

PROF. MADYA DR. NUR ATHIRAH MOHD TAIB

PENSYARAH UNIVERSITI DS14

CONTACT

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FACULTY

Fakulti Sains Dan Teknologi

SUPERVISION

	COMPLETED	ONGOING
PhD	0	2
Master	2	1

AREAS OF EXPERTISE

- Fibre Optics And Waveguides Physics
- Optical/photonic Sensor

ACADEMIC QUALIFICATION

2015 **PhD** - Physics (laser Technology)

2011 **Bachelor** - Industrial Physics

RESEARCH

1. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

2024 | GERAN PEMBANGUNAN INOVASI (GPI) | ON GOING | MAIN RESEARCHER

2. HYBRID ZNO NANOPARTICLES-BIOCHAR MATERIALS IN PHOTOCATALYTIC OPTICAL FIBER SENSOR FOR WASTEWATER TREATMENT APPLICATION

2023 | GERAN PENYELIDIKAN USIM | ON GOING | MAIN RESEARCHER

3. TENSIOMETRIC SURFACE MEASUREMENT BY FIBER OPTIC DISPLACEMENT SENSOR FOR MEDICAL DIAGNOSTIC

2017 | GERAN KPT | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. PHOTOCATALYTIC DYE DEGRADATION OF AN OPTICAL FIBER SENSOR COATED WITH VARYING THICKNESS OF ZNO/BIOCHAR NANOPARTICLES

INTERNATIONAL SCIENCE, ENGINEERING AND TECHNOLOGY COLLOQUIUM 2024

2024 PROCEEDING NON-INDEX MAIN AUTHOR

2. INSTRUMENTATION ANALYSIS OF FODS PERFORMANCE THROUGH BUNDLED PROBES AND LIGHT SOURCES

11TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY 2022

2023 PROCEEDING NON-INDEX MAIN AUTHOR

3. OPTICAL SENSOR RESPONSE TOWARDS HYDROGEN PEROXIDE IN LOW FAT AND FULL CREAM MILK

INTERNATIONAL LASER TECHNOLOGY AND OPTICS SYMPOSIUM 2022 (ILATOS 2022)

2023 PROCEEDING NON-INDEX MAIN AUTHOR

4. THE ADVANCEMENT OF SEMICONDUCTOR MATERIALS AND DEVICES IN AGRICULTURE

2023 BOOK MAIN AUTHOR

5. TRENDS OF SEMICONDUCTOR FABRICATION AND APPLICATION

2022 BOOK MAIN AUTHOR

6. A REVIEW ON SURFACE TENSION MEASUREMENTS BY OPTICAL METHOD FOR MEDICAL APPLICATION

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2019 JOURNAL OTHERS DATABASE MAIN AUTHOR

7. URIC ACID DETECTION BY USING CONTACTLESS INTENSITY MODULATION BASED DISPLACEMENT SENSOR

JOURNAL OF PHYSICS.: CONFERENCE SERIES

2019 JOURNAL SCOPUS MAIN AUTHOR

8. MULTI-WALLED CARBON NANOTUBES SATURABLE ABSORBER IN Q-SWITCHING FLASHLAMP PUMPED ND:YAG LASER

OPTICS & LASER TECHNOLOGY

2016 JOURNAL SCOPUS MAIN AUTHOR

9. THE EFFECTS OF TEMPORAL DELAY ON THE PERFORMANCE OF AN ELECTRO-OPTIC Q-SWITCHED ND:YAG LASER

OPTOELECTRONICS AND ADVANCED MATERIALS ? RAPID COMMUNICATIONS

2015 JOURNAL WOS MAIN AUTHOR

CONSULTATION

1. PANEL HAKIM REKABENTUK BANDAR TEKNOLOGI HIJAU PERINGKAT WILAYAH PERSEKUTUAN PUTRAJAYA 2018

KEMENTERIAN PENDIDIKAN MALAYSIA

2018 NATIONAL

2. KARNIVAL STEM PERINGKAT TAMPIN 2018

TAMPIN

2018 OTHERS

CONSULTATION

3. KHIDMAT PERUNDINGAN DALAM FIBER OPTIK KEPADA BAHAGIAN TELEKOMUNIKASI ILP PEDAS

INSTITUT LATIHAN PERINDUSTRIAN PEDAS, NEGERI SEMBILAN

National

AWARDS/RECOGNITION

1. STAF CONTOH APRIL 2025

2025 UNIVERSITY

2. ANUGERAH INOVASI

2025 UNIVERSITY

3. ANUGERAH PENERBITAN BUKU ILMIAH

2025 UNIVERSITY

4. ANUGERAH PENERBITAN JURNAL BERINDEKS

2025 UNIVERSITY

5. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2025 UNIVERSITY