



## DR. NOR ZAIHANA BINTI ABDUL RAHMAN

PENSYARAH UNIVERSITI DS13

### CONTACT

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### SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 1, Ongoing: 0

### AREAS OF EXPERTISE

Molecular Microbiology

Neurobiochemistry

### BIOGRAPHY

A lecturer from Fakulti Pergajian. Holds a Phd in Pharmacology.

### ACADEMIC QUALIFICATION

Phd in Pharmacology (2015)

Master in Sains (2010)

B.sc. in Biotechnology (2005)

### RESEARCH

1. DECIPHERING THE RELATIONSHIP BETWEEN ORAL PATHOGEN BURDEN AND COGNITIVE FUNCTION IN YOUNG MALAYSIAN ADULTS: A PILOT STUDY

2026 ON GOING MAIN RESEARCHER

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

2022 COMPLETED MAIN RESEARCHER

3. MOLECULAR CHARACTERIZATION OF PROBIOTIC INHIBITION PROPERTIES AGAINST PORPHYROMONAS GINGIVALIS

2019 COMPLETED MAIN RESEARCHER

4. DEVELOPMENT OF PROBIOTICS FOR CARRIES PREVENTION

2016 COMPLETED MAIN RESEARCHER

# PUBLICATION

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## 1. OROGENYX: RESTORING ORAL HEALTH

2025 PROCEEDING

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

2025 PROCEEDING

## 3. PROBIOSHIELD: A NATURAL MOUTHWASH

2024 JOURNAL

## 4. PROBIOSHIELD ORAL RINSE

2024 PROCEEDING

## 5. THERAPEUTIC POTENTIAL OF NIGELLA SATIVA

2022 CHAPTER IN BOOK

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

2020 JOURNAL

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

2018 JOURNAL

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

2018 PROCEEDING

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

2018 PROCEEDING

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

2015 JOURNAL

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

2014 PROCEEDING

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

2014 PROCEEDING

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

2014 PROCEEDING

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

2013 PROCEEDING

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

2013 PROCEEDING

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

2013 PROCEEDING

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

2012 PROCEEDING

## 18. CYTOPROTECTIVE EFFECT OF LACTIC ACID BACTERIA.

2008 PROCEEDING

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

2007 PROCEEDING

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

2007 PROCEEDING

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

2006 PROCEEDING

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

2006 PROCEEDING

## AWARDS/RECOGNITION

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### 1. ANUGERAH PENULIS PROFILIK

2025 INTERNATIONAL

### 2. BOOK MANUSCRIPT REVIEWER

2025 UNIVERSITY

### 3. JOURNAL PEER REVIEWER (PEWASIT ARTIKEL JURNAL)

2025 NATIONAL

### 4. OROGENYX: RESTORING ORAL HEALTH

2025 Antarabangsa Silver

### 5. ACADEMIC ADVISOR

2024 UNIVERSITY