Profile Image

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PENSYARAH UNIVERSITI DS14

CONTACT

PHONE

-

E-MAIL

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FACULTY

Fakulti Perubatan Dan Sains Kesihatan

SUPERVISION

	COMPLETED	ONGOING
PhD	0	2
Master	3	0

AREAS OF EXPERTISE

Microbiome Studies | Metagenomic, Microbiome | Molecular Microbiology

ACADEMIC QUALIFICATION

- 2015 **PhD**
- 2005 **Master** - Mphill (mikrobiologi)
- 2000 **Diploma** - Pendidikan
- 1999 **Bachelor** - Mikrobiology

RESEARCH

1. **ELUCIDATING THE IMPACT OF ACETYLATION IN PATHOGENIC ESCHERICHIA COLI THROUGH A MULTI-OMICS ANALYSIS TO UNDERMINE ANTIMICROBIAL RESISTANCE**
   2024 | GERAN KPT | ON GOING | CO-RESEARCHER

2. **ENHANCING MICROBIOTA-RELATED GUT HEALTH AWARENESS AND NUTRITIONAL HABITS AMONG SCHOOL CHILDREN AND ADULTS**
   2024 | BIDUNI MIZANNIYAH | ON GOING | MAIN RESEARCHER

3. **ANTIBACTERIAL AND OSTEOGENIC ACTIVITIES OF HYDROXYAPATITE SOL-GEL COATING OF SELECTIVE LASER MELTING (SLM) TI6AL4V FOR ORTHOPAEDIC AND DENTAL IMPLANTS**
   2022 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

4. **END STAGE RENAL DISEASE PATIENTS UNDERGOING HAEMODIALYSIS IN MALAYSIA: ASSOCIATIONS OF GUT MICROBIOTA, DIET, BIOCHEMICAL AND CHRONIC SYSTEMIC INFLAMMATORY MARKERS**
   2021 | GERAN KPT | ON GOING | CO-RESEARCHER

5. **CARDIAC REGENERATION BY THE COMBINATION OF PHOENIX DACTYLIFERA L. FRACTIONS AND ENDOGENOUS STEM CELL THERAPY**
   2020 | GERAN KPT | ON GOING | CO-RESEARCHER

RESEARCH

6. SIGNIFICANCE OF PATHOGEN ISOLATES IN POSTMORTEM SAMPLES AS A CAUSE OF SUDDEN UNEXPECTED DEATH IN INFANCY AND CHILDHOOD.

2019 | GERAN KPT | COMPLETED | CO-RESEARCHER

7. NUTRIMIROMICS STUDY OF TRIGONA HONEY: ELUCIDATION OF HONEY-INDUCED MICRORNA?S ANTI-CANCER EFFECT ON BREAST CANCER CELLS

2019 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

8. ETHNICITY-RELATED GUT MICROBIOTA INVOLVEMENT IN THE PATHOGENESIS OF TYPE 2 DIABETES MELLITUS VIA ALTERATIONS IN METABOLIC REGULATORS

2019 | GERAN KPT | COMPLETED | MAIN RESEARCHER

9. AN INVESTIGATION OF GUT MICROBIAL COMPOSITION IN HEPATITIS B PATIENTS IN MALAYSIA: A FIRST STEP INTO THE DEVELOPMENT OF A NEW THERAPEUTIC TARGET IN LIVER DISEASES

2018 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

10. ANTICANCER EFFECT OF MALAYSIAN TRIGONA HONEY ON BREAST CANCER CELLS

2016 | GERAN PENYELIDIKAN TRANSLASIONAL | COMPLETED | CO-RESEARCHER

11. ANTIMICROBIAL EFFECTS OF HONEY AND CITRUS JUICE COMBINATION ON STREPTOCOCCUS PYOGENES.

2015 | GERAN KPT | COMPLETED | CO-RESEARCHER

12. CONSTITUTIVE AND REGULATED PRODUCTION OF PRO-INFLAMMATORY AND CHEMOTACTIC CYTOKINES BY HUMAN INTESTINAL EPITHELIAL CELLS

2015 | GERAN PENYELIDIKAN JANGKA PENDEK | COMPLETED | MAIN RESEARCHER

13. ANALSIS OF FACTORS IN RESPONSE TO ROTAVIRUS VACCINATION COUNSELING IN PRIVATE

2010 | GERAN PENYELIDIKAN PANTAS BAWAH SETAHUN | COMPLETED | MAIN RESEARCHER

14. ANTIBIOTIC SUSCEPTIBILITY OF CLINICAL ISOLATES OF PSEUDOMONAS AERUGINOSA

2007 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | MAIN RESEARCHER

15. ANTIBIOTIC SUSCEPTIBILITY OF CLINICAL ISOLATES OF PSEUDOMONAS AERUGINOSA

2007 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. ETHNICITY-MATCHED CASE?CONTROL STUDY REVEALS SIGNIFICANT GUT MICROBIOTA DIFFERENCES IN MALAYSIAN ADULTS WITH TYPE 2 DIABETES

JOURNAL OF MEDICAL MICROBIOLOGY

2025 | JOURNAL | ERA | CORRESPONDING AUTHOR

PUBLICATION

2. THE ROLE OF INFLAMMATORY MARKERS FOR RISK STRATIFICATION AND PROGNOSIS IN DIALYSIS PATIENTS: A NARRATIVE REVIEW

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY

2025 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

3. INSIGHTS FROM GUT MICROBIOTA PROFILES IN MALAYSIAN ADULTS WITH TYPE-2 DIABETES: IMPLICATIONS FOR DIETARY INTERVENTIONS

40TH NSM SCIENTIFIC CONFERENCE

2025 PROCEEDING NON-INDEX MAIN AUTHOR

4. THE IMPACT OF GAMING ON THE AGEING POPULATION: A SCOPING REVIEW

USIM 10TH NATIONAL HEALTH SEMINAR 2025

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

5. USIM 10TH NATIONAL HEALTH SEMINAR 2025 EMPOWERING HEALTHY AGEING

USIM 10TH NATIONAL HEALTH SEMINAR 2025

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

6. USIM 10TH NATIONAL HEALTH SEMINAR 2025 EMPOWERING HEALTHY AGEING

USIM 10TH NATIONAL HEALTH SEMINAR 2025

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

7. MULTIOMICS INTEGRATION OF GUT MICROBIOTA AND METABOLOMICS IN METABOLIC DYSFUNCTION-ASSOCIATED FATTY LIVER DISEASE (MAFLD) IN THE ELDERLY: A SYSTEMATIC REVIEW PROPOSAL

USIM NATIONAL HEALTH SEMINAR 2025

2025 PROCEEDING NON-INDEX MAIN AUTHOR

8. ENHANCING MICROBIOTA-RELATED GUT HEALTH AWARENESS ACROSS AGE GROUPS: OUTCOMES OF INTERACTIVE EDUCATIONAL ACTIVITIES AT A SCIENCE FAIR

MALAYSIAN ONLINE JOURNAL OF EDUCATIONAL SCIENCES (MOJES)

2024 JOURNAL OTHER DATABASE MAIN AUTHOR

9. CHARACTERISATION OF THE DIABETIC GUT MICROBIOTA: A MALAYSIAN INSIGHT

8TH MICROBIOME RND & BUSINESS COLLABORATION CONGRESS: ASIA

2024 PROCEEDING NON-INDEX MAIN AUTHOR

10. GUT MICROBIAL COMPOSITION OF MULTI ETHNIC HEALTHY ADULTS LIVING IN GREATER KLANG VALLEY

2ND INTERNATIONAL BIOMECS SYMPOSIUM 2024

2024 PROCEEDING NON-INDEX CO-AUTHOR

11. UNRAVELLING HOST MICROBIOTA SHIFTS IN COVID-19: A SCOPING REVIEW

ANNUAL SCIENTIFIC CONFERENCE 2024 "PRIMARY CARE - FOR EACH AND EVERYONE"

2024 PROCEEDING SCOPUS MAIN AUTHOR

12. EMERGING TRENDS OF ANTIBIOTIC RESISTANCE AMONG CANCER PATIENTS

7TH INTERNATIONAL CONFERENCE ON MOLECULAR BIOLOGY AND BIOTECHNOLOGY 2024

2024 PROCEEDING SCOPUS CORRESPONDING AUTHOR

PUBLICATION

13. ASSOCIATION OF BIOCHEMICAL PARAMETERS WITH SOCIODEMOGRAPHIC CHARACTERISTICS OF MULTIRACIAL HEMODIALYSIS PATIENTS IN NEGERI SEMBILAN AND KLANG VALLEY, MALAYSIA

NHS 9TH USIM

2023 PROCEEDING WOS CO-AUTHOR

14. ?AJWA? DATE PALM FRUIT PROMOTES BONE MARROW DERIVED MESENCHYMAL STEM CELLS GROWTH IN VITRO

USIM 9TH NATIONAL HEALTH SEMINAR 2023

2023 PROCEEDING SCOPUS CO-AUTHOR

15. DISTINCT MICRORNA EXPRESSION PATTERN IN BREAST CANCER CELLS FOLLOWING ANTI-NEOPLASTIC TREATMENT: A SYSTEMATIC REVIEW AND FUNCTIONAL ANALYSIS OF MICRORNA TARGET GENES

THE MALAYSIAN JOURNAL OF PATHOLOGY

2022 JOURNAL SCOPUS CO-AUTHOR

16. GUT MICROBIOTA COMPOSITION IN PREDIABETES AND NEWLY DIAGNOSED TYPE 2 DIABETES: A SYSTEMATIC REVIEW OF OBSERVATIONAL STUDIES

FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY

2022 JOURNAL ERA CORRESPONDING AUTHOR

17. A SYSTEMATIC REVIEW OF PREVALENCE AND RISK FACTORS OF LATENT TUBERCULOSIS INFECTION AMONG MEDICAL AND NURSING STUDENTS

MALAYSIAN JOURNAL OF MEDICINE AND HEALTH SCIENCES

2022 JOURNAL SCOPUS CO-AUTHOR

18. GUT MICROBIOTA PROFILE OF MAJOR ETHNIC GROUPS IN KLANG VALLEY, MALAYSIA

MICROBIOME INTERACTIONS IN HEALTH AND DISEASE

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

19. A SYSTEMATIC REVIEW OF GUT MICROBIOTA IN PRE- AND NEWLY DIAGNOSED DIABETES

MICROBIOME INTERACTIONS IN HEALTH AND DISEASE

2022 PROCEEDING NON-INDEX MAIN AUTHOR

20. DIFFERENTIAL EXPRESSION OF MICRORNA AND ITS TARGET GENES IN TRIGONA HONEY TREATED BREAST CANCER CELL LINE

5TH USIM INTERNATIONAL HEALTH CONFERENCE 2022,

2022 PROCEEDING NON-INDEX CO-AUTHOR

21. THE ROLE AND EFFICACY OF NUTRITION IN THE ENHANCEMENT OF STEM CELLS REGENERATIVE CAPACITY: A PROTOCOL FOR SCOPING REVIEW STUDY

5TH USIM INTERNATIONAL HEALTH CONFERENCE 2022

2022 PROCEEDING SCOPUS CORRESPONDING AUTHOR

22. BACTERIAL INFECTION AS AN IMPORTANT CONTRIBUTOR TO SUDDEN UNEXPECTED DEATH IN INFANTS UNDER 1-YEAR-OLD

INTERNATIONAL CONGRESS OF INFECTIOUS DISEASES(ISID)

2022 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

PUBLICATION

23. POST-MORTEM MICROBIOLOGY: KLEBSIELLA ISOLATES IN SUDDEN UNEXPECTED DEATH OF INFANTS AND CHILDREN

13TH INTERNATIONAL SYMPOSIUM ON ANTIMICROBIAL AGENTS AND RESISTANCE 2021 (ISAAR 2021)

2021 PROCEEDING NON-INDEX CO-AUTHOR

24. CLINICAL PARAMETERS IN DIABETIC AND NON-DIABETIC PATIENTS: A CASE-CONTROL STUDY AT A HEALTH CLINIC IN KLANG VALLEY

4TH USIM INTERNATIONAL HEALTH ECONFERENCE 2020 (IHEC 2020) IN CONJUNCTION WITH THE 3RD INTERNATIONAL CONFERENCE ON MEDICINE AND HEALTH SCIENCES (ICMHS)

2020 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

25. CLINICAL PARAMETERS IN DIABETIC AND NON-DIABETIC PATIENTS: A CASE-CONTROL STUDY AT A HEALTH CLINIC IN KLANG VALLEY

4TH USIM INTERNATIONAL HEALTH ECONFERENCE 2020 (IHEC 2020) IN CONJUNCTION WITH THE 3RD INTERNATIONAL CONFERENCE ON MEDICINE AND HEALTH SCIENCES (ICMHS)

2020 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

26. GUT BACTERIA CHARACTERISTIC OF THE INFANT MICROBIOTA DOWN-REGULATE INFLAMMATORY TRANSCRIPTIONAL RESPONSES IN HT-29 CELLS

ANAEROBE

2019 JOURNAL ISI MAIN AUTHOR

27. PRACTICAL BOOK & CASE STUDIES FOR MEDICAL MICROBIOLOGY & IMMUNOLOGY

2019 BOOK EDITOR

28. ANTIBACTERIAL EFFECTS VARIOUS TYPES OF HONEY AND CITRUS JUICE ON STREPTOCOCCUS PYOGENES: A SYSTEMATIC REVIEW

CURRENT TOPICS IN NUTRACEUTICAL RESEARCH

2018 JOURNAL WOS CO-AUTHOR

29. DISTRIBUTION AND ANTIFUNGAL SUSCEPTIBILITY PATTERN OF CANDIDA SPECIES AT A TERTIARY HOSPITAL IN MALAYSIA.

THE JOURNAL OF INFECTION IN DEVELOPING COUNTRIES

2018 JOURNAL WOS CO-AUTHOR

30. EVIDENCES FOR POSSIBLE FAVOURABLE MODULATION OF THE HUMAN GUT MICROBIOTA COMPOSITION THROUGH GOAT-MILK CONSUMPTION

SEMINAR ILMIAH TENUSU KAMBING DI MALAYSIA

2018 PROCEEDING NON-INDEX MAIN AUTHOR

31. ANTIBACTERIAL EFFECTS OF CITRUS JUICES AGAINST STREPTOCOCCUS PYOGENES

MALAYSIAN JOURNAL OF NUTRITION

2017 JOURNAL SCOPUS CO-AUTHOR

32. HONEY STIMULATES PRODUCTION OF IL-8 CHEMOKINE BY HT-29 INTESTINAL EPITHELIAL CELLS

MALAYSIAN JOURNAL OF NUTRITION

2017 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

33. IN VITRO ANTIOXIDANT AND ANTIMICROBIAL EVALUATION OF MALAYSIAN TUALANG HONEY

INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS

2017 JOURNAL WOS CO-AUTHOR

34. IN VITRO ANTIMICROBIAL ACTIVITY OF HONEY AND CITRUS JUICE COMBINATIONON ON STREPTOCOCCUS PYOGENES

INTERNATIONAL CONFERENCE ON FOOD SCIENCE AND NUTRITION

2017 PROCEEDING NON-INDEX CO-AUTHOR

35. DUAL PROLIFERATIVE EFFECTS OF TRIGONA HONEY ON BONE MARROW-DERIVED MESENCHYMAL STEM CELLS AND MCF7 BREAST CANCER CELLS

INTERNATIONAL ANATOMICAL AND BIOMEDICAL SCIENTIFIC CONFERENCE

2017 PROCEEDING NON-INDEX CO-AUTHOR

36. A SYSTEMATIC REVIEW OF STUDIES INVESTIGATING THE EFFECT OF HONEY AND CITRUS

2ND WORLD CONGRESS ON INFECTIOUS DISEASES

2016 PROCEEDING NON-INDEX CO-AUTHOR

37. COMMENSALS PREDOMINANT IN THE INFANT GUT REGULATE SIGNALLING CASCADES IN EPITHELIAL CELLS

MICROBIOME FORUM: ASIA

2015 PROCEEDING NON-INDEX MAIN AUTHOR

38. 10 YEARS OF INSPIRING KNOWLEDGE, FPSK USIM - LANGUAGE EDITOR

2015 BOOK CO-EDITOR

39. CHAPTER 4: BASIC DIAGNOSTIC TECHNIQUES IN BACTERIOLOGY

BASIC DIAGNOSTIC TECHNIQUES IN BACTERIOLOGY, IN PRACTICAL BOOK: IMMUNOLOGY AND MEDICAL MICROBIOLOGY

2014 CHAPTER IN BOOK CO-AUTHOR

40. CHAPTER 5. GRAM POSITIVE BACTERIA

GRAM POSITIVE BACTERIA, IN PRACTICAL BOOK: IMMUNOLOGY & MEDICAL MICROBIOLOGY

2014 CHAPTER IN BOOK CO-AUTHOR

41. COMPARISON OF THE COMPOSITIONS OF THE STOOL MICROBIOTAS OF INFANTS FED GOAT MILK FORMULA, COW MILK-BASED FORMULA, OR BREAST MILK

APPLIED AND ENVIRONMENTAL MICROBIOLOGY

2013 JOURNAL WOS CO-AUTHOR

42. ANALYSIS OF FACTORS IN RESPONSE TO ROTAVIRUS VACCINATION COUNSELLING IN A PRIVATE PAEDIATRIC CLINIC.

THE MEDICAL JOURNAL OF MALAYSIA

2010 JOURNAL SCOPUS CO-AUTHOR

43. ANTIMICROBIAL SUSCEPTIBILITY OF CLINICAL ISOLATES OF PSEUDOMONAS AERUGINOSA FROM A MALAYSIAN HOSPITAL.

MALAYSIAN JOURNAL OF MEDICAL SCIENCES

2009 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

44. PSEUDOMONAS AERUGINOSA: ANTIMICROBIAL SUSCEPTIBILITY TESTING AND AGREEMENT BETWEEN DISK DIFFUSION AND E-TEST METHODS

INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES

2008 JOURNAL WOS MAIN AUTHOR

45. EVALUATION OF THE H1D FLAGELLIN GENE TARGETING PCR FOR DETECTION OF SALMONELLA ENTERICA SEROVAR TYPHI THONG K.L

MALAYSIAN JOURNAL OF SCIENCE

2005 JOURNAL SCOPUS CO-AUTHOR

46. SIMPLE AND RAPID DETECTION OF SALMONELLA STRAINS BY DIRECT PCR AMPLIFICATION OF THE HILA GENE.

JOURNAL OF MEDICAL MICROBIOLOGY

2003 JOURNAL WOS MAIN AUTHOR

AWARDS/RECOGNITION

1. ACADEMIC ADVISOR

PANEL PENILAI LAPORAN AKHIR PENYELIDIKAN, UNIVERSITI SAINS ISLAM MALAYSIA (USIM)

2025 UNIVERSITY

2. ACADEMIC ADVISOR

PANEL PENILAI LAPORAN KEMAJUAN PENYELIDIKAN, UNIVERSITI SAINS ISLAM MALAYSIA (USIM)

2025 UNIVERSITY

3. ACADEMIC ADVISOR

PANEL PENILAI LAPORAN KEMAJUAN PENYELIDIKAN, UNIVERSITI SAINS ISLAM MALAYSIA (USIM)

2025 UNIVERSITY

4. FROM LAND TO SEA: IMPROVING HEALTH OUTCOMES FOR AGROCOASTAL POPULATIONS THROUGH MULTIDISCIPLINARY COLLABORATION (OUTSTANDING PRESENTER)

THE 5TH INTERNATIONAL CONFERENCE ON MEDICINE AND HEALTH SCIENCES (ICMHS)

2025 ANTARABANGSA CERTIFICATE OF APPRECIATION

5. THE IMPACT OF GAMING ON THE AGEING POPULATION: A SCOPING REVIEW (BEST POSTER AWARD)

10th USIM National Health Seminar (NHS) 2025

2025 KEBANGSAAN BEST PAPER AWARD

6. 3M: MICROBE MINIATURE MODEL

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD

7. ACADEMIC ADVISOR

QUALIFYING TEST/ PROPOSAL DEFENCE PELAJAR SARJANA SAINS PERUBATAN (MMEDSC) FPSK

2023 UNIVERSITY

AWARDS/RECOGNITION

8. ACADEMIC ADVISOR

PANEL PENILAI PERMOHONAN GERAN PENYELIDIKAN BIDUNI MIZANIYAH

2023 UNIVERSITY

9. "WRITER OF THE MONTH" BAGI BULAN OKTOBER 2022

2022 UNIVERSITY

10. ACADEMIC ADVISOR

PANEL PENILAI LAPORAN KEMAJUAN PENYELIDIKAN

2022 UNIVERSITY

11. ACADEMIC ADVISOR

PANEL PENILAI PERMOHONAN GERAN PENYELIDIKAN SEPADAN

2022 UNIVERSITY

12. ACADEMIC ADVISOR

PANEL PENILAI LAPORAN AKHIR PENYELIDIKAN

2022 UNIVERSITY

13. PENGANUGERAHAN ANUGERAH PERKHIDMATAN SETIA

2021 UNIVERSITY

14. ACADEMIC ADVISOR

QUALIFYING TEST/ PROPOSAL DEFENCE PELAJAR FALSAFAH KEDOKTORAN (PHD) FPSK (PANEL)

2021 UNIVERSITY

15. ACADEMIC ADVISOR

QUALIFYING TEST/ PROPOSAL DEFENCE PELAJAR SARJANA SAINS PERUBATAN (MMEDSC) FPSK (CHAIR)

2021 UNIVERSITY

16. ACADEMIC ADVISOR

PENILAIAN LAPORAN AKHIR GERAN

2021 UNIVERSITY

17. POST-MORTEM MICROBIOLOGY: KLEBSIELLA ISOLATES IN SUDDEN UNEXPECTED DEATH OF INFANTS AND CHILDREN

13th INTERNATIONAL SYMPOSIUM ON ANTIMICROBIAL AGENTS AND RESISTANCE (ISAAR) 2021

2021 ANTARABANGSA PLATINUM

18. ACADEMIC ADVISOR

JURI PEMBENTANGAN ORAL DAN POSTER 4TH USIM INTERNATIONAL HEALTH E-CONFERENCE (IHEC) 2020 BERSEMPENA DENGAN 3RD INTERNATIONAL CONFERENCE ON MEDICINE AND HEALTH SCIENCES (ICMHS) 2020

2020 INTERNATIONAL

AWARDS/RECOGNITION

19. ACADEMIC ADVISOR

QUALIFYING TEST/ PROPOSAL DEFENCE PELAJAR FALSAFAH KEDOKTORAN (PHD) FPSK

2020 UNIVERSITY