Profile Image

DR. WAN MAISARAH BINTI MUKHTAR

PENSYARAH UNIVERSITI DS13

CONTACT

PHONE
06-7988780

E-MAIL
wmaisarah@usim.edu.my

FACULTY
Fakulti Sains Dan Teknologi

SUPERVISION

	COMPLETED	ONGOING
PhD	0	0
Master	1	0

AREAS OF EXPERTISE

Nano Photonic | Optical/photonic Sensor | Photonics Materials

ACADEMIC QUALIFICATION

2014 **PhD** - Kejuruteraan Mikro Dan Nanoelektronik

2009 **Master** - Teknologi Tenaga

2004 **Bachelor** - Fizik Komputeran Dan Elektronik

RESEARCH

1. ENHANCING LOCALIZED PLASMONIC EFFECT USING CHROMIUM-GOLD NANORODS COATED ON FIBER PROBE FOR OPTICAL TRAPPING APPLICATION

2023 | GERAN PENYELIDIKAN USIM | ON GOING | MAIN RESEARCHER

2. ZNO:RGO COATED OPTICAL FIBER SENSOR FOR HEAVY METAL IONS DETECTION

2023 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

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

2023 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

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

2017 | GERAN KPT | COMPLETED | CO-RESEARCHER

5. EVANESCENT FIELD STUDY ON A COATED U-SHAPED FIBER ABSORPTION SENSOR

2015 | GERAN PENYELIDIKAN JANGKA PENDEK | COMPLETED | CO-RESEARCHER

RESEARCH

6. NANOCRYSTALLINE METAL OXIDE COATED POF FIBER FOR VOC SENSING APPLICATIONS

2015 | GERAN KPT | COMPLETED | CO-RESEARCHER

7. HIGH SENSITIVE FREE SPACE OPTICS - PLASMONIC SENSOR

2014 | GERAN KPT | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. MAXIMIZING LIGHT COUPLING EFFICIENCY VIA LSPR EFFECT USING AUNP-COATED ANGLE-CLEAVED FIBER PROBE FOR OPTICAL MICROSCOPY APPLICATION

SEMARAK INTERNATIONAL JOURNAL OF ELECTRONIC SYSTEM ENGINEERING

2026 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

2. IOT-INTEGRATED SMART GARDENING SYSTEM FOR REAL-TIME MONITORING AND USER-CONTROLLED WITH SMART FILM

JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING

2025 | JOURNAL | SCOPUS | CO-AUTHOR

3. ZNO AND GO COATED PLASTIC OPTICAL FIBER FOR LOW CONCENTRATION OF ETHANOL DETECTION IN BEER

OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS (OPTOELECTRON. ADV. MAT.)

2024 | JOURNAL | ISI AND SCOPUS | CO-AUTHOR

4. ZINC OXIDE-COATED FIBER-OPTIC SENSORS FOR MONITORING OF EDIBLE OIL ADULTERATION WITH INTERNET OF THINGS INTEGRATION

BULLETIN OF ELECTRICAL ENGINEERING AND INFORMATICS

2024 | JOURNAL | SCOPUS | CO-AUTHOR

5. AUNPS/GO COATED U-SHAPE POLISHED SMF BASED LOCALIZED SPR SENSOR FOR MUSTA?MAL WATER IDENTIFICATION

INTERNATIONAL JOURNAL OF NANOELECTRONICS AND MATERIALS

2023 | JOURNAL | SCOPUS | CORRESPONDING AUTHOR

6. SURFACE PLASMON RESONANCE SENSOR FOR COVID-19 DETECTION: A REVIEW ON PLASMONIC MATERIALS

SENSORS AND ACTUATORS A: PHYSICAL

2023 | JOURNAL | ISI, SCOPUS AND ERA | CORRESPONDING AUTHOR

7. PLASMONIC FIBER BRAGG GRATING SENSOR FOR HEALTH MONITORING APPLICATIONS: REVIEW ON FIBER STRUCTURES, MATERIAL PROPERTIES, AND DEPOSITION TECHNIQUES

INTERNATIONAL JOURNAL OF CHEMICAL AND BIOCHEMICAL SCIENCES

2023 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

8. 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

PUBLICATION

9. SENSITIVITY OPTIMIZATION OF AU/TI BASED-SPR SENSOR BY CONTROLLING LIGHT INCIDENT WAVELENGTH FOR GAS SENSING APPLICATION

JOURNAL OF MATERIALS IN LIFE SCIENCES (JOMALISC)

2022 JOURNAL MYCITE CORRESPONDING AUTHOR

10. PLASTIC OPTICAL FIBER PH SENSOR BASED ON SOL GEL FILM

JOURNAL OF MATERIALS IN LIFE SCIENCES (JOMALISC)

2022 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

11. SENSITIVITY PERFORMANCE OF AG/TIN AND AG/ZRN BASED SPR SENSORS FOR GLUCOSE AND SUCROSE IDENTIFICATION

OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS (OPTOELECTRON. ADV. MAT.)

2021 JOURNAL ISI AND SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

12. IDENTIFICATION OF RECYCLED COOKING OIL BY VARYING NUMBER OF AU/GO COATED FIBER OPTIC?S LOOP RING

ASM SCIENCE JOURNAL

2021 JOURNAL SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

13. SENSITIVITY ANALYSES OF CU/CHITOSAN AND AG/CHITOSAN BASED SPR BIOSENSOR FOR GLUCOSE DETECTION

INTERNATIONAL LASER TECHNOLOGY AND OPTICS SYMPOSIUM 2020 (ILATOS2020) IN CONJUNCTION WITH PHOTONICS MEETING 2020 (PM2020)

2021 PROCEEDING NON-INDEX MAIN AUTHOR

14. ENHANCED SPR RESPONSE USING AU/GO THIN FILMS VIA KRETSCHMANN COUPLING BY CONTROLLING THE INCIDENT LIGHT INTENSITIES

OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS (OPTOELECTRON. ADV. MAT.)

2020 JOURNAL ISI AND SCOPUS MAIN AUTHOR

15. REAL TIME DETECTION OF MILK?S SPOILAGE USING AU/GO BEND SMF SENSOR BASED ON LOCALIZED SURFACE PLASMON RESONANCE EFFECT

JOURNAL OF MECHANICAL ENGINEERING AND SCIENCES

2020 JOURNAL SCOPUS MAIN AUTHOR

16. HYBRID U-SHAPED-MICROBEND SMF EVANESCENT WAVE SENSOR FOR RIVER WATER QUALITY ASSESSMENT: A PRELIMINARY STUDY

SCIENCE LETTERS

2020 JOURNAL MYCITE CORRESPONDING AUTHOR

17. GRAPHENE BASED MACROBEND UNCLAD SMF FOR MONITORING PH LEVEL IN AQUEOUS ENVIRONMENT

SOLID STATE PHENOMENA

2020 JOURNAL ERA MAIN AUTHOR

18. ZNO COATED OPTICAL FIBER FOR ALCOHOL SENSING APPLICATIONS

SOLID STATE PHENOMENA

2020 JOURNAL SCOPUS CO-AUTHOR

PUBLICATION

19. STUDY ON THE SENSITIVITY OF BARE FIBER BRAGG GRATING FOR ULTRASONIC FREQUENCIES RESPONSE UNDER VARIOUS TEMPERATURE

THE 2ND INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY (ICORAST2019)

2020 PROCEEDING NON-INDEX MAIN AUTHOR

20. E-COLI IDENTIFICATION USING KRETSCHMANN-BASED AG/GO NANOCOMPOSITES PLASMONIC SENSOR

THE 2ND INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS 2019 (INCAPE 2019)

2020 PROCEEDING NON-INDEX MAIN AUTHOR

21. IDENTIFICATION OF NEAR-FIELD AND FAR-FIELD USING CONFOCAL MICROSCOPY SETUP FOR OPTICAL SENSING APPLICATIONS

ASM SCIENCE JOURNAL

2019 JOURNAL SCOPUS MAIN AUTHOR

22. EFFECT OF NOBLE METAL THIN FILM THICKNESSES ON SURFACE PLASMON RESONANCE (SPR) SIGNAL AMPLIFICATION

JOURNAL OF ADVANCED RESEARCH IN MATERIALS SCIENCE

2018 JOURNAL OTHER DATABASE MAIN AUTHOR

23. THEORETICAL STUDY ON HYBRID AMPLIFICATION OF 32-CHANNELS DWDM IN OPTICAL PARAMETRIC AMPLIFIERS

JOURNAL OF ADVANCED RESEARCH DESIGN

2018 JOURNAL OTHER DATABASE MAIN AUTHOR

24. STUDY ON PLASMON ABSORPTION OF HYBRID AU-GO-GNP FILMS FOR SPR SENSING APPLICATION

RECENT ADVANCEMENT ON APPLIED PHYSICS, INDUSTRIAL CHEMISTRY AND CHEMICAL TECHNOLOGY (ICORAST)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

25. MAXIMIZING THE RESPONSE OF SPR SIGNAL: A VITAL ROLE OF LIGHT EXCITATION WAVELENGTH

3RD INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY (ICAST?18)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

26. INFLUENCE OF ANNEALING TEMPERATURE ON OPTICAL PROPERTIES OF AL DOPED ZNO NANOPARTICLES VIA SOL-GEL METHODS

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017

2018 PROCEEDING NON-INDEX CO-AUTHOR

27. EVANESCENT FIELD STUDY ON A U-SHAPED SILICA FIBER ABSORPTION SENSOR USING NON-SEQUENTIAL RAY TRACING

SOLID STATE PHENOMENA

2017 JOURNAL SCOPUS CO-AUTHOR

28. SPR SENSOR FOR DETECTION OF HEAVY METAL IONS: MANIPULATING THE EM WAVES POLARIZATION MODES

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2017 JOURNAL WOS MAIN AUTHOR

PUBLICATION

29. MANIPULATING MICROBENDING LOSSES IN SINGLE MODE OPTICAL FIBER FOR PRESSURE SENSING

JOURNAL OF ADVANCED RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY

2017 JOURNAL OTHER DATABASE MAIN AUTHOR

30. OPTIMIZATION OF SPR SIGNALS: MONITORING THE PHYSICAL STRUCTURES AND REFRACTIVE INDICES OF PRISMS

INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS (INCAPE2017)

2017 PROCEEDING NON-INDEX MAIN AUTHOR

31. CHEMICAL TAPERING OF POLYMER OPTICAL FIBER

INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS (INCAPE2017)

2017 PROCEEDING NON-INDEX CO-AUTHOR

32. INFLUENCE OF ELECTROMAGNETIC (EM) WAVES POLARIZATION MODES ON SURFACE PLASMON RESONANCE

INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS (INCAPE 2017)

2017 PROCEEDING NON-INDEX CO-AUTHOR & CO-EDITOR

33. SYNTHESIS METHODS OF GOLD NANOPARTICLES FOR LOCALIZED SURFACE PLASMON RESONANCE (LSPR) SENSOR APPLICATIONS

INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS (INCAPE2017)

2017 PROCEEDING NON-INDEX CO-AUTHOR & CO-EDITOR

34. OPTIMIZATION OF GOLD THIN FILM THICKNESSES IN ENHANCING SPR SIGNALS

INTERNATIONAL CONFERENCE OF SEMICONDUCTOR AND ELECTRONICS 2016 (ICSE 2016)

2016 PROCEEDING NON-INDEX CO-AUTHOR

35. FABRICATION OF GOLD STRIP THIN FILM ON GLASS SUBSTRATE FOR PLASMONIC DEMODULATION APPLICATION

IEEE-RSM 2015

2015 PROCEEDING NON-INDEX MAIN AUTHOR

36. ON THE PERFORMANCE OF MACH-ZEHNDERINTERFEROMETER (MZI) OPTICAL MODULATOR ON SILICON- ON THE PERFORMANCE OF MACH-ZEHNDER INTERFEROMETER (MZI) OPTICAL MODULATOR ON SILICON-ON-INSULATOR (SOI)

IEEE-RSM 2015

2015 PROCEEDING NON-INDEX CO-AUTHOR

37. ELECTRO-OPTICS INTERACTION IMAGING IN ACTIVE PLASMONIC DEVICES

OPTICAL MATERIALS EXPRESS

2014 JOURNAL WOS MAIN AUTHOR

38. GOLD NANOPARTICLES GROWN USING MODIFIED SEED-MEDIATED GROWTH TECHNIQUE.

ADVANCED SCIENCE LETTERS

2013 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

39. INFLUENCES OF LIGHT COUPLING TECHNIQUES TO THE EXCITATION OF SURFACE PLASMON POLARITONS

ADVANCED SCIENCE LETTERS

2013 JOURNAL SCOPUS MAIN AUTHOR

40. ANGLE SHIFTING IN SURFACE PLASMON RESONANCE: EXPERIMENTAL AND THEORETICAL VERIFICATION

JOURNAL OF PHYSICS: CONFERENCE SERIES

2013 JOURNAL SCOPUS MAIN AUTHOR

41. PROPAGATION OF SURFACE PLASMON WAVES AT METAL THIN FILM/AIR INTERFACE USING MODIFIED OPTICAL WAVEGUIDING ASSEMBLY.

OPTOELECTRONICS & ADVANCED MATERIALS-RAPID COMMUNICATIONS

2013 JOURNAL WOS MAIN AUTHOR

42. EFFECT OF TAPER ANGLE OF THE OPTICAL FIBER MICROPROBE IN POWER COLLECTION

ADVANCED MATERIALS RESEARCH

2012 JOURNAL SCOPUS MAIN AUTHOR

43. MICROFABRICATED FIBER PROBE BY COMBINATION OF ELECTRIC ARC DISCHARGE AND CHEMICAL ETCHING TECHNIQUES, , HLM 462

ADVANCED MATERIALS RESEARCH

2012 JOURNAL SCOPUS MAIN AUTHOR

44. ANALYSIS OF BICONICAL TAPER GEOMETRIES TO THE TRANSMISSION LOSSES IN OPTICAL MICROFIBERS

OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS

2012 JOURNAL WOS MAIN AUTHOR

45. STUDY OF FRAUNHOFER DIFFRACTION PATTERN FROM A CIRCULAR APERTURE USING AN OPTICAL FIBER MICROPROBE, , HLM 378-379

ADVANCED MATERIALS RESEARCH

2012 JOURNAL SCOPUS MAIN AUTHOR

46. DESIGN AND CHARACTERIZATION OF MULTIPLE COUPLED MICRORING BASED WAVELENGTH DEMULTIPLEXER IN SILICON ON INSULATOR (SOI). 21

JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS

2012 JOURNAL WOS CO-AUTHOR

47. ANGLE SHIFTING IN SURFACE PLASMON RESONANCE: EXPERIMENTAL AND THEORETICAL VERIFICATION. JOURNAL OF PHYSICS: CONFERENCE SERIES, 431, HLM 012028

THE 3RD ISESCO INTERNATIONAL WORKSHOP AND CONFERENCE ON NANOTECHNOLOGY 2012 (IWCN 2012)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

48. EFFECT ON TAPER ANGLE OF OPTICAL FIBER MICROPROBE IN LIGHT DETECTION

8 TH INTERNATIONAL SYMPOSIUM ON MODERN OPTICS AND ITS APPLICATIONS (ISMOA 2011)

2011 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

49. ELECTRICAL CHARACTERISTICS OF SILICON-ON-INSULATOR (SOI) PHASE MODULATOR

MICRO AND NANOELECTRONICS (RSM), 2011 IEEE REGIONAL SYMPOSIUM ON,

2011 PROCEEDING NON-INDEX CO-AUTHOR

50. FABRICATION OF OPTICAL FIBER MICROPROBE USING ELECTRIC ARC HEATING AND ONE-SIDED PULLING TECHNIQUE. HLM 104.

RESEARCH AND DEVELOPMENT (SCORED), 2010 IEEE STUDENT CONFERENCE ON,

2010 PROCEEDING NON-INDEX MAIN AUTHOR

CONSULTATION

1. JOURNAL REVIEWER

-

2018 INTERNATIONAL

2. BOOK REVIEWER

PUSAT PENGURUSAN PENYELIDIKAN DAN INOVASI, USIM

2018 UNIVERSITY

3. JOURNAL REVIEWER

-

2017 INTERNATIONAL

4. CONFERENCE PROCEEDING REVIEWER

-

2017 INTERNATIONAL

5. JOURNAL REVIEWER

JOURNAL OF TELECOMMUNICATIONS, ELECTRONICS AND COMPUTER ENGINEERING

2016 INTERNATIONAL

6. CONFERENCE PROCEEDING REVIEWER

IEEE ELECTRON DEVICE SOCIETY

2016 INTERNATIONAL

AWARDS/RECOGNITION

1. FALL DETECTION SENSOR FOR ELDERLY

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC), 2026

2026 ANTARABANGSA BRONZE

AWARDS/RECOGNITION

2. MULTISENSOR SYSTEM FOR BOXED DRINK QUALITY USING PH AND TURBIDITY SENSORS

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC), 2026

2026 ANTARABANGSA SILVER

3. SMART STREET LIGHT SYSTEM USING ARDUINO UNO, LDR SENSOR AND IR MOTION SENSOR

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC), 2026

2026 ANTARABANGSA GOLD

4. IOT BASED SMART PARKING SYSTEM SENSOR TECHNOLOGY

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC), 2026

2026 ANTARABANGSA GOLD

5. SIJIL PENGHARGAAN MARKAH PRESTASI YANG CEMERLANG MELEBIHI 95 % DALAM LAPORAN NILAIAN PRESTASI TAHUNAN (LNPT) BAGI TAHUN 2024

2025 UNIVERSITY

6. ANUGERAH INOVASI 2024

2025 UNIVERSITY

7. ANUGERAH PENERBITAN JURNAL BERINDEKS WOS/SCOPUS/MYCITE

2025 UNIVERSITY

8. ANUGERAH KUALITI 2024

2025 UNIVERSITY

9. MILKFRESHLY: ENSURING MILK FRESHNESS ANYTIME

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

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

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

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

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA GOLD

12. FLOOD SENSE: IOT-BASED FLOOD DETECTION SYSTEM

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA SILVER

13. SPORAX: SMART MOLD PREVENTION BY USING AUTOMATIC FAN

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA SILVER

AWARDS/RECOGNITION

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

INTERNATIONAL CREATIVE & INNOVATIVE IDEA COMPETITION (ICIIC) 2025

2025 ANTARABANGSA SILVER

15. ANUGERAH PENINGKATAN SITASI PENYELIDIKAN TERTINGGI

2024 UNIVERSITY

16. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2024 UNIVERSITY

17. ANUGERAH PENERBITAN JURNAL BERINDEKS WOS/SCOPUS/MYCITE

2024 UNIVERSITY

18. ANUGERAH PEMFAILAN HARTA INTELEK

2024 UNIVERSITY

19. ACADEMIC ADVISOR

UNIKL-MFI

2024 NATIONAL

20. GO/ZNO NANOCOMPOSITE COATED PLASTIC OPTICAL FIBER FOR COPPER ION DETECTION IN DRINKING WATER

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

21. IOT ENHANCED SMART SENSORS: BRING OBSERVATORY CLOSER TO HOME

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD

22. P-VIBROSENSE 2.0: IOT BASED PLASMONIC FBG VIBRATION SENSOR FOR STRUCTURAL HEALTH MONITORING

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI GOLD

23. GRAPHENE OXIDE COATED OPTICAL FIBER FOR HONEY ADULTERATION DETECTION

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI GOLD

24. PATH PILOT (BLIND STICK)

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC) 2024

2024 ANTARABANGSA SILVER

25. LANDSGUARD

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC) 2024

2024 ANTARABANGSA GOLD

AWARDS/RECOGNITION

26. SENSAGLOW LANE

INTERNATIONAL CREATIVE INNOVATION IDEA COMPETITION (ICIIC) 2024

2024 ANTARABANGSA GOLD

27. ANUGERAH INOVASI DAN PENGKOMERSIALAN

2023 UNIVERSITY

28. P-VIBROSENSE: PLASMONIC BASED VIBRATION SENSOR FOR STRUCTURAL HEALTH MONITORING

INNOVATION BANK CHALLENGE 2023 (IBC2023)

2023 UNIVERSITI GOLD

29. SMART GREEN: AUTOMATIC GARDEN MONITORING WITH SMART FILM USING IOT

International Expo of Innovation Product and System Design (INVIDE) 2023

2023 ANTARABANGSA BRONZE

30. AUNPS-GO BASED FIBER OPTICS LOCALIZED SPR SENSOR FOR MUSTA?MAL WATER IDENTIFICATION

4th International Conference on Applied Photonics and Electronics (InCAPE 2023)

2023 ANTARABANGSA BEST PAPER AWARD

31. PRICESENSE: PLASMONIC SENSOR FOR RICE GRAIN MOISTURE LEVEL DETECTION

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

2023 UNIVERSITI GOLD

32. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

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

2023 UNIVERSITI GOLD

33. APRESIASI STAF FST 2021

2022 UNIVERSITY

34. PLASMONIC FBG-BASED HONEY QUALITY TESTER

MALAYSIA TECHNOLOGY EXPO 2022

2022 ANTARABANGSA GOLD

35. PLASMONIC FBG-BASED HONEY QUALITY TESTER

Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA22)

2022 ANTARABANGSA GOLD

36. ANUGERAH PERKHIDMATAN CEMERLANG (APC) 2020

2021 UNIVERSITY

37. ANUGERAH PENYELIDIKAN TERBAIK 2019 (KLUSTER SAINS, TEKNOLOGI DAN PERUBATAN)

2020 UNIVERSITY

38. FST RISING STAR AWARD

2019 OTHERS

AWARDS/RECOGNITION

39. ANUGERAH PEKERJA CEMERLANG (APC)2018

2019 UNIVERSITY

40. BEST PAPER AWARD

2018 INTERNATIONAL