



DR. SHAHINO MAH BIN ABDULLAH

PENSYARAH UNIVERSITI DS13

CONTACT

Phone: 0197883473

E-mail:
shahinomah@usim.edu.my

Faculty: Fakulti Sains
Dan Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 1

Master - Completed: 1,
Ongoing: 10

AREAS OF EXPERTISE

Semiconductor Materials And Devices Physics

Principles Of Solar Cells And Devices

Solid State And Polymer Electrolyte Physics

ACADEMIC QUALIFICATION

PhD in Fizik (2015)

Bachelor in Fizik (2011)

RESEARCH

1. ELUCIDATING THE STRUCTURE?FUNCTION RELATIONSHIPS IN BACTERIAL NANOCELLULOSE?PEG COMPOSITES FOR FOOD PACKAGING

2026 GERAN PENYELIDIKAN FUNDAMENTAL ON GOING CO-RESEARCHER

2. A FUNDAMENTAL STUDY ON THE PRICE DYNAMICS OF REITS AND STOCKS USING ECONOPHYSICS AND MACHINE LEARNING

2026 GERAN PENYELIDIKAN FUNDAMENTAL ON GOING CO-RESEARCHER

3. SYNTHESIS OF NARROW ENERGY BAND GAP TRIISOPROPYLSILYLETHYNYL-PENTACENE DERIVATIVES TO ENHANCE CHARGE CARRIER TRANSPORT OF THE ORGANIC FIELD-EFFECT TRANSISTOR (OFET) BASED BIOSENSORS

2024 GERAN KPT ON GOING MAIN RESEARCHER

4. HALAL FOOD CRIMES PREDICTION, MONITORING, AND COMPLIANCE TRANSPARENCY MODEL THROUGH THE INTEGRATION OF ARTIFICIAL INTELLIGENCE (AI) AND DIGITAL FORENSIC TECHNOLOGIES

2024 GERAN PENYELIDIKAN USIM ON GOING CO-RESEARCHER

5. THE DEVELOPMENT OF INTERACTIVE MOBILE APPLICATION OBSTETRIC MANNEQUIN TRAINER USING 3D PRINTING

2024

GERAN PENYELIDIKAN INDUSTRI

ON GOING

CO-RESEARCHER

RESEARCH

6. THE DEVELOPMENT OF INTERACTIVE MOBILE APPLICATION OBSTETRIC MANNEQUIN TRAINER USING 3D PRINTING

2024 GERAN KPT ON GOING CO-RESEARCHER

7. ENERGY BAND GAP MODIFICATION OF SEMICONDUCTING POLYMERS TO ENHANCE CHARGE CARRIER TRANSPORT OF THE FIELD-EFFECT TRANSISTOR BIOSENSOR FOR RAPID ARTIFICIAL INTELLIGENCE OF THINGS (AIOT) MONITORING

2023 GERAN PENYELIDIKAN USIM ON GOING MAIN RESEARCHER

8. FABRICATION AND APPLICATION OF FLEXIBLE AND WEARABLE DEVICES

2023 GERAN ANTARABANGSA ON GOING CO-RESEARCHER

PUBLICATION

1. LOW-COST 3D-PRINTED FLOW CELL BIOSENSOR FOR PATHOGENIC ESCHERICHIA COLI BACTERIA DETECTION

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

2. STUDY OF NARROW ENERGY BAND GAP POLYMER MATRIX FOR ORGANIC FIELD-EFFECT TRANSISTOR-BASED BIOSENSOR

INTERNATIONAL CONFERENCE AND INNOVATION ON EDUCATION, SCIENCE & TECHNOLOGY 2025

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

3. PEROVSKITE-BASED SOLAR CELL FOR AMBIENT AND LOW-LIGHT ENERGY HARVESTING

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

4. PORTABLE 3D PRINTED SOLAR TRACKER WITH REAL-TIME DATA VISUALIZATION SYSTEM

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

5. INVESTIGATION OF CONJUGATED POLYMER MATRICES FOR ENHANCED OFET-BASED BIOSENSING

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

6. PEROVSKITE PHOTODETECTOR FOR HIGH SPEED AND SECURE LI-FI WIRELESS DATA TRANSMISSION

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

7. BIOPHYSICAL MECHANISMS OF APTAMER AND SHIGA TOXIN INTERACTION FOR APTAMER-BASED BIOSENSOR DETECTION: IN-SILICO ANALYSIS

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

8. FABRICATION OF 3D-PRINTED FLOW CELL BIOSENSOR FOR PATHOGENIC ESCHERICHIA COLI BACTERIA DETECTION

INTERNATIONAL CONFERENCE AND INNOVATION ON EDUCATION, SCIENCE & TECHNOLOGY 2025

2025 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

9. STUDY OF BIOPHYSICAL MECHANISMS OF APTAMER-BASED BIOSENSOR FOR DETECTION OF ESCHERICHIA COLI O157:H7

INTERNATIONAL CONFERENCE AND INNOVATION ON EDUCATION, SCIENCE & TECHNOLOGY 2025

2025 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

10. FABRICATION OF SOLUTION-PROCESSED PEROVSKITE SOLAR CELLS FOR LOW-LIGHT ENERGY HARVESTING APPLICATIONS

INTERNATIONAL CONFERENCE AND INNOVATION ON EDUCATION, SCIENCE & TECHNOLOGY 2025

2025 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

11. MACHINE LEARNING PREDICTIONS OF STOCK MARKET PATTERN USING ECONOPHYSICS APPROACH

INNOVATION IN ACTION: TURNING IDEAS INTO REALITY

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

12. PEROVSKITE PHOTODETECTOR FOR HIGH SPEED AND SECURE LI-FI WIRELESS DATA TRANSMISSION

INNOVATION IN ACTION: TURNING IDEAS INTO REALITY

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

13. PORTABLE DUAL-AXIS SOLAR TRACKING SYSTEM WITH 3D PRINTED STRUCTURE AND IOT BASED REAL-TIME ENERGY MONITORING

INNOVATION IN ACTION: TURNING IDEAS INTO REALITY

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

PUBLICATION

14. FLEXIBLE PIEZO ELECTRIC ENERGY HARVESTER

INNOVATION IN ACTION: TURNING IDEAS INTO REALITY

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

15. FABRICATION OF ORGANIC FIELD-EFFECT TRANSISTOR (OFET)-BASED BIOSENSOR

INNOVATION IN ACTION: TURNING IDEAS INTO REALITY

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

16. DISPOSABLE 3D-PRINTED FLOW CELL BIOSENSOR FOR PATHOGENIC ESCHERICHIA COLI BACTERIA DETECTION.

INNOVATION IN ACTION: TURNING IDEAS INTO REALITY

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

17. MOLECULAR DOCKING STUDY OF APTAMER-BASED BIOSENSOR FOR DETECTION OF SHIGA TOXIN (STX) PROTEIN FROM ESCHERICHIA COLI O157:H7.

INNOVATION IN ACTION: TURNING IDEAS INTO REALITY

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

18. PEROVSKITE SOLAR CELLS FOR ENERGY HARVESTING IN LOW-LIGHT ENVIRONMENTS.

INNOVATION IN ACTION: TURNING IDEAS INTO REALITY

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

19. GREEN SUKUK: LEVERAGING ISLAMIC FINANCE FOR ECOLOGICAL SUSTAINABILITY

ISLAMIC GREEN FINANCE: TOWARDS ETHICAL AND ENVIRONMENTALLY RESPONSIBLE INVESTING

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

20. MXENES IN ADDITIVE MANUFACTURING: ECO-FRIENDLY PRODUCTION PROCESS

MXENES FOR SUSTAINABLE DEVELOPMENT: COMPREHENSIVE INSIGHTS AND INNOVATIVE APPLICATIONS

2025 CHAPTER IN BOOK CO-AUTHOR

21. APTES FUNCTIONALIZATION OF CGNP ELECTROCHEMICAL IMMUNOSENSOR FOR DETECTION OF IMMUNOGLOBULIN G

INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING

2024 JOURNAL ERA CO-AUTHOR

22. INVESTIGATING ENHANCED ELECTRICAL CONDUCTIVITY FOR ANTENNA APPLICATIONS THROUGH DUAL METALLIZATION ON 3D PRINTED SLA SUBSTRATES

RESULTS IN ENGINEERING

2024 JOURNAL WOS CO-AUTHOR

23. THE STUDY OF DEGRADATION AND MECHANICAL PROPERTIES OF POLY(LACTIC) ACID (PLA) BASED 3D PRINTED FILAMENT

ENGINEERING RESEARCH EXPRESS

2024 JOURNAL WOS CO-AUTHOR

24. FACILE FABRICATION OF A LOW-COST ELECTROCHEMICAL TEMPERATURE SENSOR

ENGINEERING FRONTIERS: A MULTIDISCIPLINARY ODYSSEY

2024 CHAPTER IN BOOK MAIN AUTHOR

25. PORTABLE DUAL-AXIS SOLAR TRACKER WITH IOT ENERGY MONITORING SYSTEM FOR REMOTE AND OUTDOOR APPLICATIONS

DEVELOPMENT RESEARCH & INNOVATION SERIES 13. BRIDGING BORDERS: GLOBAL INNOVATIONS FOR SUSTAINABLE DEVELOPMENT

2024 CHAPTER IN BOOK CORRESPONDING AUTHOR

26. CAR CABIN MONITORING SYSTEM FOR ENERGY SAVING AND SAFETY APPLICATIONS

DEVELOPMENT RESEARCH & INNOVATION SERIES 13. BRIDGING BORDERS: GLOBAL INNOVATIONS FOR SUSTAINABLE DEVELOPMENT

2024 CHAPTER IN BOOK CORRESPONDING AUTHOR

PUBLICATION

27. NATURE-INSPIRED LIGHT WIND ENERGY HARVESTER USING PIEZOELECTRIC FILM FOR SENSING APPLICATIONS

DEVELOPMENT RESEARCH & INNOVATION SERIES 13. BRIDGING BORDERS: GLOBAL INNOVATIONS FOR SUSTAINABLE DEVELOPMENT

2024 CHAPTER IN BOOK CORRESPONDING AUTHOR

28. ELECTRICAL, THERMAL, AND STRUCTURAL CHARACTERIZATION OF PLANT-BASED 3D PRINTED GEL POLYMER ELECTROLYTES FOR FUTURE ELECTROCHEMICAL APPLICATIONS

POLYMERS

2023 JOURNAL ERA CO-AUTHOR

29. MECHANICAL AND STRUCTURAL PROPERTIES OF POLYHYDROXYBUTYRATE AS ADDITIVE IN BLEND MATERIAL IN ADDITIVE MANUFACTURING FOR MEDICAL APPLICATIONS

POLYMERS

2023 JOURNAL ERA CO-AUTHOR

30. THE 3D PRINTABILITY AND MECHANICAL PROPERTIES OF POLYHYDROXYBUTYRATE (PHB) AS ADDITIVES IN URETHANE DIMETHACRYLATE (UDMA) BLENDS POLYMER FOR MEDICAL APPLICATION

POLYMERS

2022 JOURNAL ERA CO-AUTHOR

31. THE POST-PANDEMIC IMPACT ON NATURE AND THE NEED FOR SUSTAINABLE RECOVERY STRATEGIES

ISLAM AND CIVILISATIONAL RENEWAL:

2022 JOURNAL ERA MAIN AUTHOR

32. CHALLENGES OF A CIRCULAR ECONOMY FOR POST-PANDEMIC ENVIRONMENTAL RECOVERY

ISLAM AND CIVILISATIONAL RENEWAL:

2022 JOURNAL ERA MAIN AUTHOR

33. SUSTAINABLE IOT-BASED ENVIRONMENTAL AND INDUSTRIAL MONITORING SYSTEM

ADVANCED TRANSDISCIPLINARY ENGINEERING AND TECHNOLOGY

2022 CHAPTER IN BOOK CO-AUTHOR

AWARDS/RECOGNITION

1. MULTI-CLASS CLASSIFICATION OF BRAIN CONDITIONS FROM USING MACHINE LEARNING

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC), 2026

2026 ANTARABANGSA SILVER

2. PEROVSKITE SOLAR CELL WITH FACILE FABRICATION FOR AMBIENT ENERGY HARVESTING

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC), 2026

2026 ANTARABANGSA GOLD

3. BIOSPECTRO APPS: SPECTROPHOTOMETER APPLICATION FOR WATER MONITORING BASED ON DETECTION OF CHANGES IN WAVELENGTH

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC), 2026

2026 ANTARABANGSA SILVER

4. PORTABLE SMART SOLAR TRACKER WITH IOT-BASED REAL-TIME ENERGY MONITORING FOR EMERGENCY APPLICATIONS

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC), 2026

2026 ANTARABANGSA GOLD

5. ANUGERAH PERKHIDMATAN CEMERLANG

2025 UNIVERSITY

6. ANUGERAH PENERBITAN BAB DALAM BUKU

2025 UNIVERSITY

7. ANUGERAH PENYELIA POPULAR

2025 UNIVERSITY

8. ANUGERAH PENULISAN POPULAR

2025 UNIVERSITY

9. ANUGERAH E-NILAI TERBAIK

2025 UNIVERSITY

10. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2025 UNIVERSITY

11. ANUGERAH PENERBITAN JURNAL BERINDEKS WOS/SCOPUS/MYCITE

2025 UNIVERSITY

12. ANUGERAH PENCAPAIAN RPI (RESEARCH PERFORMANCE INDEX) TERTINGGI (10 TERBAIK)

2025 UNIVERSITY

13. ANUGERAH PENINGKATAN SITASI PENYELIDIKAN TERTINGGI (10 TERBAIK)

2025 UNIVERSITY

14. ANUGERAH INOVASI

2025 UNIVERSITY

AWARDS/RECOGNITION

15. ANUGERAH PEMFAILAN HARTA INTELEK

2025 UNIVERSITY

16. ANUGERAH MAKALAH JURNAL TERBAIK (SAINS DAN TEKNOLOGI)

2025 UNIVERSITY

17. ANUGERAH STAF CONTOH BULANAN (FEBRUARI 2025)

2025 UNIVERSITY

18. S.M.O.A.Q (SMART MONITORING OF AIR QUALITY)

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

19. RES-Q TRACKER: IOT-BASED FLOOD ASSISTING SYSTEM

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

20. LIFI-ILLUMINATING THE FUTURE OF SECURE AND SUSTAINABLE WIRELESS COMMUNICATION

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

21. PORTABLE 3D PRINTED DUAL-AXIS SOLAR TRACKER WITH IOT REAL-TIME ENERGY MONITORING SYSTEM

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

22. STUDY OF STOCK MARKET PATTERN USING ECONOPHYSICS APPROACH

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

23. FLOOD SENSE: IOT-BASED FLOOD DETECTION SYSTEM

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA SILVER

24. DEVELOPMENT OF FLEXIBLE PIEZOELECTRIC PRESSURE SENSOR FOR ENHANCED CONTROL OF ROBOT GRIPPERS

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

25. SPORAX: SMART MOLD PREVENTION BY USING AUTOMATIC FAN

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA SILVER

26. INTELLISHIELD IOT-BASED SMART CIRCUIT BREAKER FOR ENHANCED FIRE AND GAS LEAKAGE SAFETY

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA SILVER

27. PEROVSKITE SOLAR CELLS FOR ENERGY HARVESTING IN LOW-LIGHT ENVIRONMENTS

INVENTOPIA 2025: FBM-SEREMBAN INTERNATIONAL INNOVATION COMPETITION (FBM-SIIC)

2025 ANTARABANGSA GOLD

28. FABRICATION OF ORGANIC FIELD-EFFECT TRANSISTOR-BASED BIOSENSOR

INVENTOPIA 2025: FBM-SEREMBAN INTERNATIONAL INNOVATION COMPETITION (FBM-SIIC)

2025 ANTARABANGSA GOLD

AWARDS/RECOGNITION

29. DISPOSABLE 3D-PRINTED FLOW CELL BIOSENSOR FOR PATHOGENIC ESCHERICHIA COLI BACTERIA DETECTION

INVENTOPIA 2025: FBM-SEREMBAN INTERNATIONAL INNOVATION COMPETITION (FBM-SIIC)

2025 ANTARABANGSA GOLD

30. PORTABLE DUAL-AXIS SOLAR TRACKING SYSTEM WITH 3D PRINTED STRUCTURE AND IOT-BASED REAL-TIME ENERGY MONITORING

INVENTOPIA 2025: FBM-SEREMBAN INTERNATIONAL INNOVATION COMPETITION (FBM-SIIC)

2025 ANTARABANGSA GOLD

31. PEROVSKITE PHOTODETECTOR FOR HIGH SPEED AND SECURE LI-FI WIRELESS DATA TRANSMISSION

INVENTOPIA 2025: FBM-SEREMBAN INTERNATIONAL INNOVATION COMPETITION (FBM-SIIC)

2025 ANTARABANGSA GOLD

32. MACHINE LEARNING PREDICTIONS OF STOCK MARKET PATTERN USING ECONOPHYSICS APPROACH

INVENTOPIA 2025: FBM-SEREMBAN INTERNATIONAL INNOVATION COMPETITION (FBM-SIIC)

2025 ANTARABANGSA SILVER

33. MOLECULAR DOCKING STUDY OF APTAMER-BASED BIOSENSOR FOR DETECTION OF SHIGA TOXIN (STX) PROTEIN FROM ESCHERICHIA COLI O157:H7

INVENTOPIA 2025: FBM-SEREMBAN INTERNATIONAL INNOVATION COMPETITION (FBM-SIIC)

2025 ANTARABANGSA SILVER

34. PEROVSKITE BASED SOLAR CELLS FOR AMBIENT AND LOW-LIGHT ENERGY HARVESTING

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 KEBANGSAAN GOLD

35. BIOPHYSICAL MECHANISMS OF APTAMER AND SHIGA TOXIN INTERACTION FOR APTAMER-BASED BIOSENSOR DETECTION: IN-SILICO ANALYSIS

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 KEBANGSAAN GOLD

36. PEROVSKITE PHOTODETECTOR FOR HIGH SPEED AND SECURE LI-FI WIRELESS DATA TRANSMISSION

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 KEBANGSAAN GOLD

37. LOW-COST 3D-PRINTED FLOW CELL BIOSENSOR FOR PATHOGENIC ESCHERICHIA COLI BACTERIA DETECTION

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 KEBANGSAAN SILVER

38. MILKFRESHLY: ENSURING MILK FRESHNESS ANYTIME

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

39. PORTABLE 3D PRINTED SOLAR TRACKER WITH REAL-TIME DATA VISUALIZATION SYSTEM

MALAYSIA INVENTION & INNOVATION EXPO 2025

2025 KEBANGSAAN GOLD

40. FLEXIBLE PIEZOELECTRIC ENERGY HARVESTER

INVENTOPIA 2025: FBM-SEREMBAN INTERNATIONAL INNOVATION COMPETITION (FBM-SIIC)

2025 ANTARABANGSA GOLD

41. SILVER AWARD - INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC) 2024. (TITLE: FABRICATION OF FACILE VISIBLE LIGHT TRANSMISSION (VLT) MEASURING DEVICE FOR AUTOMOTIVE SAFETY AND ENERGY SAVING APPLICATIONS)

2024 INTERNATIONAL

AWARDS/RECOGNITION

43. GOLD AWARD - INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC) 2024. (TITLE: STUDY OF NATURED-INSPIRED WIND ENERGY HARVESTING BASED ON PIEZOELECTRICITY FOR SENSING APPLICATIONS)

2024 INTERNATIONAL

44. GOLD AWARD - INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC) 2024. (TITLE: DEVELOPMENT OF SOLAR ENERGY MONITORING DEVICE WITH REAL- TIME DATA VISUALISATION AND ACQUISITION FOR PORTABLE DUAL-AXIS SOLAR TRACKER)

2024 INTERNATIONAL

45. DEVELOPMENT OF SOLAR ENERGY MONITORING DEVICE WITH REAL-TIME DATA VISUALISATION AND ACQUISITION FOR PORTABLE DUAL-AXIS SOLAR TRACKER?

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC) 2024

2024 ANTARABANGSA GOLD

46. STUDY OF NATURED-INSPIRED WIND ENERGY HARVESTING BASED ON PIEZOELECTRICITY FOR SENSING APPLICATIONS

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC) 2024

2024 ANTARABANGSA GOLD

47. FABRICATION OF FACILE VISIBLE LIGHT TRANSMISSION (VLT) MEASURING DEVICE FOR AUTOMOTIVE SAFETY AND ENERGY SAVING APPLICATIONS

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC) 2024

2024 ANTARABANGSA SILVER

48. SMART DIGITAL SUTRAH

CREATIVITY & INNOVATIVE TECHNOLOGY COMPETITION (CITEC) 2024

2024 KEBANGSAAN GOLD

49. NATURE-INSPIRED PORTABLE DUAL-AXIS SOLAR TRACKER WITH LOT ENERGY MONITORING SYSTEM

CREATIVITY & INNOVATIVE TECHNOLOGY COMPETITION (CITEC) 2024

2024 KEBANGSAAN GOLD

50. PORTABLE SMART SOLAR TRACKER WITH IOT ENERGY MONITORING SYSTEM

MALAYSIA INVENTION & INNOVATION EXPO (MIIX) 2024

2024 KEBANGSAAN GOLD

51. SMART DIGITAL SUTRAH

MALAYSIA INVENTION & INNOVATION EXPO (MIIX) 2024

2024 KEBANGSAAN GOLD

52. NATURE-INSPIRED LIGHT WIND ENERGY HARVESTER USING PIEZOELECTRIC FILM

MALAYSIA INVENTION & INNOVATION EXPO (MIIX) 2024

2024 KEBANGSAAN SILVER

53. NATURE-INSPIRED LIGHT WIND ENERGY HARVESTER USING PIEZOELECTRIC FILM FOR SENSING APPLICATIONS

1st International Development Research & Innovation Virtual Exhibition (IDRIVE)

2024 ANTARABANGSA SILVER

54. CAR CABIN MONITORING SYSTEM FOR ENERGY SAVING AND SAFETY APPLICATIONS

1st International Development Research & Innovation Virtual Exhibition (IDRIVE)

2024 ANTARABANGSA SILVER

55. NATURE-INSPIRED SMALL WIND ENERGY HARVESTING FOR SENSOR APPLICATIONS USING PIEZOELECTRIC TECHNOLOGY

KUALA LUMPUR INTERNATIONAL INVENTION & INNOVATION SYMPOSIUM 2024

2024 ANTARABANGSA SILVER

56. SMART DIGITAL SUTRAH

KUALA LUMPUR INTERNATIONAL INVENTION & INNOVATION SYMPOSIUM 2024

2024

ANTARABANGSA

GOLD

AWARDS/RECOGNITION

57. SMART PORTABLE DUAL-AXIS SOLAR TRACKER WITH REAL-TIME ENERGY MONITORING AND DATA VISUALISATION SYSTEM

INTERNATIONAL INNOVATION COMPETITION (IIC 2024)

2024 ANTARABANGSA GOLD

58. UMMI BELLY INTERACT

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD

59. DEVELOPMENT OF PIEZOELECTRIC PRESSURE SENSOR FOR ENHANCED CONTROL OF ROBOT GRIPPERS IN MEDICAL APPLICATION

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

60. BIOCAST

INNOMed Innovation Pitching 2024

2024 ANTARABANGSA GOLD

61. UMMI-BELLY MOBILE APP

VIRTUAL INNOVATION COMPETITION 2024

2024 ANTARABANGSA GOLD

62. UMMY-BELLY MOBILE APPLICATION

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI GOLD

63. DEVELOPMENT OF HIGH-SENSITIVITY, LOW-POWER GAS SENSORS FOR ENVIRONMENTAL MONITORING AND INDUSTRIAL APPLICATIONS USING ADVANCED MATERIALS

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI SILVER

64. SMART MONITORING AND ANALYSIS FOR REAL-TIME ENVIRONMENTAL AND INDUSTRIAL PROTECTION (SMART-PRO)

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI GOLD

65. DEVELOPMENT OF FLEXIBLE PIEZOELECTRIC PRESSURE SENSOR FOR ENHANCED CONTROL OF ROBOT GRIPPERS IN MEDICAL APPLICATIONS

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI GOLD

66. PORTABLE DUAL-AXIS SOLAR TRACKER WITH IOT ENERGY MONITORING SYSTEM FOR REMOTE AND OUTDOOR APPLICATIONS

1st International Development Research & Innovation Virtual Exhibition (IDRIVE)

2024 ANTARABANGSA GOLD

67. ANUGERAH INTELEKTUAL AWAM (SAINS & TEKNOLOGI)

2023 UNIVERSITY

68. BIOCAST: AN INNOVATIVE BIO BASED 3D PRINTED CAST

INVENTOPIA 2023: FBM-SEREMBAN INTERNATIONAL INNOVATION COMPETITION (FBM-SIIC)

2023 ANTARABANGSA GOLD

69. NATURE-INSPIRED PORTABLE DUAL-AXIS ORIGAMI SOLAR TRACKER WITH IOT ENERGY MONITORING SYSTEM

INNOVATION BANK CHALLENGE 2023 (IBC2023)

2023 UNIVERSITI SILVER

70. NATURE-INSPIRED PORTABLE DUAL-AXIS ORIGAMI SOLAR TRACKER WITH IOT ENERGY MONITORING SYSTEM

SCIENCE AND TECHNOLOGY RESERACH EXPO (SCITEX@20TH FST)

2023 UNIVERSITY GOLD

AWARDS/RECOGNITION

71. BIOCAST

34th INTERNATIONAL INVENTION & TECHNOLOGY EXHIBITION MALAYSIA (ITEX2023)

2023

ANTARABANGSA

GOLD

72. GOLD AWARD - PERSIDANGAN DAN EKSPLO CIPTAAN INSTITUSI PENGAJIAN TINGGI ANTARABANGSA (PECIPTA) 2022

2022

INTERNATIONAL