

PROF. MADYA DR. SITI SALHAH BINTI OTHMAN

PENSYARAH UNIVERSITI DS14

CONTACT

PHONE
88427

E-MAIL
salhah@usim.edu.my

FACULTY
Fakulti Sains Dan Teknologi

SUPERVISION

	COMPLETED	ONGOING
PhD	0	0
Master	7	1

AREAS OF EXPERTISE

Enzyme Technology Enzyme Technology

ACADEMIC QUALIFICATION

2004 **PhD** - Teknologi Enzim

2000 **Bachelor** - Kimia

RESEARCH

1. **KAJIAN KEBERKESANAN KURIKULUM INAQ DI KALANGAN ALUMNI USIM**
   2024 | GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) | ON GOING | CO-RESEARCHER

2. **ISOLATION AND CHARACTERIZATION OF BIOACTIVE COMPOUNDS FROM DUKUNG ANAK (PHYLLANTUS NIRURI), JATI BELANDA (GHUAZUMA ULMIFOLIA) AND JINTAN HITAM (NIGELLA SATIVA) AS A POTENTIAL ANTI-BACTERIAL AGENT**
   2023 | GERAN SEPADAN ANTARABANGSA | ON GOING | CO-RESEARCHER

3. **GO GREEN: SERVICE LEARNING VIA LAB IN A BOX**
   2023 | GERAN PENYELIDIKAN PENTADBIR | ON GOING | CO-RESEARCHER

4. **USIM-21 YEARS: IMPACT STUDY ON NATION AND SOCIETY**
   2022 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

5. **MODIFIED WASTE CHICKEN BONES DERIVED BI-FUNCTIONAL CATALYST FOR BIODIESEL PRODUCTION FROM HIGH FREE FATTY ACIDS WASTE COOKING OIL**
   2021 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

RESEARCH

6. MONTMORILLONITE CLAY MODIFIED WITH METAL CATIONS AS ACID CATALYSTS FOR BIODIESEL PRODUCTION FROM WASTE COOKING OIL.

2017 | GERAN KPT | COMPLETED | CO-RESEARCHER

7. METAL CATION -EXCHANGED MONTMORILLONITE K10 AS A GREEN CATALYST FOR PRODUCTION OF OLEIC ACID ALKYL ESTERS

2016 | GERAN PENYELIDIKAN TRANSLASIONAL | COMPLETED | CO-RESEARCHER

8. IN-DEPTH ANALYSIS STUDIES OF ZINGIBER ZERUMBET ACCORDING TO AL-QURAN,AHADITH AND OLD MALAY MANUSCRIPT INTO SCIENTIFIC RESEARCH TOWARDS DENGUE PROTEASE

2016 | GERAN PENYELIDIKAN KOMPETITIF KLUSTER | COMPLETED | CO-RESEARCHER

9. ISOLATION,PURIFICATION AND CHARACTERIZATION OF USED PALM OIL-DEGRADING BACTERIA FROM POLLUTED SOIL AND WATER ARAOUND NILAI,NEGERI SEMBILAN

2016 | GERAN PENYELIDIKAN TRANSLASIONAL | COMPLETED | MAIN RESEARCHER

10. SYNTHESIS OF MONO- AND BIS-THIOUREA DERIVATIVES AS CORROSION INHIBITORS FOR MILD STEEL IN ACIDIC MEDIA

2014 | GERAN KPT | COMPLETED | CO-RESEARCHER

11. IMMOBILIZED METAL COMPLEXES ON MONTMORILLONITE AS HETEROGENEOUS CATALYST FOR EPOXIDATION OF PALM OIL.

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

12. USE OF RESPONSE SURFACE METHODOLOGY FOR ENHANCEMENT OF ITURIN A PRODUCTION AND INVESTIGATION OF ITS ANTIFUNGAL ACTIVITY FOR BIOLOGICAL CONTROL OF CERTAIN PHYTOPATHOGENS

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

13. PROFESSIONAL HALAL ANALYST PROGRAM

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

14. ENZYMATIC SYNTHESIS OF FERULATE ESTERS, A BIO-BASED UV ABSORBER USING A NEW DUAL BIOCATALYST SYSTEM

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

15. A NEW DUAL BIOCATALYSTS SYSTEM IN IMPROVING THE REACTION SYNTHESIS OF KOJIC ESTER , A HALAL BIO BASED WHITENING AGENT

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

16. KINETIC MODELING AND OPTIMIZATION VIA RESPONSE SURFACE METHODOLOGY (RSM) FOR EFFICIENT PRODUCTION OF FERULATE ESTERS

2012 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

17. DEVELOPMENT OF AN ALTERNATIVE MATERIAL FOR HYDROGEN STORAGE DERIVED FROM MONTMORILLONITE NANOCLAY

2012 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

RESEARCH

18. BIOCOMPATIBLE CALCINED LAYERED DOUBLE HYDROXIDES AS SUPPORT FOR EFFICIENT IMMOBILIZATION OF BIOCATALYSTS

2012 | GERAN KPT | COMPLETED | MAIN RESEARCHER

19. NEW ACTIVATED BIOCATALYST IN THIN FILM OF CELLULOSE DERIVATIVE

2012 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

20. OPTIMIZATION VIA RESPONSE SURFACE METHODOLOGY (RSM) FOR EFFICIENT PRODUCTION OF FERULATE ESTER

2011 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | CO-RESEARCHER

21. SYNTHESIS OF BIS-THIOUREA COMPAUNDS AS IONOPHORE FOR MERCURY (II) ION-SELECTIVE ELECTRODE (ISE)

2009 | GERAN KPT | COMPLETED | CO-RESEARCHER

22. GREEN SYNTHESIS OF FLAVOUR ESTER VIA LIPASE-CATALYZED REACTION

2008 | GERAN KPT | COMPLETED | CO-RESEARCHER

23. NEW FELDSPAR-IMMOBILIZED BIOCATALYSTS FOR ORGANIC SYNTHESIS

2008 | GERAN KPT | COMPLETED | MAIN RESEARCHER

24. ENZYMATIC SYNTHESIS OF PALM-BASED SPECIALTY ESTER AS RAW MATERIAL FOR COSMETIC

2007 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | CO-RESEARCHER

25. THE EFFECTIVENESS OF ANNOTATIONS IN COMPUTER ASSISTED INSTRUCTION (CAI) IN ENHANCING STUDENTS COMPREHENSION OF A SCIENCE-BASED TEXT

2006 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | CO-RESEARCHER

26. SYNTHESIS OF USEFUL ORGANIC COUMPAUNDS USING COMMERCIAL HYDROLYTIC ENZYMES

2006 | GERAN PENYELIDIKAN PANTAS BAWAH SETAHUN | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. KAJIAN KEBERKESANAN PENERAPAN INTEGRASI ILMU NAQLI DAN AQLI (INAQ) DALAM KURSUS MENERUSI LENSA ALUMNI

SEMINAR ANTARABANGSA ISLAM DAN SAINS

2025 | PROCEEDING | NON-INDEX | CORRESPONDING AUTHOR

2. INTERACTIVE LEARNING EXPERIENCE THROUGH SULAM PROJECT BY INTEGRATING SUSTAINABLE ENVIRONMENT ACTIVITIES WITH INAQ

INTERNATIONAL SEMINAR ON ISLAMIC AND SCIENCE

2024 | PROCEEDING | NON-INDEX | CO-AUTHOR

3. MODUL PERSONAL TUTELAGE UNIVERSITI SAINS ISLAM MALAYSIA

2023 | BOOK | EDITOR

PUBLICATION

4. GARIS PANDUAN PEMBANGUNAN DAN PENAWARAN PROGRAM PEMBELAJARAN TERBUKA DAN JARAK JAUH/ OPEN AND DISTANCE LEARNING (ODL) UNIVERSITI SAINS ISLAM MALAYSIA

2023 POLICY

5. COMPARATIVE STUDY ON LIPASE IMMOBILIZED ONTO ORGANO-CATION EXCHANGED KAOLIN AND METAKAOLIN: SURFACE PROPERTIES AND CATALYTIC ACTIVITY

BULLETIN OF CHEMICAL REACTION ENGINEERING AND CATALYSIS

2021 JOURNAL SCOPUS CORRESPONDING AUTHOR

6. BLUEPRINT KELESTARIAN USIM: MENYEMARAKKAN KAMPUS BARAKAH

2021 BOOK CO-EDITOR

7. MODIFICATION OF KAOLINITE CLAY USING BENZYLTRIETHYLAMMONIUM CHLORIDE AS A SURFACTANT: PREPARATION AND CHARACTERIZATION

INTERNATIONAL JOURNAL OF ENGINEERING AND TECHNOLOGY(UAE)

2020 JOURNAL SCOPUS CORRESPONDING AUTHOR

8. THE ADSORPTION BEHAVIOUR OF LIPASE IMMOBILIZED ONTO NATURAL CARRIER MATRICES

VIRTUAL SYMPOSIUM ON SCIENCES 2020 (VSOS 2020)

2020 PROCEEDING NON-INDEX CO-AUTHOR

9. HIGH-IMPACT EDUCATIONAL PRACTICES (HIEPS): THE MALAYSIAN HIGHER EDUCATION EXPERIENCE (VOL. 1)

2020 BOOK CO-EDITOR

10. HIGH-IMPACT EDUCATIONAL PRACTICES (HIEPS): THE MALAYSIAN HIGHER EDUCATION EXPERIENCE (VOL. 2)

2020 BOOK CO-EDITOR

11. FIQH MUAMALAT

HIGH-IMPACT EDUCATIONAL PRACTICES (HIEPS): THE MALAYSIAN HIGHER EDUCATION EXPERIENCE (VOL. 1)

2020 CHAPTER IN BOOK CO-AUTHOR & CO-EDITOR

12. PANDUAN RINGKAS E-PEMBELAJARAN DAN PENGAJARAN (UNTUK TENAGA PENGAJAR) - EDISI PERTAMA

2020 POLICY

13. PANDUAN RINGKAS E-PEMBELAJARAN DAN PENGAJARAN (UNTUK TENAGA PENGAJAR) - EDISI KEDUA

2020 POLICY

14. PANDUAN RINGKAS E-PEMBELAJARAN DAN PENGAJARAN (UNTUK PELAJAR) - EDISI PERTAMA

2020 POLICY

15. PANDUAN RINGKAS E-PEMBELAJARAN DAN PENGAJARAN (UNTUK PELAJAR) - EDISI KEDUA

2020 POLICY

16. KOD ETIKA PENGAJARAN DAN PEMBELAJARAN SECARA DALAM TALIAN

2020 POLICY

PUBLICATION

17. PANDUAN PENYEDIAAN FAIL PENGAJARAN SECARA DALAM TALIAN

2020 POLICY

18. PROSEDUR STANDARD OPERASI PENTAKSIRAN KERTAS SOALAN PEPERIKSAAN SECARA BERSEMUKA (USIM.PP.15)

2020 POLICY

19. PROSEDUR STANDARD OPERASI PENTAKSIRAN KERTAS SOALAN PEPERIKSAAN SECARA DALAM TALIAN (USIM.PP.16)

2020 POLICY

20. INTEGRATION OF THE NAQLI AND AQLI KNOWLEDGE IN THE CURRICULUM DESIGN OF UNIVERSITI SAINS ISLAM MALAYSIA

4TH INSPIRATIONAL SCHOLAR SYMPOSIUM

2019 PROCEEDING NON-INDEX MAIN AUTHOR

21. IMMOBILIZATION OF ENZYME USING NATURAL FELDSPAR FOR USE IN THE SYNTHESIS OF OLEYL OLEATE

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL SCOPUS MAIN AUTHOR

22. PREPARATION AND CHARACTERIZATION OF IMMOBILIZED MOLYBDENUM COMPLEX ON PILLARED MONTMORILLONITE K-10

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY

2018 JOURNAL OTHER DATABASE CO-AUTHOR

23. PREPARATION AND CHARACTERIZATION OF ORGANO-KAOLINITE USING BENZYLTRIETHYLAMMONIUM CHLORIDE AS A SURFACTANT

2ND INTERNATIONAL CONFERENCE ON APPLIED SCIENCES & INDUSTRIAL TECHNOLOGY (ICASIT 2018)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

24. LIPID-LOWERING EFFECTS OF ZERUMBONE FROM ZINGIBER ZERUMBET: A REVIEW

INTERNATIONAL CONFERENCE ON NATURAL SCIENCE AND HERITAGE FROM ISLAMIC PERSPECTIVE 2018 (INSPIRE 2018)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

25. PHYSICOCHEMICAL CHARACTERIZATION OF LACTOSE-BASED ESTER AS POTENTIAL PHARMACEUTICAL BIOSURFACTANT

INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES RESEARCH

2017 JOURNAL OTHER DATABASE CO-AUTHOR

26. A REVIEW ON THE USE OF ORGANO-MODIFIED BENTONITE AS POTENTIAL SUPPORT FOR THE IMMOBILIZATION OF CANDIDA RUGOSA LIPASE IN THE SYNTHESIS OF ESTERS

KOLOKIUM SISWAZAH SAINS DAN TEKNOLOGI 2017

2017 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

27. KINETIC MODELING OF CANDIDA RUGOSA LIPASE IMMOBILIZED ONTO KENAF CORE FIBRE IN THE SYNTHESIS OF BUTYL OLEATE

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY

2017 PROCEEDING NON-INDEX MAIN AUTHOR

28. IMMOBILIZATION OF ENZYME USING NATURAL FELDSPAR FOR USE IN THE SYNTHESIS OF OLEYL OLEATE

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY (ICORAST2017)

2017 PROCEEDING NON-INDEX CO-AUTHOR

29. SELECTIVITY OF CANDIDA RUGOSA LIPASE IMMOBILIZED ONTO LAYERED DOUBLE HYDROXIDES AS CATALYST IN SYNTHESIS OF FATTY ACID ESTERS

JURNAL TEKNOLOGI

2016 JOURNAL SCOPUS CO-AUTHOR & CO-EDITOR

30. ISOLATION AND IDENTIFICATION OF LIPASE PRODUCING BACTERIA FROM OIL-CONTAMINATED ENVIRONMENT FOR DEGRADATION OF USED COOKING OIL

MALAYSIAN SOCIETY FOR MICROBIOLOGY POSTGRADUATE SEMINAR 2016

2016 PROCEEDING NON-INDEX CO-AUTHOR

31. CHAPTER 3 - PARAOXONASES: THE CARDIO-PROTECTIVE ENZYME FOUND IN POMEGRANATES

CHEMISTRY OF FOOD, HEALTH AND TECHNOLOGY IN ISLAMIC CITATIONS

2016 CHAPTER IN BOOK CO-AUTHOR

32. SELECTIVITY OF CANDIDA RUGOSA LIPASE IMMOBILIZED ONTO CALCINED LAYERED DOUBLE HYDROXIDES AS A CATALYST IN THE SYNTHESIS OF FATTY ACID ESTERS

2015 ADVANCEMENT RESEARCH ON BIOTECHNOLOGY AND BIOFUELS INTERNATIONAL CONFERENCE

2015 PROCEEDING NON-INDEX CO-AUTHOR

33. ENTRAPMENT OF CANDIDA RUGOSA LIPASE IN CARBOXYMETHYL CELLULOSE AND POLYVINYL ALCOHOL THIN FILM AS POTENTIAL BIOCATALYSTS IN ESTERIFICATION REACTION

THE REGIONAL FUNDAMENTAL SCIENCE CONGRESS 2014

2014 PROCEEDING NON-INDEX MAIN AUTHOR

34. ENTRAPMENT OF CANDIDA RUGOSA LIPASE INTO CARBOXYMETHYLCELLULOSE THIN FILM FOR USE IN THE SYNTHESIS OF BUTYL OLEATE

SEOUL INTERNATIONAL CONFERENCE ON BIOLOGICAL ENGINEERING & NATURAL SCIENCE

2014 PROCEEDING NON-INDEX MAIN AUTHOR

35. PROFESSIONAL HALAL ANALYST PROGRAM: CHALLENGES AND OPPORTUNITIES IN DEVELOPING THE MODULES

JOURNAL OF KTP-FLAGSHIP

2013 JOURNAL SCOPUS CO-AUTHOR

36. PROSPECTIVE EFFECTS OF INDUCED MUTATION BY GAMMA RADIATION IN ESSENTIAL OIL PRODUCTION OF LEMONGRASS (CYMBOPOGON CITRATUS)

INTERNATIONAL JOURNAL OF AGRICULTURAL SYSTEMS

2013 JOURNAL WOS CO-AUTHOR

PUBLICATION

37. BIOCATALYTIC PRODUCTION OF LACTOSE ESTER CATALYSED BY MICA-BASED IMMOBILIZED LIPASE

FOOD CHEMISTRY

2012 JOURNAL WOS CO-AUTHOR

38. NANOCLAY AS POTENTIAL SUPPORT FOR IMMOBILIZATION OF LIPASE FROM CANDIDA RUGOSA: PHYSICOCHEMICAL PROPERTIES

UNIVERSITI MALAYSIA TERENGGANU 11TH INTERNATIONAL ANNUAL SYMPOSIUM ON SUSTAINABILITY SCIENCE AND MANAGEMENT 2012 (UMTAS 2012)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

39. PHYSICOCHEMICAL CHARACTERIZATION AND IMMOBILIZATION OF CANDIDA RUGOSA LIPASE ONTO NANOFIBERS FROM KENAF CORE

MALAYSIAN INTERNATIONAL CONFERENCE ON TRENDS IN BIOPROCESS ENGINEERING (MICOTRIBE)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

40. KINETIC MODELLING OF IMMOBILIZED CANDIDA RUGOSA LIPASE CATALYZED ESTERIFICATION OF BUTYL OLEATE

INTERNATIONAL CONFERENCE ON HALAL SCIENCE & TECHNOLOGY (HALALSTECH)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

41. PRODUCTION AND INVESTIGATION OF SURFACTIN ISOFORMS PRODUCED BY LOCAL ISOLATES OF BACILLUS SUBTILIS

MALAYSIAN INTERNATIONAL CONFERENCE ON TRENDS IN BIOPROCESS ENGINEERING (MICOTRIBE)

2012 PROCEEDING NON-INDEX CO-AUTHOR

42. GREEN SYNTHESIS OF BUTYL ACETATE, A PINEAPPLE FLAVOUR VIA LIPASE-CATALYZED REACTION

WORLD ACADEMY OF SCIENCE, ENGINEERING AND TECHNOLOGY

2011 JOURNAL WOS CO-AUTHOR

43. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF NONYL CAPRYLATE USING RESPONSE SURFACE METHODOLOGY (RSM)

JOURNAL OF BIOTECHNOLOGY & BIOMATERIALS

2011 JOURNAL WOS CO-AUTHOR

44. KINETIC BEHAVIOURS OF FREE LIPASE AND MICA-BASED IMMOBILIZED LIPASE CATALYZING THE SYNTHESES OF SUGAR ESTERS

BIOSCIENCE, BIOTECHNOLOGY AND BIOCHEMISTRY

2011 JOURNAL WOS CO-AUTHOR

45. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF ETHYL VALERATE, A GREEN APPLE FLAVOR USING RESPONSE SURFACE METHODOLOGY (RSM)

JOURNAL OF ENVIRONMENTAL SCIENCE AND ENGINEERING

2011 JOURNAL WOS CO-AUTHOR

46. STUDY ON ANTIMICROBIAL ACTIVITY OF ETHYL VALERATE, A FRUITY FLAVOUR ESTER

22ND PACIFIC SCIENCE CONGRESS

2011 PROCEEDING NON-INDEX CO-AUTHOR

PUBLICATION

47. ENZYME ENCAPSULATED WITHIN NATURAL-BASED MICA NETWORK FOR CHIRAL SYNTHESES

MALAYSIA TECHNOLOGY EXPO (MTE) 2011

2011 PROCEEDING NON-INDEX CO-AUTHOR

48. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF FLAVOR ESTER USING RESPONSE SURFACE METHODOLOGY (RSM)

24TH REGIONAL SYMPOSIUM MALAYSIAN ANALYTICAL SCIENCES (SKAM-24)

2011 PROCEEDING NON-INDEX CO-AUTHOR

49. GREEN SYNTHESIS OF BUTYL ACETATE, A PINEAPPLE FLAVOUR VIA LIPASE-CATALYZED REACTION

INTERNATIONAL CONFERENCE IN APPLIED CHEMISTRY AND CHEMICAL ENGINEERING (ICACCE 2011)

2011 PROCEEDING NON-INDEX CO-AUTHOR

50. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF NONYL CAPRYLATE, A CITRUS AND ROSE FLAVOR USING RESPONSE SURFACE METHODOLOGY (RSM)

10TH UNIVERSITI MALAYSIA TERENGGANU INTERNATIONAL ANNUAL SYMPOSIUM

2011 PROCEEDING NON-INDEX CO-AUTHOR

51. EFFICIENT ENZYMATIC SYNTHESIS AND CHARACTERIZATION OF SOME SUGAR ESTERS

2011 BOOK CO-EDITOR

52. ISOLATION AND CHARACTERIZATION OF MICROCRYSTALLINE CELLULOSE (MCC) FROM COCONUT KERNEL WASTE

2011 BOOK CO-EDITOR

53. SYNTHESIS OF ZEOLITE ZSM-5 IN THE PRESENCE OF DIFFERENT TEMPLATING AGENTS

2011 BOOK CO-EDITOR

54. DETERMINATION OF HEAVY METALS IN SWEET POTATO (IPOMOEA BATATAS) VARIETIES USING ATOMIC ABSORPTION SPECTROSCOPY (AAS)

2011 BOOK CO-EDITOR

55. GREEN SYNTHESIS OF ETHYL LEVULINATE USING DUAL ENZYME SYSTEM OF IMMOBILIZED LIPASE

2011 BOOK CO-EDITOR

56. ACTIVITY OF IMMOBILIZED CANDIDA RUGOSA LIPASE IN THE TRANSESTERIFICATION REACTION BETWEEN P-NITROPHENYL PALMITATE WITH VARIOUS ALCOHOLS

2011 BOOK EDITOR

57. ENZYMATIC SYNTHESIS OF HEXYL OLEATE BY MICA-IMMOBILIZED CANDIDA RUGOSA LIPASE

2011 BOOK EDITOR

58. ENZYMATIC SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITIES OF ENANTIOPURE (-)-MENTHYL MYRISTATE

2011 BOOK EDITOR

PUBLICATION

59. OPTIMIZATION STUDY OF IMMOBILIZATION OF CANDIDA RUGOSA LIPASE ONTO NANOCLAYS

2011 BOOK EDITOR

60. SYLILATION OF MICA FOR LIPASE IMMOBILIZATION AS BIOCATALYSTS IN ESTERIFICATION

APPLIED CLAY SCIENCE

2010 JOURNAL WOS CO-AUTHOR

61. IMMOBILIZATION OF ENZYME USING NATURAL FELDSPAR FOR USE IN THE SYNTHESIS OF USEFUL ORGANIC COMPOUNDS

INTERNATIONAL CONFERENCE ON SCIENCE AND TECHNOLOGY IN EDUCATION 2010 (ICSTIE'10)

2010 PROCEEDING NON-INDEX MAIN AUTHOR

62. NATURAL-BASED MICA NETWORK AS NANOREACTOR FOR ENZYMES IN CHIRAL SYNTHESES.

RESERACH AND INNOVATION EXHIBITION 2010

2010 PROCEEDING NON-INDEX CO-AUTHOR

63. IMMOBILIZED ENZYMES

NEW LIPASES AND PROTEASES

2006 CHAPTER IN BOOK CO-AUTHOR

64. BIOINFORMATIK: ALAT DAKWAH YANG BERKESAN

ISLAM HADHARI DALAM KEHIDUPAN

2006 CHAPTER IN BOOK MAIN AUTHOR

65. KEHIDUPAN BERKUALITI BERASASKAN KEBERSIHAN DAN MAKANAN

ISLAM HADHARI DALAM KEHIDUPAN

2006 CHAPTER IN BOOK CO-AUTHOR

AWARDS/RECOGNITION

1. GOLD MEDAL, PERTANDINGAN AMALAN INOVASI PENGURUSAN, KARNIVAL INOVASI @UMT 2025

2025 NATIONAL

2. ANUGERAH PENGAJARAN

2025 OTHERS

3. ANUGERAH LIBATSAMA KOMUNITI

2025 OTHERS

4. INTEGRATED OUTCOME-BASED EDUCATION (IOBE)

Pertandingan Amalan Inovasi Pengurusan, Karnival Inovasi@UMT 2025

2025 KEBANGSAAN GOLD

AWARDS/RECOGNITION

5. ACADEMIC ADVISOR

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

2019 NATIONAL

6. ACADEMIC ADVISOR

INSITUTE OF ISLAMIC SCIENCE (USIM)

2019 UNIVERSITY

7. ANUGERAH PERKHIDMATAN CEMERLANG

2017 UNIVERSITY

8. INSENTIF JURNAL TAHUN 2016

2017 UNIVERSITY

9. PROFESSIONAL HALAL TRAINING PROGRAMME

THE INTERNATIONAL CONFERENCE AND EXPOSITION ON INVENTION (PECIPTA 17)

2017 UNIVERSITI SILVER

10. ANUGERAH PENYELIDIKAN KATEGORI SAINS, TEKNOLOGI DAN PERUBATAN (PENYELIDIKAN TERBAIK) 2015

2016 UNIVERSITY

11. VISITING SCHOLAR

SULEYMAN DEMIREL UNIVERSITESI

2016 INTERNATIONAL

12. PROFESSIONAL HALAL ANALYST PROGRAM (PHAP) (KATEGORI TERBUKA)

EKSPO INOVASI ISLAM KALI KE-ENAM 2015 (I-INOVA 2015)

2015 ANTARABANGSA SILVER

13. DISPOSABLE LIPASE BIOSENSOR BASED ON LAB-ON-PAPER FOR DETECTION OF FAT IN FOOD SAMPLES (MILK)

EKSPO INOVASI ISLAM I-INOVA 2014

2014 KEBANGSAAN BRONZE

14. MULTI-MALABYS

EKSPO INOVASI ISLAM I-INOVA 2014

2014 KEBANGSAAN BRONZE

15. NATURAL-BASED MICA NETWORKS AS NANOREACTOR FOR ENZYMES IN CHIRAL SYNTHESES

MALAYSIA TECHNOLOGY EXPO 2011

2011 KEBANGSAAN SILVER

16. NEW FELDSPAR-IMMOBILIZED BIOCATALYSTS FOR ORGANIC SYNTHESIS

Pertandingan Penyelidikan & Inovasi 2009 (NRIC)

2009 KEBANGSAAN BRONZE