

PROF. MADYA DR. SITI NOOR ADNALIZAWATI BINTI ADNAN

PENSYARAH UNIVERSITI DS14

CONTACT

PHONE
603-42892400

E-MAIL
adnaliza@usim.edu.my

FACULTY
Fakulti Pergigian

SUPERVISION

	COMPLETED	ONGOING
PhD	1	0
Master	2	1

AREAS OF EXPERTISE

Clinical Laboratory Microbiology | Natural Product Research | Bacteriology

ACADEMIC QUALIFICATION

2014 **PhD** - Molecular Bacteriology

2003 **Master** - Biology

1999 **B.Sc.** - Biomedical Sciences

RESEARCH

1. **THE SECONDARY METABOLITES OF STINGLESS BEE BEEHIVE AND ITS ANTIMICROBIAL PROPERTY AGAINST COMMON ORAL PATHOGENS**
   2024 | GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) | ON GOING | MAIN RESEARCHER

2. **MECHANISM STUDIES AND BIOLOGICAL ACTIVITIES OF ALPINIA CONCHIGERA AND 1?S-1?-ACETOXYCHAVICOL ACETATE AGAINST CLINICAL ORAL OPPORTUNISTIC PATHOGENS**
   2021 | GERAN KPT | ON GOING | CO-RESEARCHER

3. **TRANSCRIPTOME ANALYSIS OF ORAL PATHOGENS IN RESPONSE TO TANNIN**
   2018 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

4. **THE PREVALENCE OF STAPHYLOCOCCUS AUREUS IN THE ORAL CAVITIES OF HEALTHY ADULTS**
   2018 | PENYELIDIKAN TANPA BIAYA | COMPLETED | CO-RESEARCHER

5. **THE ANTIMICROBIAL ACTIVITY OF TANNIN FFROM PHYLLANTUS COLUMNARIS STEM BARK AGAINTS C. ALBIANS, P. GINGIVALIS AND S. MUTANS : AN IN VITRO PATHOGENS.**
   2017 | GERAN PENYELIDIKAN HEADSTART PROGRAM | COMPLETED | CO-RESEARCHER

RESEARCH

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

2016 | GERAN KPT | COMPLETED | CO-RESEARCHER

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

2015 | GERAN PENYELIDIKAN JANGKA PENDEK | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. THE CYTOTOXICITY AND ANTI-INFLAMMATORY PROPERTIES OF 1?S-1?- ACETOXYCHAVICOL ACETATE (ACA) ON ORAL CELLS

JOURNAL OF DENTISTRY INDONESIA

2025 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

2. THE BIOCHEMICAL COMPOSITION IN STINGLESS BEE BEEHIVE AND ITS ANTIBACTERIAL PROPERTIES AGAINST STAPHYLOCOCCUS AUREUS AND STREPTOCOCCUS MUTANS

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

2025 | PROCEEDING | NON-INDEX | MAIN AUTHOR

3. ANTIBACTERIAL ACTIVITY OF STINGLESS BEE (HETEROTRIGONA ITAMA) BEEHIVE CRUDE EXTRACTS AGAINST STREPTOCOCCUS MUTANS AND STAPHYLOCOCCUS AUREUS AND PHYTOCHEMICAL ANALYSIS OF THE MOST POTENT EXTRACT

11TH DENTAL STUDENTS' COLLOQUIUM

2025 | PROCEEDING | NON-INDEX | CORRESPONDING AUTHOR

4. ANTIBACTERIAL ACTIVITY OF STINGLESS BEE (HETEROTRIGONA ITAMA) BEEHIVE CRUDE EXTRACTS AGAINST STREPTOCOCCUS MUTANS AND STAPHYLOCOCCUS AUREUS AND PHYTOCHEMICAL ANALYSIS OF THE MOST POTENT EXTRACT

17TH NATIONAL DENTAL STUDENTS SCIENTIFIC CONFERENCE

2025 | PROCEEDING | NON-INDEX | CORRESPONDING AUTHOR

5. GARIS PANDUAN TEKNOLOGI KECERDASAN BUATAN GENERATIF (KBG) DLM PDP USIM

2025 | POLICY

6. REGENERATIVE AND ANTI-INFLAMMATORY EFFECTS OF ALPINIA CONCHIGERA RHIZOME ON ORAL CELLS

INTERNATIONAL APPLIED BIOLOGY CONFERENCE

2024 | PROCEEDING | SCOPUS | CORRESPONDING AUTHOR

7. ISOLATION AND CHARACTERIZATION OF BACTERIOPHAGE WITH LYTIC ACTIVITY AGAINST CARBAPENEM RESISTANCE STRAIN OF KLEBSIELLA PNEUMONIA

POLSKI MERKURIUSZ LEKARSKI

2023 | JOURNAL | SCOPUS | CO-AUTHOR

PUBLICATION

8. ALPINIA CONCHIGERA GRIFF. AS NATURAL ANTIMICROBIAL RESOURCES: A REVIEW

AGROTECH

2023 JOURNAL OTHER DATABASE CO-AUTHOR

9. ANTIBACTERIAL ACTIVITY OF 1'S-1'-ACETOXYCHAVICOL ACETATE AGAINST SELECTED ORAL OPPORTUNISTIC PATHOGENS.

24TH NIH SCIENTIFIC CONFERENCE 2023

2023 PROCEEDING OTHER DATABASE CO-AUTHOR

10. ANTIFUNGAL PROPERTIES OF ALPINIA CONCHIGERA AGAINST ORAL CANDIDA

THE 8TH INTERNATIONAL BIOTECHNOLOGY SYMPOSIUM

2023 PROCEEDING OTHER DATABASE CO-AUTHOR

11. HUMANITY TRIAD: AMALGAMATION OF MALAYSIA MADANI IN A PATIENT-CENTRED CARE AND NAQLI-AQLI KNOWLEDGE CURRICULUM

INTERNATIONAL SCIENCE AND SOCIAL SCIENCE INNOVATION COMPETITION (ISIC-V)

2023 PROCEEDING NON-INDEX CO-AUTHOR

12. GIGI CERITA MENIMBA ILMU

2023 BOOK

13. HUMANITY TRIAD: AMALGAMATION OF MALAYSIA MADANI IN A PATIENT-CENTRED CARE AND NAQLI-AQLI KNOWLEDGE CURRICULUM

SYNTHESIS OF KNOWLEDGE: EXPLORING THE NEXUS OF SCIENCES, SOCIAL SCIENCES, AND INNOVATION

2023 CHAPTER IN BOOK CORRESPONDING AUTHOR

14. IN VITRO ACTIVITY, STABILITY AND MOLECULAR CHARACTERIZATION OF EIGHT POTENT BACTERIOPHAGES INFECTING CARBAPENEM-RESISTANT KLEBSIELLA PNEUMONIAE

VIRUSES

2022 JOURNAL ERA CO-AUTHOR

15. CAPSULAR TYPING AND VIRULENCE PROFILE OF CRE RELATED GENES IN CLINICAL ISOLATES OF MDR KLEBSIELLA PNEUMONIA

PLOS PATHOGENS

2022 JOURNAL ERA CO-AUTHOR

16. ANTIBACTERIAL AND ANTIFUNGAL ACTIVITY OF ALPINIA CONCHIGERA GRIFF.

POSTGRADUATE RESEARCH SYMPOSIUM 2022

2022 PROCEEDING NON-INDEX CO-AUTHOR

17. MORPHOLOGY CHARACTERIZATION OF TEN LYTIC BACTERIOPHAGES FROM DIFFERENT FAMILY TARGETING KLEBSIELLA PNEUMONIAE

MALAYSIAN JOURNAL OF MICROSCOPY

2021 JOURNAL SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

PUBLICATION

18. THE OPTIMUM DURATION OF FLUSHING DENTAL UNIT WATERLINES FOR MICROBIAL REMOVAL

ARCHIVES OF OROFACIAL SCIENCES

2021 JOURNAL SCOPUS CO-AUTHOR

19. THE PREVALENCE OF STAPHYLOCOCCUS AUREUS IN THE ORAL CAVITY OF HEALTHY ADULTS IN MALAYSIA

SAINS MALAYSIANA

2020 JOURNAL SCOPUS CO-AUTHOR

20. PHYLLANTHUS COLUMNARIS PERENCAT BAKTERIA RINTANG ANTIBIOTIK

2020 BOOK MAIN AUTHOR

21. IDENTIFICATION OF THE PREDOMINANT ORAL MICROBIOME IN PERICORONITIS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS CO-AUTHOR

22. 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 MAIN AUTHOR

23. TIME-KILL KINETIC ANALYSIS OF TANNINS EFFECT ON ORAL PATHOGENS

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE 2019

2019 PROCEEDING NON-INDEX CO-AUTHOR

24. IDENTIFICATION OF THE PREDOMINANT BACTERIA CAUSING PERICORONITIS AND THEIR VIRULENCE FACTORS

18TH ANNUAL SCIENTIFIC MEETING MALSEC IADR 2019

2019 PROCEEDING NON-INDEX CO-AUTHOR

25. MOLECULAR DETECTION OF SALMONELLA ENTERICA SEROVAR TYPHI BY VI-QPCR

MALAYSIAN JOURNAL OF MICROBIOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

26. ISOLATION AND CHARACTERISATION OF PHAGES TARGETING CLINICAL PSEUDOMONAS AERUGINOSA CARRYING VIRULENCE GENES

MALAYSIAN JOURNAL OF MICROBIOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

27. INCORPORATION OF SILVER NANOPARTICLES (AGNPS) WITH ENDOPHYTES CELL-FREE SECONDARY METABOLITES ENHANCES ANTIMICROBIAL ACTIVITY

MALAYSIAN APPLIED BIOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

28. THE PREVALENCE OF STAPHYLOCOCCUS AUREUS IN THE ORAL CAVITIES OF HEALTHY ADULTS

DENTAL STUDENTS' COLLOQUIUM 2018

2018 PROCEEDING NON-INDEX CO-AUTHOR

PUBLICATION

29. IDENTIFICATION OF THE PREDOMINANT INFECTIOUS BACTERIA AND THEIR COEXISTENCE IN PERICORONITIS

17TH ANNUAL SCIENTIFIC MEETING MALSEC IADR 2018

2018 PROCEEDING NON-INDEX CO-AUTHOR

30. THE EFFECTIVE DURATION OF FLUSHING DENTAL UNIT WATERLINES FOR MICROBIAL REMOVAL AT USIM LEVEL 17 DENTAL CLINICS

DENTAL STUDENTS' COLLOQUIUM 2018

2018 PROCEEDING NON-INDEX CO-AUTHOR

31. DISRUPTION OF METHICILLIN-RESISTANT STAPYLOCOCCUS AUREUS PROTEIN SYNTHESIS BY TANNINS

GERMS

2017 JOURNAL SCOPUS MAIN AUTHOR

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

POSTGRADUATE SEMINAR KOSIST 2017

2017 PROCEEDING NON-INDEX MAIN AUTHOR

33. DISRUPTION OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS PROTEIN SYNTHESIS BY TANNINS

INTERNATIONAL CONFERENCE ON INFECTION AND IMMUNITY 2017

2017 PROCEEDING NON-INDEX MAIN AUTHOR

34. PREVALENCE AND ANTIBIOTIC SUSCEPTIBILITY PATTERN OF BACTERIA IN PERICORONITIS

9TH NATIONAL DENTAL STUDENTS' SCIENTIFIC CONFERENCE

2017 PROCEEDING NON-INDEX CO-AUTHOR

35. THE ANTIMICROBIAL ACTIVITY OF TANNIN FROM PHYLLANTHUS COLUMNARIS STEM BARK AGAINST C. ALBICANS AND S. MUTANS: AN IN VITRO STUDY

DENTAL STUDENTS' COLLOQUIUM 2017

2017 PROCEEDING NON-INDEX CO-AUTHOR

36. COMPARISON OF ANTIBACTERIAL EFFECT OF FLUORIDATED AND PROBIOTIC TOOTHPASTE AGAINST VIRIDANS GROUP STREPTOCOCCI: AN IN-VITRO STUDY

DENTAL STUDENTS' COLLOQUIUM 2017

2017 PROCEEDING NON-INDEX CO-AUTHOR

37. AKTIVITI ANTI-BAKTERIA CAMPURAN MADU KELULUT (TRIGONA SPP.) DAN LEMON (CITRUS LIMON) KE ATAS PATOGEN MULUT DAN TEKAK

BUKU SIRI PENYELIDIKAN BIOSAINS DAN BIOTEKNOLOGI 2017

2017 CHAPTER IN BOOK CO-AUTHOR

38. AKTIVITI ANTI-BAKTERIA CAMPURAN MADU TUALANG (KOOMPASSIA EXCELSIA) DAN LEMON (CITRUS LIMON) KE ATAS PATOGEN MULUT DAN TEKAK

BUKU SIRI PENYELIDIKAN BIOSAINS DAN BIOTEKNOLOGI 2017

2017 CHAPTER IN BOOK CO-AUTHOR

PUBLICATION

39. TRANSCRIPTOME ANALYSIS OF METHICILLIN-RESISTANT STAPYLOCOCCUS AUREUS IN RESPONSE TO STIGMASTEROL AND LUPEOL

JOURNAL OF GLOBAL ANTIMICROBIAL RESISTANCE

2016 JOURNAL WOS MAIN AUTHOR

40. PREVALENCE AND ANTIBIOTIC SUSCEPTIBILITY PATTERN OF BACTERIA IN PERICORONITIS

3RD USIM DENTAL STUDENTS COLLOQUIUM

2016 PROCEEDING NON-INDEX CO-AUTHOR

41. A COMPARISON OF SALIVA COMPONENTS BETWEEN HIGH, MODERATE AND LOW CARIES RISK PAEDIATRIC PATIENTS IN USIM DENTAL CLINIC

2ND USIM DENTAL STUDENTS COLLOQUIUM

2015 PROCEEDING NON-INDEX CO-AUTHOR

42. ISOLATION AND IDENTIFICATION OF ANTI-METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS COMPOUNDS FROM PHYLLANTHUS COLUMNARIS STEM BARK.

MALAYSIAN JOURNAL OF MICROBIOLOGY

2014 JOURNAL SCOPUS MAIN AUTHOR

43. BIOASSAY-GUIDED ANTI METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS OF PHYLLANTHUS COLUMNARIS M�LL.ARG. STEM BARK AND STUDIES ON THE MODE OF ACTION

6TH SEMESTER PHD SEMINAR

2014 PROCEEDING NON-INDEX MAIN AUTHOR

44. ANTIMICROBIAL ACTIVITY OF PHYLLANTHUS COLUMNARIS STEM BARK EXTRACT

MALAYSIAN APPLIED BIOLOGY

2013 JOURNAL SCOPUS MAIN AUTHOR

45. SYNTHESIS OF SILVER NANOPARTICLES WITH ANTIBACTERIAL ACTIVITY USING THE LICHEN PARMOTREMA PRAESOREDIOSUM

INTERNATIONAL JOURNAL OF NANOMEDICINE

2013 JOURNAL SCI CO-AUTHOR

46. SYNTHESIS, ANTIBACTERIAL ACTIVITY AND CYTOTOXICITY OF NEW FUSED PYRAZOLO[1,5-A]PYRIMIDINE AND PYRAZOLO[5,1-C][1,2,4]TRIAZINE DERIVATIVES FROM NEW 5-AMINOPYRAZOLES

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY

2013 JOURNAL WOS CO-AUTHOR

47. DISORGANIZATION OF CELL DIVISION OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS BY METHANOLIC EXTRACT FROM PHYLLANTHUS COLUMNARIS STEM BARK

AMERICAN INSTITUTE OF PHYSICS CONFERENCE PROCEEDINGS

2013 PROCEEDING NON-INDEX MAIN AUTHOR

48. ANTIMICROBIAL PROPERTIES FROM PHYLLANTHUS COLUMNARIS STEM BARK

3RD SEMESTER PHD STUDENT SEMINAR

2012 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

49. PHYLLANTHUS COLUMNARIS STEM BARK HAS ANTI-MRSA AND ANTI-YEAST ACTIVITIES

FEDERATION OF INFECTION SOCIETIES CONFERENCE 2011

2011 PROCEEDING NON-INDEX MAIN AUTHOR

50. ANTIBACTERIAL ACTIVITY OF PHYLLANTHUS COLUMNARIS

PROCEEDINGS OF THE NATIONAL POSTGRADUATE SEMINAR

2010 PROCEEDING NON-INDEX MAIN AUTHOR

51. SCREENING FOR ANTIYEAST ACTIVITIES FROM SELECTED MEDICINAL PLANTS

JOURNAL OF TROPICAL FOREST SCIENCE

2005 JOURNAL SCOPUS CO-AUTHOR

52. ANTIBACTERIAL AND ANTIFUNGAL EFFICACY OF CURCUMA DOMESTICA

MALAYSIAN JOURNAL OF MEDICAL SCIENCES

1999 JOURNAL SCOPUS CO-AUTHOR

CONSULTATION

1. METHOD DEVELOPMENT OF REAL TIME PCR FOR SALMONELLA TYPHI

MAKMAL KESIHATAN AWAM KEBANGSAAN, KEMENTERIAN KESIHATAN MALAYSIA

2016 NATIONAL

AWARDS/RECOGNITION

1. ACADEMIC ADVISOR

FACULTY OF DENTISTRY

2024 UNIVERSITY

2. ACADEMIC ADVISOR

FACULTY OF DENTISTRY

2024 UNIVERSITY

3. WRITER OF THE MONTH JANUARY 2023

2023 OTHERS

4. HUMANITY TRIAD: AMALGAMATION OF MALAYSIA MADANI IN A PATIENT-CENTRED CARE AND NAQLI-AQLI KNOWLEDGE CURRICULUM

INTERNATIONAL SCIENCE AND SOCIAL SCIENCE INNOVATION COMPETITION (i-SIC V)

2023 ANTARABANGSA SILVER

5. ANUGERAH PERKHIDMATAN CEMERLANG 2021

2021 UNIVERSITY

AWARDS/RECOGNITION

6. WRITER OF THE MONTH

2020 OTHERS

7. IDENTIFICATION OF THE PREDOMINANT ORAL MICROBIOME IN PERICORONITIS

WRITER OF THE MOUTH

2019 ANTARABANGSA

8. BEST POSTER AWARD FOR ?THE EFFECTIVE DURATION OF FLUSHING DENTAL UNIT WATERLINE FOR MICROBIAL REMOVAL AT DENTAL CLINICS?. 5TH USIM DENTAL STUDENTS? COLLOQUIUM.

2018 UNIVERSITY

9. BEST RESEARCH AWARD FOR ?COMPARISON OF ANTIBACTERIAL EFFECT OF FLUORIDATED AND PROBIOTIC TOOTHPASTE AGAINST VIRIDANS GROUP STREPTOCOCCI: AN IN-VITRO STUDY?. 4TH USIM DENTAL STUDENTS? COLLOQUIUM.

2017 OTHERS

10. BEST POSTER AWARD FOR ?COMPARISON OF ANTIBACTERIAL EFFECT OF FLUORIDATED AND PROBIOTIC TOOTHPASTE AGAINST VIRIDANS GROUP STREPTOCOCCI: AN IN-VITRO STUDY?. 4TH USIM DENTAL STUDENTS? COLLOQUIUM.

2017 OTHERS

11. 3. BEST PRESENTER AWARD FOR ?COMPARISON OF ANTIBACTERIAL EFFECT OF FLUORIDATED AND PROBIOTIC TOOTHPASTE AGAINST VIRIDANS GROUP STREPTOCOCCI: AN IN-VITRO STUDY?. 4TH USIM DENTAL STUDENTS? COLLOQUIUM, 14 DEC 2017, UNIVERSITI SAINS ISLAM MALAYSIA.

2017 OTHERS

12. 2ND PLACE RESEARCH AWARD FOR ?PREVALENCE AND ANTIBIOTIC SUSCEPTIBILITY PATTERN OF BACTERIA IN PERICORONITIS?. 3RD USIM DENTAL STUDENTS? COLLOQUIUM, UNIVERSITI SAINS ISLAM MALAYSIA.

2016 OTHERS

13. BEST ORAL PRESENTER AWARD FOR ?PREVALENCE AND ANTIBIOTIC SUSCEPTIBILITY PATTERN OF BACTERIA IN PERICORONITIS?. 3RD USIM DENTAL STUDENTS? COLLOQUIUM, 17TH NOV 2016, UNIVERSITI SAINS ISLAM MALAYSIA.

2016 OTHERS

14. MARKAH CEMERLANG DALAM PENILAIAN KURSUS DAN PENGAJARAN (ENILAI) FOR SEMESTER 1, ACADEMIC SESSION 2015/2016

2016 UNIVERSITY

15. HADIAH LATIHAN PERSEKUTUAN

2010 NATIONAL

16. ANUGERAH PERKHIDMATAN CEMERLANG

2010 NATIONAL

17. ANUGERAH PERKHIDMATAN CEMERLANG PERKHIDMATAN AWAM

2008 NATIONAL