

PROF. MADYA DR. SITI AISYAH ABD GHAFAR

PENSYARAH UNIVERSITI DS14

CONTACT

PHONE
0342891157

E-MAIL
aisyahghafar@usim.edu.my

FACULTY
Fakulti Pergigian

SUPERVISION

	COMPLETED	ONGOING
PhD	1	1
Master	5	2

AREAS OF EXPERTISE

- Traditional Medicine And Natural Products
- Other Animal Biotechnology
- Other Medical Biotechnology
- Cell Biology

ACADEMIC QUALIFICATION

2013 **PhD** - Medical Biotechnology

2007 **Bachelor** - Biomedical Sciences

RESEARCH

1. **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 · MAIN RESEARCHER

2. **CHARACTERIZATION AND MOLECULAR MECHANISM OF SILVER NANOPARTICLE-?-SITOSTEROLS IN ENHANCING ANTIPROLIFERATIVE EFFECTS AGAINST ORAL CANCER CELL LINES FOR CANCER THERAPY.**
   2017 · GERAN KPT · COMPLETED · MAIN RESEARCHER

3. **ANTI-PROLIFERATIVE PROPERTIES OF CLINACANTHUS NUTANS L. LEAVES EXTRACTS AGAINST ORAL CANCER CELL LINES**
   2014 · GERAN KPT · COMPLETED · MAIN RESEARCHER

PUBLICATION

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

SWISS INNOVATION CHALLENGE

2025 PROCEEDING NON-INDEX MAIN AUTHOR

2. 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

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

4TH IDENT USIM

2025 PROCEEDING MYCITE MAIN AUTHOR

4. 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

5. 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

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

8TH INTERNATIONAL BIOTECHNOLOGY SYMPOSIUM

2023 PROCEEDING NON-INDEX MAIN AUTHOR

7. ANTIHYPERCHOLESTEROLEMIC AND ANTIHYPERGLYCEMIC ACTIVITY OF NIGELLA SATIVA

BIOCHEMISTRY, NUTRITION, AND THERAPEUTICS OF BLACK CUMIN SEED

2023 CHAPTER IN BOOK MAIN AUTHOR

8. ANTIBACTERIAL ACTIVITY OF SPILANTHES ACMELLA FLOWER EXTRACTS (SAFE) AGAINST STREPTOCOCCUS MUTANS

MALAYSIAN JOURNAL OF MEDICINE AND HEALTH SCIENCES

2019 JOURNAL SCOPUS MAIN AUTHOR

9. ANTIOXIDANT ACTIVITY OF MUSA PARADISIACA (BANANA) SOFT PITH AND ITS CYTOTOXICITY AGAINST ORAL SQUAMOUS CARCINOMA CELL LINES

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY

2019 JOURNAL OTHER DATABASE MAIN AUTHOR

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

MALAYSIAN JOURNAL OF MEDICINE AND HEALTH SCIENCES

2019 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

11. 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

12. CYTOTOXICITY ACTIVITY OF GREEN SILVER NANOPARTICLE-CLINACANTHUS NUTANS (AGNP-CN) AGAINST ORAL SQUAMOUS CARCINOMA CELL LINES

NANOTECHNOLOGY IN FORESTRY & NATURAL RESOURCES SEMINAR 2019

2019 PROCEEDING NON-INDEX MAIN AUTHOR

13. ANTIBACTERIAL ACTIVITY OF SPILANTHES ACMELLA FLOWER EXTRACTS (SAFE) AGAINST STREPTOCOCCUS MUTANS

2ND INTERNATIONAL CONFERENCE ON ORAL MICROBIOLOGY AND ORAL IMMUNOLOGY

2019 PROCEEDING NON-INDEX MAIN AUTHOR

14. GREEN SILVER NANOPARTICLES STROBILANTHES CRISPUS (AGNP-SC) INHIBITS GRAM NEGATIVE BACTERIA GROWTH

NANOTECHNOLOGY IN FORESTRY & NATURAL RESOURCES SEMINAR 2019

2019 PROCEEDING NON-INDEX MAIN AUTHOR

15. REGULATION OF BRPA AND GTF GENES TOWARDS STREPTOCOCCUS MUTANS AFTER EXPOSURE OF SPILANTHES ACMELLA EXTRACTS.

6TH DENTAL STUDENTS COLLOQUIUM

2019 PROCEEDING NON-INDEX MAIN AUTHOR

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

FRONTIERS IN PHARMACOLOGY

2018 JOURNAL WOS MAIN AUTHOR

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

ARTIFICIAL CELLS, NANOMEDICINE, AND BIOTECHNOLOGY

2018 JOURNAL WOS MAIN AUTHOR

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

INTERNATIONAL CONFERENCE ON DRUG DISCOVERY AND TRANSLATIONAL MEDICINE 2018 (ICDDTM '18) ?SEIZING OPPORTUNITIES AND ADDRESSING CHALLENGES OF PRECISION MEDICINE

2018 PROCEEDING NON-INDEX MAIN AUTHOR

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

17TH ANNUAL SCIENTIFIC MEETING MALSEC IADR 2018

2018 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

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

4TH STUDENTS' DENTAL COLLOQUIUM

2017 | PROCEEDING | NON-INDEX | MAIN AUTHOR

21. A SUBCHRONIC TOXICITY STUDY OF KENAF SEED SUPERCRITICAL CARBON DIOXIDE-OIL IN SPRAGUE DAWLEY RATS

3RD PAN-ASIAN BIOMEDICAL SCIENCE CONFERENCE

2016 | PROCEEDING | NON-INDEX | MAIN AUTHOR

22. CYTOTOXIC ACTIVITY OF KENAF SEED OILS FROM SUPERCRITICAL CARBON DIOXIDE FLUID EXTRACTION TOWARDS HUMAN COLORECTAL CANCER (HT29) CELL LINES.

EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE

2013 | JOURNAL | WOS | MAIN AUTHOR

23. KENAF SEED SUPERCRITICAL FLUID EXTRACT REDUCES ABERRANT CRYPT FOCI FORMATION IN AZOXYMETHANE-INDUCED RATS.

EXPERIMENTAL AND TOXICOLOGIC PATHOLOGY

2012 | JOURNAL | WOS | MAIN AUTHOR

AWARDS/RECOGNITION

1. AN INNOVATIVE TEST KIT TO PREDICT CHILDHOOD CARIES

INNOVATION BANK CHALLENGE 2025

2025 | ANTARABANGSA | GOLD

2. WRITER OF THE MONTH

2024 | OTHERS

3. ACADEMIC ADVISOR

MAHSA UNIVERSITY

2024 | NATIONAL

4. ACADEMIC ADVISOR

UNIVERSITI SAINS ISLAM MALAYSIA

2024 | UNIVERSITY

5. ACADEMIC ADVISOR

UNIVERSITI SAINS ISLAM MALAYSIA

2024 | UNIVERSITY