

DR. NOR ZAIHANA BINTI ABDUL RAHMAN

PENSYARAH UNIVERSITI DS13

CONTACT

PHONE
03-42892457

E-MAIL
zaihana@usim.edu.my

FACULTY
Fakulti Pergigian

SUPERVISION

	COMPLETED	ONGOING
PhD	0	0
Master	1	0

AREAS OF EXPERTISE

Molecular Microbiology | Neurobiochemistry

ACADEMIC QUALIFICATION

2015 **PhD** - Pharmacology

2010 **Master** - Sains

2005 **B.Sc.** - Biotechnology

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 | MAIN RESEARCHER

2. INHIBITORY EFFECT OF PROBIOTICS AGAINST CANDIDA BIOFILM ON DENTURE SURFACE

2022 | BIDUNI MIZANNIYAH | COMPLETED | MAIN RESEARCHER

3. MOLECULAR CHARACTERIZATION OF PROBIOTIC INHIBITION PROPERTIES AGAINST PORPHYROMONAS GINGIVALIS

2019 | GERAN KPT | COMPLETED | MAIN RESEARCHER

4. DEVELOPMENT OF PROBIOTICS FOR CARRIES PREVENTION

2016 | GERAN PENYELIDIKAN TRANSLASIONAL | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. OROGENYX: RESTORING ORAL HEALTH

INNOVATION BANK CHALLENGE

2025 PROCEEDING NON-INDEX MAIN AUTHOR

2. MOLECULAR LINKS BETWEEN PERIODONTAL DISEASE AND ALZHEIMER?S DISEASE: A SYSTEMATIC REVIEW

INTERNATIONAL CONFERENCE ON MOLECULAR BIOLOGY AND BIOTECHNOLOGY

2025 PROCEEDING SCOPUS MAIN AUTHOR

3. PROBIOSHIELD: A NATURAL MOUTHWASH

INTERNATIONAL JOURNAL OF INNOVATION

2024 JOURNAL OTHER DATABASE MAIN AUTHOR

4. PROBIOSHIELD ORAL RINSE

INTERNATIONAL SCIENCE AND SOCIAL SCIENCE INNOVATION COMPETITION

2024 PROCEEDING NON-INDEX MAIN AUTHOR

5. THERAPEUTIC POTENTIAL OF NIGELLA SATIVA

BIOCHEMISTRY, NUTRITION, AND THERAPEUTICS OF BLACK CUMIN SEED

2022 CHAPTER IN BOOK MAIN AUTHOR

6. ISOLATION AND ANTIMCIROBIAL ACTIVITY OF LACTIC ACID BACTERIA AGAINST STREPTOCOCCUS MUTANS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2020 JOURNAL SCOPUS MAIN AUTHOR

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

FRONTIERS PHARMACOLOGY

2018 JOURNAL WOS MAIN AUTHOR

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

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

9. EFFECT OF PROBIOTICS ON ORAL HEALTH IN CHILDREN: A SYSTEMATIC REVIEW.

INTERNATIONAL CONFERENCE ON NATURAL SCIENCE AND HERITAGE FROM ISLAMIC PERSPECTIVE (INSPIRE) 2018

2018 PROCEEDING NON-INDEX MAIN AUTHOR

10. MITOGEN-ACTIVATED PROTEIN KINASE PHOSPHATASE-2 DELETION IMPAIRS SYNAPTIC PLASTICITY AND HIPPOCAMPAL-DEPENDENT MEMORY

JOURNAL OF NEUROSCIENCE

2015 JOURNAL WOS MAIN AUTHOR

11. ASTROCYTE GROWTH AND NEURITE LENGTH ARE REDUCED BUT INTRACELLULAR CALCIUM IS INCREASED IN MAP KINASE PHOSPHATASE 2 (MKP-2) KO MICE,

SIPBS ANNUAL RESEARCH SYMPOSIUM, UNIVERSITY OF STRATHCLYDE.

2014 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

12. MKP-2 DELETION RESULTS IN REDUCED ASTROCYTE PROLIFERATION AND NEURITE GROWTH BUT INCREASED SYNAPTIC ACTIVITY IN MOUSE HIPPOCAMPAL PRIMARY CULTURES.

11TH SCOTTISH NEUROSCIENCE MEETING

2014 PROCEEDING NON-INDEX MAIN AUTHOR

13. ASTROCYTE GROWTH AND NEURITE LENGTH ARE REDUCED BUT INTRACELLULAR CALCIUM IS INCREASED IN MAP KINASE PHOSPHATASE 2 (MKP-2) KO MICE

GLASGOW NEUROSCIENCE DAY 2014

2014 PROCEEDING NON-INDEX MAIN AUTHOR

14. MAP KINASE PHOSPHATASE 2 (MKP-2) DELETION REDUCES ASTROCYTE NUMBER AND NEURITE LENGTH BUT INCREASES BASAL SYNAPTIC TRANSMISSION.

FESTIVAL OF NEUROSCIENCE, LONDON.

2013 PROCEEDING NON-INDEX MAIN AUTHOR

15. ASTROCYTE PROLIFERATION AND NEURITE GROWTH ARE REDUCED IN MAP KINASE PHOSPHATASE 2 (MKP-2) KO MICE

10TH SCOTTISH NEUROSCIENCE MEETING

2013 PROCEEDING NON-INDEX MAIN AUTHOR

16. DETERMINING THE ROLE OF MKP-2 IN THE CNS

GLASGOW NEUROSCIENCE DAY

2013 PROCEEDING NON-INDEX MAIN AUTHOR

17. DETERMINING THE CONSEQUENCE OF MAP KINASE PHOSPHATASE 2 (MKP-2) DELETION ON CNS FUNCTION. 9TH SCOTTISH NEUROSCIENCE MEETING, DUNDEE.

9TH SCOTTISH NEUROSCIENCE MEETING, DUNDEE.

2012 PROCEEDING NON-INDEX MAIN AUTHOR

18. CYTOPROTECTIVE EFFECT OF LACTIC ACID BACTERIA.

8TH MPS PHARMACY SCIENTIFIC CONFERENCE 2008.

2008 PROCEEDING NON-INDEX MAIN AUTHOR

19. ORGANIC ACID PROFILE OF LACTIC ACID BACTERIA ISOLATED FROM FERMENTED FOOD

2ND INTERNATIONAL CONFERENCE ON EAST-WEST PERSPECTIVE ON FUNCTIONAL FOODS: SCIENCE, INNOVATIONS AND CLAIMS

2007 PROCEEDING NON-INDEX MAIN AUTHOR

20. EFFECT OF LACTIC ACID BACTERIA ON CANCER AND NORMAL CELL PROLIFERATION

2ND INTERNATIONAL CONFERENCE ON EAST-WEST PERSPECTIVE ON FUNCTIONAL FOODS: SCIENCE, INNOVATIONS AND CLAIMS

2007 PROCEEDING NON-INDEX MAIN AUTHOR

21. ISOLATION OF LACTIC ACID BACTERIA AS PROBIOTICS TO IMPROVE HUMAN HEALTH

3RD LIFE SCIENCE PENANG POSTGRADUATE CONFERENCE

2006 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

22. ACID AND BILE TOLERANCE OF LACTIC ACID BACTERIA AS PROBIOTICS FOR HUMANS

6TH MPS PHARMACY SCIENTIFIC CONFERENCE

2006 | PROCEEDING | NON-INDEX | MAIN AUTHOR

AWARDS/RECOGNITION

1. ANUGERAH PENULIS PROFILIK

2025 | INTERNATIONAL

2. BOOK MANUSCRIPT REVIEWER

USIM

2025 | UNIVERSITY

3. JOURNAL PEER REVIEWER (PEWASIT ARTIKEL JURNAL)

MALAYSIAN JOURNAL OF MEDICINE AND HEALTH SCIENCES

2025 | NATIONAL

4. OROGENYX: RESTORING ORAL HEALTH

INNOVATION BANK CHALLENGE 2025

2025 | ANTARABANGSA | SILVER

5. ACADEMIC ADVISOR

USIM

2024 | UNIVERSITY