



**PROF. MADYA DR.  
MOHD HAFEZ BIN MOHD  
ISA**

PENSYARAH UNIVERSITI DS14

## CONTACT

**Phone:** 6525

**E-mail:**

m.hafez@usim.edu.my

**Faculty:** Fakulti Sains  
Dan Teknologi

## SUPERVISION

PhD - Completed: 0, Ongoing: 1

Master - Completed: 13,  
Ongoing: 0

## AREAS OF EXPERTISE

Bioseparation Technology

Biosurfactant Technology

Occupational Safety And Health

## ACADEMIC QUALIFICATION

PhD in Food Biosciences (2008)

Master in Sains Nuklear (2001)

Bachelor in Sains Nuklear (2001)

## RESEARCH

### 1. MIZAN SOLAR HOME MODEL FOR SUSTAINABLE LIVELIHOOD

2017 GERAN PENYELIDIKAN KHAS COMPLETED CO-RESEARCHER

### 2. SYNTHESIS OF NANO-STRUCTURED COMPOSITE THIN FILM MEMBRANES BY NANOPARTICLE/SURFACTANT MATERIALS BLENDING WITH HIGH-FLUX AND FOULING RESISTANCE PROPERTIES

2016 GERAN KPT COMPLETED MAIN RESEARCHER

### 3. FABRICATION OF MODIFIED NANOFILTRATION MEMBRANE FOR THE REMOVAL OF INDUSTRIAL ENDOCRINE DISRUPTING CHEMICALS (EDCS)

2016 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED MAIN RESEARCHER

### 4. HIGHLY EFFICIENT RECOVERY OF SURFACTIN VIA ONE-STEP MICELLAR ENHANCED ULTRAFILTRATION(MEUF) TECHNIQUE

2016 GERAN PENYELIDIKAN TRANSNASIONAL COMPLETED MAIN RESEARCHER

**5. PENGURUSAN SUMBER AIR HUJAN PERINGKAT  
BANDARAYA DI PAYA INDAH WETLAND-PILOT PLANT  
MEMBRANE WATER TREATMENT SYSTEM**

2015 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED MAIN  
RESEARCHER

# RESEARCH

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## 6. SYNTHESIS OF NOVEL ACTIVE CHITOSAN SURFACTANT NANOFILTRATION MEMBRANES FOR DYES WASTERWATER AND HEAVY METAL REMOVAL

2015 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED MAIN RESEARCHER

## 7. DESIGN AND FABRICATION OF STATE-OF-ART CAPILLARY SPINNING SYSTEM (CAPSYS) AND THE PRODUCTION OF NOVEL ACTIVE NARROW-PORES ULTRAFILTRATION CAPILLARY (ULTRA-CAP) FIBER MEMBRANES

2014 GERAN PENYELIDIKAN KOMPETITIF KLUSTER COMPLETED MAIN RESEARCHER

## 8. ASSESSMENT THE EFFECTS OF HYDROPHILIC SURFACTANT ON THE KEY PROPERTIES, FINE STRUCTURAL DETAILS AND SURFACE CHARGE OF ENHANCED ASYMMETRIC NANOFILTRATION-SURFACTANT (NFS) MEMBRANES BASED ON DYES WASTEWATER

2013 GERAN KPT COMPLETED CO-RESEARCHER

## 9. TAILORING OF PORES, PORE STATISTICS AND PORE STRUCTURES IN POLYMERIC PHASE INVERSION NARROW-PORES ULTRAFILTRATION (NP-UF) MEMBRANES VIA SURFACTANTS ADDITIVES

2013 GERAN KPT COMPLETED CO-RESEARCHER

## 10. INVESTIGATION OF SURFACTIN ISOFORMS PRODUCTION AND ACTIVITY AGAINST VARIOUS TYPES OF PATHOGENIC BACTERIA

2012 GERAN KPT COMPLETED MAIN RESEARCHER

## 11. 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 MAIN RESEARCHER

## 12. HIGHLY EFFICIENT AND COST EFFECTIVE SINGLE-STEP ULTRAFILTRATION (UF) TECHNIQUE FOR RECOVERY AND PURI

2012 GERAN KPT COMPLETED MAIN RESEARCHER

## 13. INVESTIGATION OF FENGYCIN ISOFORMS PRODUCTION BY NOVEL ISOLATES OF BACILLUS SUBTILIS AND ITS ACTIVITY AGAINST VARIOUS TYPES OF FUNGI.

2012 GERAN PENYELIDIKAN USIM COMPLETED MAIN RESEARCHER

## 14. EXPLOITATION OF NOVEL LOCAL ISOLATES OF B. SUBTILIS FOR SURFACTIN YIELD AND ISOFORMS PRODUCTION INVE

2011 GERAN PENYELIDIKAN FUNDAMENTAL COMPLETED MAIN RESEARCHER

## 15. THE STUDY OF CELLULOSE-BASED HYBRID SOLID POLYMER ELECTROLYTES

2010 GERAN KPT COMPLETED CO-RESEARCHER

## 16. PRODUCTION OF SURFICITION BY B.SUBTILIS ATCC 21332 USING PALM OIL MILL EFFLUENT (POME) AS FERMENTATION MEDIA

2009 GERAN PENYELIDIKAN FUNDAMENTAL COMPLETED MAIN RESEARCHER

# PUBLICATION

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## 1. COSMOGENIC RADIONUCLIDE BERYLLIUM-7 SKEWED DATA PREPROCESSING FOR NORTHEAST MONSOON FORECASTING IN MALAYSIA

JURNAL KEJURUTERAAN

2024 JOURNAL OTHER DATABASE CO-AUTHOR

## 2. CONCENTRATION OF BERYLLIUM-7 IN TANAH RATA, CAMERON HIGHLANDS DURING NORTHEAST MONSOON SEASONS

JOURNAL OF RADIATION AND NUCLEAR APPLICATIONS

2024 JOURNAL OTHER DATABASE CO-AUTHOR

## 3. A STUDY ON SURFACE AIR BERYLLIUM-7 CONCENTRATION AT RADIONUCLIDE STATION IN TANAH RATA, CAMERON HIGHLANDS (MYP42) DURING SOUTHWEST MONSOON SEASONS IN MALAYSIA

THE INTERNATIONAL NUCLEAR SCIENCE, TECHNOLOGY, AND ENGINEERING CONFERENCE 2023 (INUSTEC2023)

2024 PROCEEDING NON-INDEX CO-AUTHOR

## 4. FABRICATION OF POLYETHERSULFONE ? POLYITACONIC ACID (PES-PIA) MEMBRANE FOR REMOVAL OF REACTIVE RED 120

INTERNATIONAL JOURNAL OF INNOVATION AND INDUSTRIAL REVOLUTION (IJIREV)

2023 JOURNAL MYCITE CORRESPONDING AUTHOR

## 5. BIBLIOMETRIC ANALYSIS OF COSMOGENIC RADIONUCLIDE USE IN ENVIRONMENTAL RESEARCH

KOLOKIUUM SISWAZAH SAINS DAN TEKNOLOGI 2022

2022 PROCEEDING NON-INDEX CO-AUTHOR

## 6. WATER TREATMENT FROM FIQH AND SCIENCE PERSPECTIVES

ENHANCING HALAL SUSTAINABILITY

2021 CHAPTER IN BOOK CO-AUTHOR

## 7. BLUEPRINT KELESTARIAN USIM: MENYEMARAKKAN KAMPUS BARAKAH

2021 POLICY

## 8. EVALUATION OF ANTIBACTERIAL POTENTIAL OF BIOSURFACTANT PRODUCED BY SURFACTIN-PRODUCING BACILLUS ISOLATED FROM SELECTED MALAYSIAN FERMENTED FOODS

FOOD BIOTECHNOLOGY

2020 JOURNAL ISI MAIN AUTHOR

## 9. DEVELOPMENT OF POLYETHERSULFONE (PES)/REDUCED GRAPHENE OXIDE NANOCOMPOSITE NANOFILTRATION MEMBRANE

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2020 JOURNAL INDEXED BY WOS MAIN AUTHOR

## 10. MEMBRANE WATER TREATMENT: A REVIEW IN ISLAMIC AND SCIENCE PERSPECTIVE

INTERNATIONAL JOURNAL OF PSYCHOSOCIAL REHABILITATION

2020 JOURNAL ERA CO-AUTHOR

## 11. MEMBRANE WATER TREATMENT: A REVIEW IN ISLAMIC AND SCIENCE PERSPECTIVE

THE JOURNAL OF SOCIAL SCIENCES RESEARCH

2018 JOURNAL SCOPUS CO-AUTHOR

## 12. SINGLE STEP CROSS-FLOW ULTRAFILTRATION TECHNIQUE FOR RECOVERY AND PURIFICATION OF SURFACTIN PRODUCED BY BACILLUS SUBTILIS MSH1

INTERNATIONAL JOURNAL OF PHARMA AND BIO SCIENCES

2018 JOURNAL SCOPUS MAIN AUTHOR

## 13. FABRICATION AND CHARACTERISATION OF POLYETHERSULFONE/CHITOSAN/NON-IONIC NANOFILTRATION MEMBRANE FOR DYES REMOVAL

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY

2018 PROCEEDING NON-INDEX CO-AUTHOR & CO-EDITOR

# PUBLICATION

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## 14. DEVELOPMENT OF POLYETHERSULFONE (PES)/SILVER NANOPARTICLES (AGNPS)/POLYETHYLENE GLYCOL (PEG) NANOFILTRATION MEMBRANE

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY

2018 PROCEEDING NON-INDEX CO-AUTHOR & CO-EDITOR

## 15. DEVELOPMENT OF CHITOSAN/PLURONIC F108/POLYETHERSULFONE (PES) NANOFILTRATION (NF) MEMBRANE FOR OILY WASTEWATER TREATMENT

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY

2018 PROCEEDING NON-INDEX CO-AUTHOR & CO-EDITOR

## 16. INDUSTRI HALAL (TEKNOLOGI DAN PENGURUSAN MAKLUMAT)

2018 BOOK CO-AUTHOR

## 17. KINETICS OF SURFACTIN PRODUCTION BY BACILLUS SUBTILIS IN A 5 L STIRRED-TANK BIOREACTOR

SAINS MALAYSIANA

2017 JOURNAL WOS MAIN AUTHOR

## 18. ASSESSMENT OF PERFORMANCE AND MORPHOLOGICAL STRUCTURES OF ASYMMETRIC PES/SURFACTANT MEMBRANES FOR NANOFILTRATION OF DYES WASTEWATER

JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2017 JOURNAL WOS CO-AUTHOR

## 19. ANTIBACTERIAL ACTIVITY OF SURFACTIN PRODUCED BY BACILLUS SUBTILIS MSH1

TRANSACTIONS ON SCIENCE AND TECHNOLOGY

2017 JOURNAL OTHER DATABASE MAIN AUTHOR

## 20. INTRODUCTION TO CHEMICAL SAFETY

2017 BOOK MAIN AUTHOR

## 21. S&T CONVERGING TRENDS IN DEALING WITH DISASTER: A REVIEW ON AI TOOLS

AIP CONFERENCE PROCEEDINGS

2016 JOURNAL WOS CO-AUTHOR

## 22. ISOLATION OF A CLOSTRIDIUM ACETOBUTYLICUM STRAIN AND CHARACTERIZATION OF ITS FERMENTATION PERFORMANCE ON AGRICULTURAL WASTES

RENEWABLE ENERGY

2016 JOURNAL WOS CO-AUTHOR

## 23. THE EFFECT OF GAMMA IRRADIATION ON CHITOSAN AND ITS APPLICATION AS A PLANT GROWTH PROMOTER IN CHINESE KALE (BRASSICA ALBOGLABRA)

AIP CONFERENCE PROCEEDINGS

2016 JOURNAL WOS MAIN AUTHOR

## 24. THE EFFECT OF POLYMER CONCENTRATION AND SURFACTANT TYPES ON NANOFILTRATION-SURFACTANT MEMBRANE FOR TEXTILE WASTEWATER

MALAYSIAN JOURNAL OF ANALYTICAL SCIENCES

2016 JOURNAL SCOPUS CO-AUTHOR

## 25. PRODUCTION, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF SURFACTIN PRODUCED BY BACILLUS SUBTILIS MSH1

BORNEO BIOTECH SYMPOSIUM 2016

2016 PROCEEDING NON-INDEX MAIN AUTHOR

## 26. BENEFITS OF PROPHETIC FRUITS

CHEMISTRY OF FOOD, HEALTH AND TECHNOLOGY IN ISLAMIC CITATIONS

2016 CHAPTER IN BOOK CO-AUTHOR

# PUBLICATION

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## 27. A NEW STRAIN OF DOCOSAHEXAENOIC ACID PRODUCING MICROALGA FROM MALAYSIAN COASTAL WATERS

ALGAL RESEARCH

2015 JOURNAL WOS CO-AUTHOR

## 28. A SIMPLE AND EFFECTIVE ISOCRATIC HPLC METHOD FOR FAST IDENTIFICATION AND QUANTIFICATION OF SURFACTIN

SAINS MALAYSIANA

2015 JOURNAL WOS MAIN AUTHOR

## 29. RESPONSE SURFACE METHODOLOGY FOR BIOBUTANOL OPTIMIZATION USING LOCALLY ISOLATED CLOSTRIDIUM ACETOBUTYLICUM YM1

INTERNATIONAL JOURNAL OF GREEN ENERGY

2015 JOURNAL WOS CO-AUTHOR

## 30. ISOLATION AND SCREENING OF BIOSURFACTANT-PRODUCING BACILLUS SUBTILIS IN LOCAL TRADITIONAL FERMENTED FOODS

INTERNATIONAL CONFERENCE ON SCIENCE, TECHNOLOGY, ENGINEERING AND MANAGEMENT

2015 PROCEEDING NON-INDEX MAIN AUTHOR

## 31. MODIFIED FERMENTATION MEDIA FOR ENHANCED PRODUCTION OF SURFACTIN BY LOCAL ISOLATED BACILLUS SUBTILIS

INTERNATIONAL CONFERENCE ON SCIENCE, TECHNOLOGY, ENGINEERING AND MANAGEMENT

2015 PROCEEDING NON-INDEX MAIN AUTHOR

## 32. ISOLATION AND IDENTIFICATION OF SURFACTIN PRODUCER FROM LOCAL ISOLATES OF BACILLUS SUBTILIS

3RD INTERNATIONAL SCIENCE POSTGRADUATE CONFERENCE 2015

2015 PROCEEDING NON-INDEX MAIN AUTHOR

## 33. INFLUENCE OF N-LIMITATION ON MALIC ENZYME ISOFORMS AND LIPOGENESIS OF CUNNINGHAMELLA BAINIERI 2A1

JURNAL TEKNOLOGI

2014 JOURNAL SCOPUS CO-AUTHOR

## 34. THE ACTION OF COLEUS AROMATICUS AS A POTENTIAL WOUND HEALING AGENT IN EXPERIMENTALLY INDUCED DIABETIC MICE

PERINTIS E-JOURNAL

2014 JOURNAL ERA CO-AUTHOR

## 35. BIOBUTANOL PRODUCTION FROM PALM KERNEL CAKE (PKC) USING CLOSTRIDIUM SACCHAROPERBUTYLACETONICUM N1-4 IN BATCH CULTURE FERMENTATION

BIORESOURCES

2014 JOURNAL WOS CO-AUTHOR

## 36. RESPONSE SURFACE METHODOLOGY FOR BIOBUTANOL OPTIMIZATION USING LOCALLY ISOLATED CLOSTRIDIUM ACETOBUTYLICUM YM1

INTERNATIONAL JOURNAL OF GREEN ENERGY

2014 JOURNAL WOS CO-AUTHOR

## 37. ANTIMICROBIAL ACTIVITY OF THE ETHANOLIC EXTRACT OF COLEUS AROMATICUS AGAINST COMMON WOUND PATHOGENS

RESEARCH JOURNAL OF PHARMACEUTICAL, BIOLOGICAL AND CHEMICAL SCIENCES

2014 JOURNAL WOS CO-AUTHOR

## 38. IMPROVED PREDICTION FOR MEDIUM OPTIMIZATION USING FACTORIAL SCREENING FOR DOCOSAHEXAENOIC ACID PRODUCTION BY SCHIZOCHYTRIUM SP. SW1

AMERICAN JOURNAL OF APPLIED SCIENCES

2014 JOURNAL SCOPUS CO-AUTHOR

## 39. SINGLE-STEP CROSS-FLOW ULTRAFILTRATION FOR RECOVERY AND PURIFICATION OF SURFACTIN PRODUCED BY BACILLUS SUBTILIS ATCC 21332

INTERNATIONAL CONFERENCE ON CHEMICAL, ENVIRONMENT & BIOLOGICAL SCIENCES

2014 JOURNAL ERA CO-AUTHOR

# PUBLICATION

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## 40. EFFECT OF HEAT AND FILTER STERILIZATION ON THE EFFICIENCY OF COLEUS AROMATICUS AS AN ANTIBACTERIAL AGENT AGAINST DIABETIC WOUND PATHOGENS

INTERNATIONAL JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES

2014 JOURNAL SCOPUS CO-AUTHOR

## 41. A STUDY ON THE EFFECT OF POLYMER CONCENTRATION & SURFACTANT ON PERFORMANCE AND MOLECULAR ORIENTATION OF NANOFILTRATION-SURFACTANT MEMBRANES

INTERNATIONAL JOURNAL OF CHEMICAL AND ENVIRONMENTAL ENGINEERING

2014 JOURNAL ERA CO-AUTHOR

## 42. THE EFFECT OF GAMMA IRRADIATION ON THE CHEMICAL STRUCTURE AND SURFACE CHARACTERISTICS OF DIPALMITOYLPHOSPHATIDYLCHOLINE (DPPC)

MALAYSIAN JOURNAL OF ANALYTICAL SCIENCES

2013 JOURNAL WOS CO-AUTHOR

## 43. WOUND HEALING ACTIVITY OF COLEUS AROMATICUS IN EXPERIMENTALLY INDUCED DIABETIC MICE

ASIAN JOURNAL OF MICROBIOLOGY, BIOTECHNOLOGY & ENVIRONMENTAL SCIENCES

2013 JOURNAL SCOPUS CO-AUTHOR & CO-EDITOR

## 44. ISOLATION AND MOLECULAR IDENTIFICATION OF SURFACTIN-PRODUCING BACILLUS SUBTILIS

INTERNATIONAL CONFERENCE ON BIOCHEMICAL, PHARMACEUTICAL SCIENCES AND CHEMICAL ENGINEERING

2013 JOURNAL WOS CO-AUTHOR & CO-EDITOR

## 45. PRODUCTION OF SURFACTIN FROM BACILLUS SUBTILIS ATCC 21332 BY USING TREATED PALM OIL MILL EFFLUENT (POME) AS FERMENTATION MEDIA

INTERNATIONAL CONFERENCE ON FOOD AND AGRICULTURAL SCIENCES

2013 JOURNAL WOS CO-AUTHOR & CO-EDITOR

## 46. ISOLATION AND MOLECULAR IDENTIFICATION OF SURFACTIN-PRODUCING BACILLUS SUBTILIS

INTERNATIONAL CONFERENCE ON BIOCHEMICAL, PHARMACEUTICAL SCIENCES AND CHEMICAL ENGINEERING

2013 PROCEEDING NON-INDEX CO-AUTHOR

## 47. PRODUCTION OF SURFACTIN FROM BACILLUS SUBTILIS ATCC 21332 BY USING TREATED PALM OIL MILL EFFLUENT (POME) AS FERMENTATION MEDIA

INTERNATIONAL CONFERENCE ON FOOD AND AGRICULTURAL SCIENCES

2013 PROCEEDING NON-INDEX EDITOR

## 48. CLEANING POTENTIAL OF SURFACTIN ON FOULED ULTRAFILTRATION (UF) MEMBRANES

SAINS MALAYSIANA

2012 JOURNAL WOS MAIN AUTHOR

## 49. PRODUCTION OF SURFACTIN FROM BACILLUS SUBTILIS ATCC 21332 BY USING PALM OIL MILL EFFLUENT (POME) AS FERMENTATION MEDIA

MALAYSIAN INTERNATIONAL CONFERENCE ON TRENDS IN BIOPROCESS ENGINEERING(MICOTRIBE) 2012

2012 PROCEEDING NON-INDEX CO-AUTHOR

## 50. SURFACE ACTIVITY OF SURFACTIN RECOVERED AND PURIFIED FROM FERMENTATION BROTH USING A TWO-STEP ULTRAFILTRATION (UF) PROCESS

SAINS MALAYSIANA

2011 JOURNAL WOS MAIN AUTHOR

## 51. INVESTIGATION OF CLEANING POTENTIAL OF SURFACTIN ON FOULED ULTRAFILTRATION (UF) MEMBRANES

INTERNATIONAL CONFERENCE OF CHEMICAL ENGINEERING AND INDUSTRIAL BIOTECHNOLOGY 2011

2011 PROCEEDING NON-INDEX MAIN AUTHOR

## 52. PRELIMINARY STUDY OF SURFACTIN PRODUCTION BY MALAYSIAN ISOLATES OF BACILLUS SUBTILIS

INTERNATIONAL SEMINAR ON THE APPLICATION OF SCIENCE AND METHAMATICS

2011 PROCEEDING NON-INDEX CO-AUTHOR

# PUBLICATION

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## 53. A FURTHER STUDY OF THE RECOVERY AND PURIFICATION OF SURFACTIN FROM FERMENTATION BROTH BY MEMBRANE FILTRATION

SEPARATION AND PURIFICATION TECHNOLOGY

2008

JOURNAL

WOS

MAIN AUTHOR

## 54. RECOVERY AND PURIFICATION OF SURFACTIN FROM FERMENTATION BROTH BY A TWO-STEP ULTRAFILTRATION PROCESS

JOURNAL OF MEMBRANE SCIENCE

2007

JOURNAL

WOS

MAIN AUTHOR

# CONSULTATION

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## 1. MSOSH 42ND OSH AWARD

MSOSH

2024 NATIONAL

## 2. 41ST MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH) OSH AWARD 2023 - ARA DAMANSARA MEDICAL CENTRE

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2023 NATIONAL

## 3. 41ST MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH) OSH AWARD 2023 - SYNERLITZ (MALAYSIA) SDN BHD

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2023 NATIONAL

## 4. 41ST MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH) OSH AWARD 2023 - EDRA POWER HOLDING SDN BHD - JIMAH POWER STATION

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2023 NATIONAL

## 5. 40TH MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH OSH AWARD (MEDIVEST SDN BHD HOSPITAL TUANKU AMPUAN NAJIHAH, KUALA PILAH, N. SEMBILAN)

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2022 NATIONAL

## 6. 40TH MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH OSH AWARD (PENGURUSAN AIR SELANGOR SDN BHD CAWANGAN WILAYAH SEPANG, SELANGOR)

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2022 NATIONAL

# AWARDS/RECOGNITION

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## 1. TRAINER / FACILITATOR

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2025 NATIONAL

## 2. TRAINER / FACILITATOR

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2025 NATIONAL

## 3. TRAINER / FACILITATOR

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2025 NATIONAL

## 4. TRAINER / FACILITATOR

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2025 NATIONAL

## 5. TRAINER / FACILITATOR

MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

2025 NATIONAL

## 6. TRAINER / FACILITATOR

PENGURUSAN AIR SELANGOR SDN BHD WILAYAH KUALA SELANGOR

2025 NATIONAL

## 7. TRAINER / FACILITATOR

PETRONAS MANAGEMENT TRAINING SDN. BHD, PETRONAS LEADERSHIP CENTRE

2025 NATIONAL

## 8. TRAINER / FACILITATOR

PENGURUSAN AIR SELANGOR SDN BHD IBU PEJABAT

2025 NATIONAL

## 9. TRAINER / FACILITATOR

MISC BERHAD, AKADEMI LAUT MALAYSIA (ALAM)

2025 NATIONAL

## 10. TRAINER / FACILITATOR

PENGURUSAN AIR SELANGOR SDN BHD LOJI RAWATAN AIR SEMENYIH 2

2025 NATIONAL

## 11. CONVERSION OF WASTEPAPER TO GLUCOSE AS AN ALTERNATIVE TO INCINERATION: TECHNO-ECONOMIC ANALYSIS AND SAFETY ASSESSMENT

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

## 12. COSMOGENIC RADIONUCLIDE FOR CIVIL APPLICATION: BE-7 AND APPLICATION OF TRANS-EQUATORIAL METHOD FOR NORTHEAST MONSOON FORECASTING IN MALAYSIA

INNOVATION BANK CHALLENGE 2023 (IBC2023)

2023 UNIVERSITI SILVER

## 13. CONVERSION OF WASTEPAPER TO GLUCOSE AS AN ALTERNATIVE TO INCINERATION: TECHNO-ECONOMIC ANALYSIS AND SAFETY ASSESSMENT

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

2023 UNIVERSITI GOLD

#### 14. PES-PIA MEMBRANE FOR REACTIVE RED DYES REMOVAL

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

2023

UNIVERSITI

GOLD

# AWARDS/RECOGNITION

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## 15. TIDAK DINYATAKAN

BACHELOR OF SCIENCE (HONS) INDUSTRIAL CHEMICAL TECHNOLOGY FACULTY OF SCIENCE & TECHNOLOGY SEMESTER I

2023 UNIVERSITI CERTIFICATE OF APPRECIATION

## 16. ANUGERAH PERKHIDMATAN SETIA USIM 2019

2019 UNIVERSITY

## 17. ACADEMIC ADVISOR

UNIVERSITI KEBANGSAAN MALAYSIA (UKM)

2019 NATIONAL

## 18. DEVELOPMENT OF POLYETHERSULFONE (PES)/PLURONIC F108/T102 NANOPARTICLES/HYPER BRANCHED PEGMEMBRANE

INTERNATIONAL SCIENCE AND SOCIAL SCIENCE INNOVATION COMPETITION i-SIC 2019

2019 ANTARABANGSA SILVER

## 19. ACADEMIC ADVISOR

USA PASSION DEVELOPMENT SDN. BHD.

2018 NATIONAL

## 20. KHUDR NANOFIL MEMBRANE

ISLAMIC INNOVATION STUDENT COMPETITION 2018 (IREKA'18)

2018 UNIVERSITI GOLD

## 21. PES/RGO NANOCOMPOSITE NANOFILTRATION MEMBRANE FOR DYES REMOVAL

i-INOVA 2018

2018 UNIVERSITI BRONZE

## 22. DEVELOPMENT OF PLURONIC F108/SILVER NANOPARTICLES (AGNPS) INCORPORATED POLYETHERSULFONE (PES)/POLYETHYLENE GLYCOL (PEG) BLEND NANOFILTRATION MEMBRANES

i-INOVA 2018

2018 UNIVERSITI BRONZE

## 23. TOP 100 RESEARCHERS USIM ( 2013-2017)

TOP 100 RESEARCHERS

2018 UNIVERSITI CERTIFICATE OF APPRECIATION

## 24. PROFESSIONAL HALAL TRAINING PROGRAMME

THE INTERNATIONAL CONFERENCE AND EXPOSITION ON INVENTION (PECIPTA 17)

2017 UNIVERSITI SILVER

## 25. CHICKEN EGG SHELL (CHES) MEMBRANES FOR PROTEIN SEPARATION

27TH INTERNATIONAL INVENTION & INNOVATION EXHIBITION 2016 (ITEX 2016)

2016 ANTARABANGSA GOLD

## 26. MARINE BIO-WASTE ACTIVE UF MEMBRANE

BRITISH INVENTION SHOW 2015 (BIS 2015)

2015 ANTARABANGSA SILVER

## 27. STATE-OF-THE-ART FIBER SPINNING TECHNOLOGY (FIST)

Pertandingan Ekspo Ciptaan Institusi Pengajian Tinggi dan Antarabangsa (PECIPTA) 2015

2015 ANTARABANGSA BRONZE

**28. NOVEL ACTIVE MEMBRANE FOR DYES WASTEWATER - (KATEGORI : SAINS & TEKNOLOGI)**

PERTANDINGAN REKACIPTA DAN INOVASI ISLAM USIM 2014 (I-REKA 14)

2014

UNIVERSITI

GOLD

# AWARDS/RECOGNITION

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## 29. NOVEL ACTIVE MEMBRAN EFOR DYES WASTEWATER

PERTANDINGAN NOVEL RESEARCH INNOVATION AND COMPETITION (NRIC 2014)

2014 KEBANGSAAN GOLD

## 30. NOVEL GREEN ACTIVE NANOFILTRATION GANF

British Invention Show (Bis 2014)

2014 ANTARABANGSA GOLD

## 31. NOVEL GREEN ACTIVE NANOFILTRATION MEMBRANE FOR DYES WASTEWATER TREATMENT

EKSPO INOVASI ISLAM I-INOVA 2014

2014 KEBANGSAAN SILVER