATION OF ?-SITOSTEROL MEDIATED SILVER NANOPARTICLE AND ITS CYTOTOXICITY AGAINST VARIOUS CANCER CELL LINES

8TH INTERNATIONAL CONFERENCE ON MOLECULAR BIOLOGY AND BIOTECHNOLOGY (ICMBB) 2025

2025 PROCEEDING SCOPUS CORRESPONDING AUTHOR

10. ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES INCORPORATED WITH KAEMPFEROL (AGNP-K) AGAINST SELECTED BACTERIA

11TH DENTAL STUDENTS' COLLOQUIUM

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

11. TOXICOLOGICAL EVALUATION OF STROBILANTHES CRISPUS MEDIATED SILVER NANOPARTICLES (SC-AGNPS) ON MALE AND FEMALE BALB/C MICE

4TH INTERNATIONAL DENTAL CONFERENCE (I-DENT) 2025

2025 PROCEEDING MYCITE CO-AUTHOR

12. CRITICAL EVALUATION OF GREEN SYNTHESIZED SILVER NANOPARTICLES-KAEMPFEROL FOR ANTIBACTERIAL ACTIVITY AGAINST METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS

INTERNATIONAL JOURNAL OF NANOMEDICINE

2024 JOURNAL ISI, SCOPUS AND ERA CO-AUTHOR

PUBLICATION

13. ANTIBACTERIAL ACTIVITY OF CALCIUM HYDROXIDE AND ZINC OXIDE COMBINED WITH SEVERAL SOLUTIONS AGAINST ENTEROCOCCUS FAECALIS GROWTH

EUROPEAN JOURNAL OF GENERAL DENTISTRY

2024 JOURNAL SCOPUS CORRESPONDING AUTHOR

14. PERIODONTAL HEALTH AND MICROBIOLOGICAL CHARACTERISTICS OF SIWAK (CHEWING STICK) AND TOOTHBRUSH USERS: A CROSS-SECTIONAL STUDY

EUROPEAN JOURNAL OF GENERAL DENTISTRY

2024 JOURNAL SCOPUS CO-AUTHOR

15. INHIBITION MECHANISM OF SILVER NANOPARTICLE-KAEMPFEROL AGAINST METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS

ARABIAN JOURNAL OF CHEMISTRY

2024 JOURNAL ISI CORRESPONDING AUTHOR

16. SUB-ACUTE TOXICITY PROFILE OF SILVER NANOPARTICLE STROBILANTHES CRISPUS (AGNP-SC) AGAINST MALE AND FEMALE BALB/C MICE

INTERNATIONAL APPLIED BIOLOGY CONFERENCE 2024

2024 PROCEEDING OTHER DATABASE CO-AUTHOR

17. ANTI PROLIFERATIVE ACTIVITY OF SILVER NANOPARTICLES GREEN SYNTHESIZED WITH STROBILANTHES CRISPUS AGAINST COLON CANCER CELL LINES

INTERNATIONAL APPLIED BIOLOGY CONFERENCE 2024

2024 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

18. GENE REGULATION VALIDATION SARA, GYRB AND MFD IN MRSA AFTER EXPOSED WITH AGNPK

10TH KOLOKIUM USIM

2024 PROCEEDING NON-INDEX CO-AUTHOR

19. TRANSCRIPTOMIC ANALYSIS OF METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS TREATED WITH SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K)

BOTANIC GARDENS SYMPOSIUM 2024 (BGS2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

20. GREEN SYNTHESIS, CHARACTERISATION AND ANTIBACTERIAL ACTIVITIES OF STROBILANTHES CRISPUS-MEDIATED SILVER NANOPARTICLES (SC-AGNPS) AGAINST SELECTED BACTERIA

ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY

2023 JOURNAL ISI MAIN AUTHOR

21. INTERNATIONAL CONFERENCE ON PHARMACEUTICAL SCIENCES 2023

INTERNATIONAL CONFERENCE ON PHARMACEUTICAL SCIENCES 2023

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

22. CHARACTERIZATION OF SILVER NANOPARTICLE-?-SITOSTEROLS AND ITS CYTOTOXICITY AGAINST VARIOUS CANCER CELL LINES

THE 8TH INTERNATIONAL BIOTECHNOLOGY SYMPOSIUM

2023 PROCEEDING NON-INDEX CO-AUTHOR

PUBLICATION

23. GENE EXPRESSION ANALYSIS OF METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS TREATED WITH SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K)

6TH INTERNATIONAL CONFERENCE ON MOLECULAR BIOLOGY AND BIOTECHNOLOGY 2023 (ICMBB2023)

2023 PROCEEDING NON-INDEX MAIN AUTHOR

24. TRANSCRIPTOMIC ANALYSIS OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS TREATED WITH SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K)

8TH INTERNATIONAL BIOTECHNOLOGY SYMPOSIUM

2023 PROCEEDING NON-INDEX MAIN AUTHOR

25. GIGI CERITA MENIMBA ILMU

2023 BOOK

26. ANTIHYPERCHOLESTEROLEMIC AND ANTIHYPERGLYCEMIC ACTIVITY OF NIGELLA SATIVA

BIOCHEMISTRY, NUTRITION, AND THERAPEUTICS OF BLACK CUMIN SEED

2023 CHAPTER IN BOOK CO-AUTHOR

27. ANTIBACTERIAL, ANTIMICROBIAL, AND ANTIMALARIAL EFFECT OF BLACK SEED OIL

BIOCHEMISTRY, NUTRITION, AND THERAPEUTICS OF BLACK CUMIN SEED

2023 CHAPTER IN BOOK MAIN AUTHOR

28. THE EFFECTIVENESS OF MISWAK (SALVADORA PERSICA L. AND AZADIRACHTA INDICA A.JUSS.) PRACTICES IN REDUCING PLAQUE AND GINGIVITIS AMONG ADULTS: A SYSTEMATIC REVIEW AND META-ANALYSIS

JOURNAL OF ETHNOPHARMACOLOGY

2022 JOURNAL ISI, SCOPUS AND ERA CO-AUTHOR

29. TRANSCRIPTOMIC PROFILE ANALYSIS OF STREPTOCOCCUS MUTANS RESPONSE TO ACMELLA PANICULATA FLOWER EXTRACTS

EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE

2022 JOURNAL ISI, SCOPUS, EBSCO CORRESPONDING AUTHOR

30. ANTIBACTERIAL ACTIVITY OF BIOACTIVE COMPOUND IN SALVADORA PERSICA (CHEWING STICK) AGAINST PORPHYROMONAS GINGIVALIS AND AGGREGATIBACTER ACTINOMYCETEMCOMITANS

ASM SCIENCE JOURNAL

2022 JOURNAL SCOPUS CORRESPONDING AUTHOR

31. GREEN SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K) AGAINST METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA)

MINGGU PENYELIDIKAN DAN INOVASI

2022 PROCEEDING NON-INDEX MAIN AUTHOR

32. PRELIMINARY SCREENING OF ANTIMICROBIAL SUBSTANCES FROM PROBIOTICS WITH INHIBITORY PROPERTIES AGAINST PORPHYROMONAS GINGIVALIS

POSTGRADE SYMPOSIUM 2022

2022 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

33. ANTIBACTERIAL ACTIVITIES OF AGNP-KAEMPFEROL TOWARDS MRSA

PHARM-IIDEX 2022

2022 PROCEEDING NON-INDEX MAIN AUTHOR

34. ACMELLA PANICULATA EXTRACT AS ANTIMICROBIAL AGENT AGAINST STREPTOCOCCUS MUTANS

POSTGRADE SYMPOSIUM 2022

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

35. ANTIBACTERIAL ACTIVITY OF SALVADORA PERSICA AGAINST PORPHYROMONAS GINGIVALIS AND STREPTOCOCCUS MUTANS

POSTGRADE RESEARCH SYMPOSIUM 2022

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

36. SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K) AGAINST METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA)

POSTGRADE RESEARCH SYMPOSIUM 2022

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

37. ANTIBACTERIAL ACTIVITY OF SALVADORA PERSICA EXTRACTS AGAINST ORAL BACTERIA ISOLATED FROM CLINICAL STRAINS

INTERNATIONAL APPLIED BIOLOGY CONFERENCE (IABC2022)

2022 PROCEEDING NON-INDEX CO-AUTHOR

38. GREEN SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K) AGAINST METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA)

INTERNATIONAL APPLIED BIOLOGY CONFERENCE 2022 (IABC 2022)

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

39. SYNTHESIS, CHARACTERIZATION AND CYTOTOXICITY OF SILVER NANOPARTICLES- STROBILANTHES CRISPUS (AGNPS-SC) AGAINST BREAST CANCER CELL LINE (MCF-7)

POSTGRADUATE RESEARCH SYMPOSIUM 2022

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

40. ANTIMICROBIAL ACTIVITIES OF STROBILANTHES CRISPUS SILVER NANOPARTICLES (AGNP-SC) AGAINST CLINICALLY ISOLATED ESCHERICHIA COLI O157:H7

POSTGRADUATE RESEARCH SYMPOSIUM 2022

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

41. ANTIMICROBIAL ACTIVITIES OF STROBILANTHES CRISPUS SILVER NANOPARTICLES (AGNPSC) AGAINST PSEUDOMONAS AERUGINOSA

INTERNATIONAL APPLIED BIOLOGY 2022 (IABC 2022)

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

42. DENTAL GUIDELINE DURING COVID-19

2022 BOOK

PUBLICATION

43. IMPACT OF COVID-19 PANDEMIC ON DENTAL EDUCATION: EXPERIENCE SHARING FROM A MALAYSIAN PUBLIC UNIVERSITY

ULUM ISLAMIYYAH -THE MALAYSIAN JOURNAL OF ISLAMIC SCIENCES - SPECIAL ISSUE: HEALTHCARE IN PANDEMIC ERA: "THE NEW NORM"

2021 JOURNAL MYCITE CO-AUTHOR

44. IDENTIFICATION OF BACTERIA SAMPLE PLAQUE FROM PERIODONTAL DISEASE AMONG DIABETIC PATIENTS

INTERNATIONAL JOURNAL OF PHRAMACEUTICAL SCIENCE AND RESEARCH

2021 JOURNAL ISI CORRESPONDING AUTHOR

45. MISWAK STARCH-BASED GEL AS TOPICAL PREPARATION FOR POTENTIAL MANAGEMENT OF INFECTIVE ULCERATION

INTERNATIONAL JOURNAL OF RESEARCH IN PHARMACEUTICAL SCIENCES

2021 JOURNAL SCOPUS CO-AUTHOR

46. ANTIBACTERIAL ACTIVITIES OF SIWAK AGAINST ORAL BACTERIA

ASIAN SYMPOSIUM ON MEDICINAL PLANTS AND SPICES XVII (2021) ? VIRTUAL CONFERENCE

2021 PROCEEDING NON-INDEX MAIN AUTHOR

47. ANTIBACTERIAL ACTIVITY OF SALVADORA PERSICA AGAINST PORPHYROMONAS GINGIVALIS AND STREPTOCOCCUS MUTANS

INTERNATIONAL CONFERENCE ON DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

2021 PROCEEDING NON-INDEX CO-AUTHOR

48. ANTIBACTERIAL ACTIVITY OF SALVADORA PERSICA AGAINST PORPHYROMONAS GINGIVALIS AND STREPTOCOCCUS MUTANS

INTERNATIONAL CONFERENCE ON DRUG DISCOVERY AND TRANSLATIONAL MEDICINE 2021 (ICDDTM?21)

2021 PROCEEDING NON-INDEX CO-AUTHOR

49. IDENTIFICATION OF SUBGINGIVAL PLAQUE BACTERIA IN PERIODONTITIS PATIENT WITH DIABETES MELLITUS USING 16SRNA METHOD

13TH NDSSC 2021

2021 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

50. A PHYTOCHEMICAL OF ACMELLA PANICULATA FLOWER EXTRACTS AND ITS TIME KILL ASSAY ANALYSIS AGAINST STREPTOCOCCUS MUTANS

MALAYSIAN PHYTOTHERAPY & PHYTOCOSMETICS VIRTUAL SYMPOSIUM (MPPVS 2021)

2021 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

51. ANTIBACTERIAL AND ANTIBIOFILM ANALYSES OF MELASTOMA MALABATHRICUM LEAVES EXTRACT AGAINST STREPTOCOCCUS MUTANS ON TOOTH SURFACES

MALAYSIAN JOURNAL OF MICROBIOLOGY

2020 JOURNAL ISI AND SCOPUS MAIN AUTHOR

52. ANTIBACTERIAL ACTIVITY OF ACMELLA PANICULATA EXTRACTS AGAINST STREPTOCOCCUS MUTANS

INTERNATIONAL JOURNAL OF RESEARCH IN PHARMACEUTICAL SCIENCES

2020 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

53. ISOLATION AND ANTIMICROBIAL ACTIVITY OF LACTIC ACID BACTERIA AGAINST STREPTOCOCCUS MUTANS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2020 JOURNAL SCOPUS CO-AUTHOR

54. ANTIBACTERIAL ACTIVITY OF SPILANTHOL AGAINST ORAL BACTERIA

3RD ICOMOI & 13TH POSTGRADUATE E- CONFERENCE

2020 PROCEEDING NON-INDEX MAIN AUTHOR

55. ACMELLA PANICULATA EXTRACT AS ANTIMICROBIAL AGENT AGAINST STREPTOCOCCUS MUTANS

3RD ICOMOI & 13TH POSTGRADUATE E- CONFERENCE

2020 PROCEEDING NON-INDEX CO-AUTHOR

56. IDENTIFICATION OF BACTERIA SAMPLE PLAQUE FROM PERIODONTAL DISEASE AMONG DIABETIC PATIENTS

31ST SEAADE & 34TH IADR-SEA SCIENTIFIC MEETING THAILAND 2020

2020 PROCEEDING NON-INDEX CO-AUTHOR

57. SENDUDUK PERENCAT BAKTERIA MULUT

2020 BOOK MAIN AUTHOR

58. A SIMPLIFIED SYSTEM FOR SIMULATION OF STREPTOCOCCUS MUTANS BIOFILM ON HEALTHY EXTRACTED HUMAN TOOTH AS DENTAL PLAQUE MODEL

JOURNAL OF APPLIED PHARMACEUTICAL SCIENCE

2019 JOURNAL SCOPUS CO-AUTHOR

59. LEVEL OF SALIVARY MICROORGANISMS AFTER CONSUMPTION OF MALAYSIAN TUALANG HONEY: A PRELIMINARY STUDY

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS CO-AUTHOR

60. IN-VITRO INHIBITORY EFFECT OF CINNAMOMUM ZEYLANICUM AND EUGENIA CARYOPHYLLATA OILS ON MULTISPECIES ANAEROBIC ORAL BIOFILM

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS CO-AUTHOR

61. CHEMICAL COMPOSITION AND IN VITRO ANTIMICROBIAL PROPERTIES OF PHYLLANTHUS COLUMNARIS STEM BARK TANNINS AGAINST ORAL PATHOGENS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS CO-AUTHOR

62. ANTIBACTERIAL PROPERTIES OF CLINACANTHUS NUTANS EXTRACTS AGAINST PORPHYROMONAS GINGIVALIS AND AGGREGATIBACTER ACTINOMYCETEMCOMITANS: AN IN-VITRO STUDY

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

63. ANTIBACTERIAL ACTIVITIES OF GREEN SILVER NANOPARTICLES-STROBILANTHES CRISPUS (AGNP-SC) AGAINST CLINICALLY IMPORTANT BACTERIA

2ND INTERNATIONAL CONFERENCE ON ORAL MICROBIOLOGY AND ORAL IMMUNOLOGY

2019 PROCEEDING NON-INDEX MAIN AUTHOR

64. GREEN SILVER NANOPARTICLES STROBILANTHES CRISPUS INHIBITS GRAM NEGATIVE BACTERIA

NANOTECHNOLOGY IN FORESTRY & NATURAL RESOURCES SEMINAR 2019

2019 PROCEEDING NON-INDEX MAIN AUTHOR

65. ANTIBACTERIAL EFFECTS OF SPILANTHES ACMELLA LEAVES EXTRACTS (SALE) AGAINST STREPTOCOCCUS MUTANS.

INTERNATIONAL ASSOCIATION DENTAL RESEARCH

2019 PROCEEDING NON-INDEX CO-AUTHOR

66. ANTIBACTERIAL EFFECTS OF SPILANTHES ACMELLA LEAVES EXTRACTS (SALE) AGAINST STREPTOCOCCUS MUTANS.

INTERNATIONAL ASSOCIATION DENTAL RESEARCH

2019 PROCEEDING NON-INDEX CO-AUTHOR

67. ISOLATION AND ANTIMICROBIAL ACTIVITY OF PROBIOTIC STRAINS FOR CARIES PREVENTION

FRONTIERS IN PHARMACOLOGY

2018 JOURNAL WOS CO-AUTHOR

68. ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES CLINACANTHUS NUTANS (AGNP-CN) AGAINST STREPTOCOCCUS MUTANS

FRONTIERS IN PHARMACOLOGY

2018 JOURNAL WOS CO-AUTHOR

69. ANTI-BIOFILM AND ANTI-ADHERENCE ACTIVITIES OF SPILANTHES ACMELLA LEAVES EXTRACTS TOWARDS STREPTOCOCCUS MUTANS

FRONTIERS IN PHARMACOLOGY

2018 JOURNAL WOS MAIN AUTHOR

70. SILVER NANOPARTICLES CLINACANTHUS NUTANS LEAVES EXTRACT INDUCED APOPTOSIS TOWARDS ORAL SQUAMOUS CELL CARCINOMA CELL LINES

ARTIFICIAL CELLS, NANOMEDICINE, AND BIOTECHNOLOGY

2018 JOURNAL WOS CO-AUTHOR

71. INHIBITION OF STREPTOCOCCUS MUTANS ADHERENCE AND BIOFILM FORMATION ACTIVITIES FROM MELASTOMA MALABATHRICUM SUBFRACTION

INNOVARE JOURNAL OF LIFE SCIENCES, VOL 6, ISSUE 4, 2018, 1-4

2018 JOURNAL SCOPUS MAIN AUTHOR

72. ANTI-BACTERIAL ACTIVITIES OF MELASTOMA MALABATHRICUM STEM BARK FRACTIONS AGAINST STREPTOCOCCUS MUTANS

MJOSHT 2018, VOLUME 1, ISSUE 1

2018 JOURNAL OTHER DATABASE MAIN AUTHOR

PUBLICATION

73. ANTI-BIOFILM AND ANTI-ADHERENCE ACTIVITIES OF SPILANTHES ACMELLA LEAVES EXTRACTS TOWARDS STREPTOCOCCUS MUTANS

INTERNATIONAL CONFERENCE ON DRUG DISCOVERY AND TRANSLATIONAL MEDICINE 2018 (ICDDTM '18)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

74. TRANSCRIPTOMIC ANALYSIS OF STREPTOCOCCUS MUTANS TREATED WITH MELASTOMA MALABATHRICUM STEM BARK ACETONE EXTRACT (MMSBAE).

17TH ANNUAL SCIENTIFIC MEETING MALSEC IADR 2018

2018 PROCEEDING NON-INDEX MAIN AUTHOR

75. ANTIBACTERIAL EFFECT OF SPILANTHES ACMELLA LEAVES EXTRACTS AGAINST STREPTOCCUS MUTANS.

KOLOKIUM FAKULTI PERGIGIAN USIM

2018 PROCEEDING NON-INDEX CO-AUTHOR

76. ISOLATION AND ANTIMICROBIAL ACTIVITY OF PROBIOTIC POTENTIAL STRAINS FOR CARIES PREVENTION

KOLOKIUM FAKULTI PERGIGIAN USIM

2018 PROCEEDING NON-INDEX CO-AUTHOR

77. ANTIMICROBIAL ACTIVITY OF ALOE VERA EXTRACT IN IRREVERSIBLE HYDROCOLLOID IMPRESSION MATERIAL: AN IN VITRO STUDY

CONFERENCE ON MEDICAL AND HEALTH SCIENCES

2018 PROCEEDING NON-INDEX CO-AUTHOR

78. ISOLATION AND ANTIMICROBIAL ACTIVITY OF PROBIOTIC STRAINS FOR CARIES PREVENTION

INTERNATIONAL CONFERENCE ON DRUG DISCOVERY AND TRANSLATIONAL MEDICINE 2018 (ICDDTM '18)

2018 PROCEEDING NON-INDEX CO-AUTHOR

79. THE ANTIFUNGAL EFFECTS OF HONEY FROM KOOMPASSIA EXCELSA AGAINST CANDIDA ALBICANS : AN IN-VITRO STUDY

INTERNATIONAL SYMPOSIUM ON HERBAL MEDICINES 2018 (PRE-CONFERENCE)

2018 PROCEEDING NON-INDEX CO-AUTHOR

80. ANTIBACTERIAL EFFECT OF SILVER NANOPARTICLES CLINACANTHUS NUTANS (AGNP-CN) AGAINST STREPTOCOCCUS MUTANS: AN IN VITRO STUDY.

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2018 PROCEEDING NON-INDEX CO-AUTHOR

81. ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES CLINACANTHUS NUTANS (AGNP-CN) AGAINST STREPTOCOCCUS MUTANS

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2018 PROCEEDING NON-INDEX CO-AUTHOR

82. ANTIMICROBIAL ACTIVITY OF ALOE VERA EXTRACT IN IRREVERSIBLE HYDROCOLLOID IMPRESSION MATERIAL : AN IN VITRO STUDY.

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2018 PROCEEDING NON-INDEX CO-AUTHOR

PUBLICATION

83. ?ANTIBACTERIAL AND ANTIBIOFILM ANALYSIS OF MELASTOMA MALABATHRICUM LEAVES EXTRACT ON TOOTH SURFACES?

MALAYSIAN JOURNAL MICROBIOLOGY

2017 JOURNAL SCOPUS CO-AUTHOR

84. ANTIBACTERIAL EFFECT OF SILVER NANOPARTICLES CLINACANTHUS NUTANS (AGNP-CN) AGAINST STREPTOCOCCUS MUTANS: AN IN VITRO STUDY.

KOLOKIUM FAKULTI PERGIGIAN USIM

2017 PROCEEDING NON-INDEX CO-AUTHOR

85. PHYOTCHEMICALS PROPERTIES OF SALVADORA PERSICA EXTRACTS AND ANTIBACTERIAL ACTIVITIES AGAINST PG AND AA AN-INVITRO STUDY.

9TH NATIONAL DENTAL STUDENT SCIENTIFIC CONFERENCE.

2017 PROCEEDING NON-INDEX CO-AUTHOR

86. MELASTOMA MALABATHRICUM STEM BARK ACETONE EXTRACT (MMSBAE) SUPPRESSED BIOFILM-FORMING GENES IN STREPTOCOCCUS MUTANS: AN APPROACH TO INHIBIT BIOFILMS FORMATION

3RD PABSC 2016 KUALA LUMPUR

2016 PROCEEDING NON-INDEX MAIN AUTHOR

87. ESTABLISHMENT OF DENTAL PLAQUE SIMULATION MODEL OF HEALTHY CONDITION ON EXTRACTED NATURAL TOOTH

3RD DENTAL STUDENTS COLLOQUIUM

2016 PROCEEDING NON-INDEX CO-AUTHOR

88. ANTIBACTERIAL EFFECTS OF STICHOPUS HORRENS (SEA CUCUMBER) AGAINST STREPTOCOCCUS MUTANS

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2016 PROCEEDING NON-INDEX CO-AUTHOR

89. ANTIBACTERIAL EFFECTS OF STICHOPUS HORRENS (SEA CUCUMBER) AGAINST STREPTOCOCCUS MUTANS

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2016 PROCEEDING NON-INDEX CO-AUTHOR

90. PRELIMINARY SCREENING OF ALOE VERA MIXED WITH IRREVERSIBLE HYDROCOLLOID (ALGINATE) FOR ANTIMICROBIAL EFFECT AGAINST ORAL MICROORGANISM (IN VITRO STUDY)

3RD DENTAL COLLOQIUM

2016 PROCEEDING NON-INDEX CO-AUTHOR

91. ANTIMICROBIAL ACTIVITIES AND PHYTOCHEMICAL PROPERTIES OF SALVADORA PERSICA ROOT EXTRACT AGAINST SUBGINGIVAL PLAQUE SAMPLE SPECIES: AN IN-VITRO STUDY

BORNEO BIOTECH SYMPOSIUM 2016

2016 PROCEEDING NON-INDEX CO-AUTHOR

92. ANTIBACTERIAL PROPERTIES OF CLINACANTHUS NUTANS EXTRACT AGAINST PERIODONTAL PATHOGENS; PORPHYROMONAS GINGIVALIS AND AGGREGATIBACTER ACTINOMYCETEMCOMITANS: AN IN-VITRO STUDY

3RD DENTAL KOLOKIUM

2016 PROCEEDING NON-INDEX CO-AUTHOR

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93. PHYTOCHEMICAL PROPERTIES OF SALVADORA PERSICA EXTRACTS AND ANTIBACTERIAL ACTIVITIES AGAINST PORPHYROMONAS GINGIVALIS AND AGGREGATIBACTER ACTINOMYCETEMCOMITANS: AN IN-VITRO STUDY

3RD DENTAL STUDENTS COLLOQUIUM

2016 PROCEEDING NON-INDEX CO-AUTHOR

94. ANTIBACTERIAL AND BIOFILM INHIBITION ACTIVITIES OF MELASTOMA MALABATHRICUM STEM BARK EXTRACT AGAINST STREPTOCOCCUS MUTANS

MALAYSIAN JOURNAL MICROBIOLOGY

2015 JOURNAL WOS MAIN AUTHOR

95. MELASTOMA MALABATHRICUM STEM BARK EXTRACT INHIBITS BIOFILM FORMATION, ADHERENCE ACTIVITY AND GROWTH OF S. MUTANS

6TH SEMESTER PHD COLLOQUIUM (UKM)

2015 PROCEEDING NON-INDEX MAIN AUTHOR

96. CRYSTAL STRUCTURE OF BIS{2-[(E)-(4-FLUOROBENZYL)- IMINOMETHYL]PHENOLATO-J2N,O}NICKEL(II)

RESEARCH COMMUNICATIONS

2014 JOURNAL SCOPUS CO-AUTHOR

97. CERAPAN MIKROSKOPI DAN ANALISIS SITOMETRI STREPTOCOCCUS MUTANS YANG DITINDAKKAN DENGAN EKSTRAK BATANG MELASTOMA MALABATHRICUM L.

MALAYSIAN APPLIED BIOLOGY

2014 JOURNAL WOS MAIN AUTHOR

98. ANTI-BIOFILM AND ANTI-ADHERENCE ACTIVITIES OF SUB FRACTION 18 OF MELASTOMA MALABATHRICUM TOWARDS STREPTOCOCCUS MUTANS

AIP CONFERENCE PROCEEDING

2014 PROCEEDING NON-INDEX MAIN AUTHOR

99. MICROBIAL CONTAMINATION LEVEL OF WATER SUPPLY SYSTEM AT THE FACULTY OF DENTISTRY, USIM, MALAYSIA

SAINS MALAYSIANA

2013 JOURNAL WOS CO-AUTHOR

100. ANTI BIOFILM AND ANTI ADHERENCE ACTIVITY OF MELASTOMA MALABATRICHUM STEM BARK CRUDES EXTRACTS OF STREPTOCOCCUS MUTANS

MALAYSIAN SCIENCE MICROBIOLOGY

2013 PROCEEDING NON-INDEX MAIN AUTHOR

101. ANTIBACTERIAL ACTIVITY OF STEM BARK MELASTOMA MALABATHRICUM ON STREPTOCOCCUS MUTANS

INTERNATIONAL CONGRESS OF THE MALAYSIAN SOCIETY FOR MICROBIOLOGY

2013 PROCEEDING NON-INDEX MAIN AUTHOR

102. ANTI MICROBIAL ACTIVITY OF PIPER SARMENTOSUM (KADOK) METHANOL EXTRACT AGAINST ORAL BACTERIA

MALAYSIAN SYMPOSIUM APPLIED BIOLOGY

2011 PROCEEDING NON-INDEX MAIN AUTHOR

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103. SUSCEPTIBILTY OF DENTAL CARIES AMONG DENTAL STUDENT USING SYNDER TEST AGAR

SEMINAR SAINS DAN MATEMATIK

2011 | PROCEEDING | NON-INDEX | MAIN AUTHOR

104. POTENTIAL OF ANTIMICROBIAL PLANTS AGAINST ORAL BACTERIA

CPD-FAKULTI PERGIGIAN USIM

2011 | PROCEEDING | NON-INDEX | MAIN AUTHOR

105. MICROBIAL CONTAMINATION LEVEL OF WATER SUPPLY SYSTEM AT THE FACYLTY OF DENTISTRY USIM

KEMENTERIAN KESIHATAN MALAYSIA SEMINAR

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106. MICROBIOLOGY

ANTIMICROBIAL OF PIPER SARMENTOSUM (KADOK) AGAINST ORAL BACTERIA

2011 | CHAPTER IN BOOK | MAIN AUTHOR

107. MIKROBIOLOGI

SUSCEPTIBILTY OF DENTAL CARIES AMONG DENTAL STUDENT USING SYNDER TEST AGAR

2011 | CHAPTER IN BOOK | MAIN AUTHOR

108. MICROBIOLOGY

ISOLATION AND SEROTYPING OF STREPTOCOCCUS MUTANS FROM TEETH OF DENTAL STUDENTS

2011 | CHAPTER IN BOOK | MAIN AUTHOR

109. KNOWLEDGE

ASSOCIATION BETWEEN TAMHIDI PNGK AND MUET SCORE WITH ACADEMIC PERFORMANCE AMONG DENTAL STUDENTS USIM

2011 | CHAPTER IN BOOK | CO-AUTHOR

CONSULTATION

1. Herbal toothpaste containing passion fruit and senduduk leaves

Kenchana Biotech SDN BHD

National

AWARDS/RECOGNITION

1. WRITER OF THE MONTH SEPTEMBER 2025

2025 | UNIVERSITY

2. 1ST PLACE NON-CLINICAL RESEARCH POSTER PRESENTATION4TH IDENT 2025

2025 | INTERNATIONAL

AWARDS/RECOGNITION

3. AN INNOVATIVE TEST KIT TO PREDICT CHILDHOOD CARIES

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA GOLD

4. WRITER OF THE MONTH JANUARY

2024 OTHERS

5. GOLD MEDAL

2024 NATIONAL

6. CRITICAL EVALUATION OF GREEN SYNTHESIZED SILVER NANOPARTICLES-KAEMPFEROL FOR ANTIBACTERIAL ACTIVITY AGAINST METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

7. CHARACTERIZATION AND MECHANISM OF ACTION OF SILVER NANOPARTICLES-KAEMPFEROL IN ENHANCING ANTIBACTERIAL ACTIVITY AGAINST METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA).

RESEARCH SEMINAR UNIVERSITI SAINS ISLAM MALAYSIA

2024 UNIVERSITI CERTIFICATE OF APPRECIATION

8. WRITER OF THE MONTH NOVEMBER 2023

2023 OTHERS

9. ACADEMIC ADVISOR

FAKULTI PERGIGIAN USIM

2023 OTHERS

10. ACADEMIC ADVISOR

UNIVERSITI SAINS ISLAM MALAYSIA

2023 UNIVERSITY

11. ACADEMIC ADVISOR

FAKULTI PERGIGIAN USIM

2023 OTHERS

12. ACADEMIC ADVISOR

FAKULTI PERGIGIAN USIM

2023 OTHERS

13. ACADEMIC ADVISOR

FAKULTI PERGIGIAN USIM

2023 OTHERS

14. ACADEMIC ADVISOR

FAKULTI PERGIGIAN USIM

2023 OTHERS

AWARDS/RECOGNITION

15. **SECOND PRIZE AWARD**

2022 OTHERS

16. **BRONZE**

2022 NATIONAL

17. **GREEN SYNTHESIS CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES KAEMPFEROL AGNP K TOWARDS METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS**

MINGGU PENYELIDIKAN DAN INOVASI 2022 (MPI'22)

2022 KEBANGSAAN CERTIFICATE OF APPRECIATION

18. **1ST PLACE LION-IADR MALSEC AWARD FOR DPH POSTER PRESENTATION**

2019 INTERNATIONAL

19. **ANTIBACTERIAL EFFECTS OF SPILANTHES ACMELLA LEAVES EXTRACTS (SALE) AGAINST STREPTOCOCCUS MUTANS**

INTERNATIONAL ASSOCIATION FOR DENTAL RESEARCH (IADR) MALAYSIAN SECTION

2019 ANTARABANGSA GOLD

20. **ANUGERAH PEKERJA CEMERLANG**

2018 UNIVERSITY