Profile Image

DR. MUHAMMAD AZAN BIN TAMAR JAYA

PENSYARAH UNIVERSITI DS13

CONTACT

PHONE

N/A

E-MAIL

azan@usim.edu.my

FACULTY

Kolej Permata Insan

SUPERVISION

	COMPLETED	ONGOING
PhD	0	0
Master	0	0

AREAS OF EXPERTISE

Other Materials Synthesis And Processing N.e.c

Sorption

Carbon And Activated Carbon

ACADEMIC QUALIFICATION

2018 **PhD** - Kimia

2011 **Master** - Kejuruteraan Kimia

2008 **Bachelor** - Kejuruteraan (kimia)

RESEARCH

1. **ADSORPTION MECHANISM OF AMMONIA BY POROUS CARBONIZED HOLLOW FIBER POLYMER**

2024 | GERAN KPT | ON GOING | MAIN RESEARCHER

2. **ADSORPTIVE SEPARATION UTILIZING SURFACE-MODIFIED CLINOPTILOLITE AND ACID-TREATED CLINOPTILOLITE IN TREATING PALM OIL MILL EFFLUENT (POME)**

2019 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. RECENT ADVANCES IN METHYLENE BLUE ADSORPTION USING CLINOPTILOLITE: MECHANISMS, MODIFICATIONS, AND FUTURE PERSPECTIVES

IOP CONFERENCE SERIES: EARTH AND ENVIRONMENTAL SCIENCE

2025 JOURNAL OTHER DATABASE MAIN AUTHOR

2. INTEGRATING NAQLI AND AQLI KNOWLEDGE IN MATHEMATICS EDUCATION: QIBLA DETERMINATION USING TONGKAT ISTIWA'

7TH INTERNATIONAL RESEARCH CONFERENCE ON HUMANITIES, SOCIAL SCIENCES AND TECHNOLOGY 2025 (7TH IRCHST 2025)

2025 PROCEEDING NON-INDEX MAIN AUTHOR

3. INTEGRATING NAQLI APPROACHES IN MATHEMATICS LEARNING: DETERMINING THE QIBLAT DIRECTION USING SPHERICAL TRIGONOMETRY

7TH INTERNATIONAL RESEARCH CONFERENCE ON HUMANITIES, SOCIAL SCIENCES AND TECHNOLOGY 2025 (7TH IRCHST 2025)

2025 PROCEEDING NON-INDEX MAIN AUTHOR

4. POLYMER FORMULATION USED INCARBON MEMBRANE SYNTHESIS ANDPERFORMANCE EVALUATION

ASIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2023 JOURNAL OTHER DATABASE MAIN AUTHOR

5. POLYMER FORMULATION USED IN CARBON MEMBRANE SYNTHESIS AND PERFORMANCE EVALUATION

3RD KUALA LUMPUR INTERNATIONAL CONFERENCE ON MANAGEMENT, EDUCATION AND TECHNOLOGY(KLIMET 2022)

2022 PROCEEDING NON-INDEX MAIN AUTHOR

6. SYNTHESIS AND O2/N2 PERFORMANCE EVALUATION OF HOLLOW FIBER CARBON MEMBRANE OF 2,6-DIMETHYL-1,4-PHENYLENE OXIDE

4TH ASNET INTERNATIONAL MULTIDISCIPLINARY ACADEMIC CONFERENCE 2021 (AIMAC 2021)

2021 PROCEEDING NON-INDEX MAIN AUTHOR

7. CLINOPTILOLITE WITH ITS MODIFICATION WITH DIFFERENT TYPES OF SURFACTANTS

RESEARCH AND INNOVATION: EDUCATION, TECHNOLOGY AND PERFORMANCE MANAGEMENT

2021 CHAPTER IN BOOK MAIN AUTHOR

8. SURFACTANT FUNCTIONALIZATION OF CLINOPTILOLITE AND THEIR RECENT APPLICATION IN ADSORPTION

INTERNATIONAL CONFERENCE ON RESEARCH AND PRACTICES IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES 2020

2020 PROCEEDING NON-INDEX MAIN AUTHOR

9. HOLLOW FIBER CARBON MEMBRANE SYNTHESIZED FROM PPO POLYMER FOR O2/N2 BINARY SEPARATION

INTERNATIONAL CONFERENCE ON RESEARCH AND PRACTICES IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES 2020

2020 PROCEEDING NON-INDEX MAIN AUTHOR

10. ROBESON?S UPPERBOUND-ORIENTED ENHANCEMENT OF PERFORMANCE OF HOLLOW FIBER CARBON MEMBRANE FOR H2/N2 IDEAL SEPARATION

MELAKA INTERNATIONAL CONFERENCE ON SOCIAL SCIENCES, SCIENCE AND TECHNOLOGY 2019 (MIC3ST 2019)

2019 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

11. ENHANCING CO2/CH4 SEPARATION USING PPO-DERIVED HOLLOW FIBER CARBON MEMBRANE

KUALA LUMPUR INTERNATIONAL CONFERENCE ON MULTI-DISCIPLINARY RESEARCH (KLIC2019)

2019 PROCEEDING NON-INDEX MAIN AUTHOR

12. PHYSICAL TREATMENT TECHNOLOGY FOR LANDFILL LEACHATE

CONTROL AND TREATMENT OF LANDFILL LEACHATE FOR SANITARY WASTE DISPOSAL

2016 CHAPTER IN BOOK MAIN AUTHOR

AWARDS/RECOGNITION

1. INVESTIGATING THE POTENTIAL OF ACTIVATED CARBON FROM PISTACHIO SHELL TO TREAT DYE MATERIALS IN WASHING MACHINE WASTE WATER: REMOVAL OF METHYL ORANGE DYE

INSAN Junior Researchers International Conference (iJURECON 2025)

2025 ANTARABANGSA SILVER

2. DEVELOPMENT OF PELLETIZED SURFACTANT-MODIFIED CLINOPTILOLITE FOR CONGO RED ADSORPTION

CREATIONS de UiTM: INTERNATIONAL MEGA INNOVATION CARNIVAL (CDU 2024)

2024 ANTARABANGSA SILVER

3. BEST PAPER AWARD

2020 INTERNATIONAL

4. STAF CONTOH (KATEGORI AKADEMIK)

2020 UNIVERSITY

5. ANUGERAH BEST WRITE-UP CATEGORY SECONDARY SCHOOL, SEBAGAI GURU PEMBIMBING

2020 NATIONAL