



INTERNATIONAL INNOVATION AWARDS 2022

Silver Winners

INNOVATION TITLE	CATEGORY	ORGANIZATION
BPB MANAGEMENT PACKAGE: A SOLUTION TO BACTERIAL PANICLE BLIGHT DISEASE THREATENING OUR FOOD SECURITY	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	MALAYSIAN AGRICULTURE RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)
LOCAL DABAI (CANARIUM ODONTOPHYLLUM MIQ.) KERNEL SPREAD	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	UNIVERSITY OF TECHNOLOGY SARAWAK
BIOTERASAFE BACILLUS: POTENTIAL BIOPESTICIDE FROM LABORATORY TO RICE GROWERS	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	UNIVERSITI TEKNOLOGI MARA
A NOVEL PROTOPLAST TRANSFORMATION TECHNOLOGY FOR GANODERMA BONINENSE	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	MALAYSIAN PALM OIL BOARD
YOUNG COCONUT FIBRE AND COCOPEAT EXTRACTOR: TURNING WASTE TO CASH	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	MALAYSIAN AGRICULTURE RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)
VIEWFINDER : SMARTPHONE ACCESSORIES FOR SOLO CREATORS TO SELF-MONITORING DURING VIDEO RECORDING FOR SOCIAL MEDIA CONTENT	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY	COLLEGE OF CREATIVE ARTS, UNIVERSITI TEKNOLOGI MARA (UITM) SHAH ALAM
D-PEN : PEN READER FOR DYSLEXIA STUDENTS	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY	COLLEGE OF CREATIVE ARTS, UNIVERSITI TEKNOLOGI MARA (UITM) SHAH ALAM
THE TRANSFORMATION OF WOMEN BUCKLE INTO MULTIFUNCTION CONTEMPORARY FASHION ACCESSORIES INSPIRED BY MALAY TRADITIONAL PENDING	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY	COLLEGE OF CREATIVE ARTS



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MODERNIZATION OF THE INJECTION DYES TECHNOLOGY ON THE TRADITIONAL NATURAL FIBRES BATIK PRINTING QUALITY	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY	UNIVERSITI TEKNOLOGI MARA (UITM)
MALAYSIAN BATIK RICE TUREEN	MACHINERY, EQUIPMENT AND TOOLS (HEAVY EQUIPMENTS, INDUSTRIAL MACHINERY)	COLLAGE OF CREATIVE ARTS, UNIVERSITI TEKNOLOGI MARA
BIOSIL NANO HYDROGEL: APPLICATION OF BIOAGNPS-CNC/ALG AS AN ANTIBACTERIAL HYDROGEL FILM AGAINST ANTIBIOTIC RESISTANT BACTERIA	MACHINERY, EQUIPMENT AND TOOLS (HEAVY EQUIPMENTS, INDUSTRIAL MACHINERY)	QUEST INTERNATIONAL UNIVERSITY
MILLING RACHET SPECIAL TOOL (MIRAST)	MACHINERY, EQUIPMENT AND TOOLS (HEAVY EQUIPMENTS, INDUSTRIAL MACHINERY)	INSTITUT KEMAHIRAN MARA JOHOR BAHRU
INTELLIGENT PD ANTENNA WITH INTEGRATION OF NOISE SUPPRESSION PATCHES IN COMBINATION WITH HYBRID PD SOM AND STATISTICAL EXTRACTION FEATURES CLASSIFICATION FOR POWER TRANSFORMER	MACHINERY, EQUIPMENT AND TOOLS (HEAVY EQUIPMENTS, INDUSTRIAL MACHINERY)	UNIVERSITI TEKNIKAL MALAYSIA MELAKA
A REVERSE ENGINEERING SOLUTION FOR REPAIR AND RESTORATION USING SUSTAINABLE MANUFACTURING METHOD	MANUFACTURING PROCESS AND ADVANCED MATERIALS	UNIVERSITY OF TECHNOLOGY SARAWAK
A METHOD OF MAKING COMPREG PALM WOOD	MANUFACTURING PROCESS AND ADVANCED MATERIALS	INSTITUTE OF TROPICAL FORESTRY AND FOREST PRODUCTS (INTROP), UNIVERSITI PUTRA MALAYSIA



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SUSTAINABLE DRYING OF ROSMARINUS OFFICINALIS L. THROUGH INTERMITTENT MICROWAVE DRYING APPROACH FOR ENHANCED PRESERVATION OF BIOACTIVE COMPOUNDS AND HIGHER ENERGY EFFICIENCY	MANUFACTURING PROCESS AND ADVANCED MATERIALS	TAYLOR'S UNIVERSITY LAKESIDE CAMPUS
MYNUTEC LUTHOR: LUTETIUM-177 TARGETED RADIONUCLIDE THERAPY HIGH YIELD OF RTP	MANUFACTURING PROCESS AND ADVANCED MATERIALS	MALAYSIAN NUCLEAR AGENCY
ENAPOLYLA: ECO-FILAMENT OF FUSED DEPOSITION MODELING	MANUFACTURING PROCESS AND ADVANCED MATERIALS	UNIVERSITI TEKNIKAL MALAYSIA MELAKA
ANTHOCYANIN CARRIER GENERATOR FOR ZINC OXIDE BASED DYE-SENSITIZED SOLAR CELLS	MANUFACTURING PROCESS AND ADVANCED MATERIALS	UNIVERSITI MALAYSIA PERLIS
TUTIO2 (TUBULAR TITANIUM DIOXIDE)	MANUFACTURING PROCESS AND ADVANCED MATERIALS	KOLEJ KEMAHIRAN TINGGI MARA (KKTMM) MASJID TANAH
SOAP -WASTE COOKING OIL BASED (SWOB)	MANUFACTURING PROCESS AND ADVANCED MATERIALS	UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTEM)
OIL-BASED DEFOAMER FOR OIL AND GAS APPLICATIONS	MANUFACTURING PROCESS AND ADVANCED MATERIALS	UNIVERSITI TEKNOLOGI PETRONAS
METAKAOLIN BASED ALKALI ACTIVATED MATERIALS AS AN EFFECTIVE COPPER IONS ADSORPTION FOR WASTEWATER TREATMENT APPLICATION	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI MALAYSIA PERLIS



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ECO-BSM19	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	DEPARTMENT OF IRRIGATION AND DRAINAGE MUAR, JOHOR
SMART PORTABLE CARBON MEMBRANE FOR HELIUM RECOVERY	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI MALAYSIA PAHANG
PASSIVE VENTILATION AND COOLING WITH A TWIN-BUILDING METHOD	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI MALAYSIA SARAWAK
STAND ALONE FLOATING PHOTOVOLTAIC SYSTEM AT RURAL AREA	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI TENAGA NASIONAL
PT-TNTS: A CATALYST FOR CONVERSION OF CO2 TO CH4	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI MALAYSIA PAHANG
NANO FLAT SHEET MEMBRANE FILTRATION USING SILICA SUGARCANE BAGASSE AS ADDITIVE FOR HEAVY METALS REJECTION	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI TEKNOLOGI MARA
SMART FILTRATION BOX FOR WASTE COOKING OIL	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI TEKNIKAL MALAYSIA MELAKA
COOL SOUND: COOLING TECHNOLOGY WITHOUT REFRIGERANTS	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI TEKNIKAL MALAYSIA MELAKA



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ENRICHMENT OF IRON ORE CONCENTRATE (EIOC) TECHNOLOGY FROM SULPHIDE AND CARBONACEOUS MINERALS	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	MINERAL RESEARCH CENTRE, DEPARTMENT OF MINERAL AND GEOSCIENCE MALAYSIA
CONNECTED VEHICLE SYSTEM (CONVES)	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	TELEKOM RESEARCH & DEVELOPMENT SDN BHD
OLEOPHILIC POLYMER WASTE - OIL SOLIDIFIER (OPWOS)	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI TEKNIKAL MALAYSIA MELAKA
SUSTAINABLE APPROACH FOR ELIMINATING OF EMERGING POLLUTANT (ANTIBIOTICS) FROM NON-CLINICAL ENVIRONMENTS WITH ECO-GREEN ZNO NPS USING MACHINE LEARNING APPLICATION	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI TUN HUSSEIN ONN MALAYSIA
CENOSPHERE MORTA	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITY TENAGA NASIONAL
NOVEL BIOSORBENT FROM AGRO-WASTE (COCONUT DREGS) FOR HIGH BIOSORPTION OF DYE	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI MALAYSIA PERLIS (UNIMAP)
A FAST AND STABLE CHARGING SYSTEM USING PI CONTROLLER TECHNIQUE OR ELECTRIC SUPERCAPACITOR SCOOTER	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI MALAYSIA PERLIS



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S-IOTP: INTEGRATED SOLAR-IOT MONITORING AND PREDICTIVE MAINTENANCE SYSTEMS FOR IRRIGATION	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI MALAYSIA KELANTAN
MHP TOOLBOX	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI TEKNOLOGI PETRONAS
A DROP TYPE FIXED BED REACTOR AND A METHOD FOR IN SITU UPGRADING OF BIO-OIL FROM BIOMASS	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI TEKNOLOGI PETRONAS
NOVEL LIQUID MEMBRANE REACTOR FOR GREEN PURIFICATION OF BIODIESEL	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI MALAYA
A NOVEL UMP DEMULSIFIER, ND-20-02 ASSISTED-MICROWAVE TECHNOLOGY FOR SEPARATION OF CRUDE OIL EMULSIONS	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	UNIVERSITI MALAYSIA PAHANG
MYGRECO: MY GREEN CONSTRUCTION SITE -CARBON EMISSIONS ASSESSMENT AND MONITORING TOOL	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	COLLEGE OF ENGINEERING, UNIVERSITI TEKNOLOGI MARA SHAH ALAM
TRACE MS: DESIGN A SMART INFRASTRUCTURE COVID-19 MONITORING, COMMUNICATION AND TECHNOLOGY OPERATIONAL SYSTEM	SAFETY & SECURITY	MANAGEMENT AND SCIENCE UNIVERSITY
MIZANIS-FUZE MAKERSPACE SOCIAL INNOVATION	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	INSTITUT PENDIDIKAN GURU KAMPUS SULTAN MIZAN



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THE DEVELOPMENT OF MASSAGE EQUIPMENT FROM EGG PANEL PAPER SHAPE FORMING	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	RAJAMANGALA UNIVERSITY OF TECHNOLOGY THANYABURI (RMUTT)
S-BIOCHAR SUSTAINABLE BIOCHAR REACTOR	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	UNIVERSITI MALAYSIA SARAWAK (UNIMAS)
INVESA 1.0: INTERACTIVE VIRTUAL ACADEMIC ADVISOR SYSTEM BASED ON PSYCHOLOGICAL PROFILES	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	UNIVERSITI MALAYSIA SARAWAK (UNIMAS)
SONATAR 3.1: SOCIAL ENTERPRISE SELF-ASSESSMENT KIT	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	ACCOUNTING RESEARCH INSTITUTE, UNIVERSITI TEKNOLOGI MARA
GLOBAL TAHFIZ GAME (GTG)	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	UNIVERSITI SAINS ISLAM MALAYSIA (USIM)
TEATER 3B: BULLY, BULLIED & BYSTANDER	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	UNIVERSITI MALAYSIA SARAWAK
AUDIT QUALITY METER (AQ-METER)	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	ACCOUNTING RESEARCH INSTITUTE, UNIVERSITI TEKNOLOGI MARA
DRFINTRACKER	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	UNIVERSITI TEKNOLOGI MARA
W@RK: LOCATION-BASED ATTENDANCE APPLICATION USING FACE RECOGNITION ON BLOCKCHAIN PLATFORM	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA
MGRI FOR SUSTAINABILITY OF MOSQUE	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	ACCOUNTING RESEARCH INSTITUTE, UNIVERSITI TEKNOLOGI MARA, MALAYSIA



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SELF-TRACK ORAL ULCER MOBILE APPLICATION	TELECOMMUNICATIONS, INFRASTRUCTURE & BROADCAST	UNIVERSITI TEKNOLOGI MARA (UITM)
IOT-BASED PEATLAND MONITORING WITH DATA ANALYTICS	TELECOMMUNICATIONS, INFRASTRUCTURE & BROADCAST	UNIVERSITI PUTRA MALAYSIA
CENTRALISED ACCESS MEASUREMENT AND LINE ASSESSMENT (CAMELIA)	TELECOMMUNICATIONS, INFRASTRUCTURE & BROADCAST	TELEKOM RESEARCH & DEVELOPMENT SDN BHD AND TM (LOB)
AUTOMATED SELF-OPTIMIZATION HANDOVER FOR THROUGHPUT MAXIMIZATION IN 5G NETWORKS	TELECOMMUNICATIONS, INFRASTRUCTURE & BROADCAST	MULTIMEDIA UNIVERSITY
INTELLIGENT RESOURCE ALLOCATION FOR DOWNLINK NOMA IN VELOCITY BASED CELLULAR 5G NETWORKS	TELECOMMUNICATIONS, INFRASTRUCTURE & BROADCAST	MULTIMEDIA UNIVERSITY
PORTABLE MOBILE RADIO BASE STATION ANALYZER	TELECOMMUNICATIONS, INFRASTRUCTURE & BROADCAST	UNIVERSITI MALAYSIA PERLIS
DATA ANALYTICS OF AUTOMATED AQUAPONICS SMART AGRICULTURE SYSTEM TO SUPPORT SUSTAINABLE DEVELOPMENT GOALS	TELECOMMUNICATIONS, INFRASTRUCTURE & BROADCAST	UNIVERSITI KUALA LUMPUR AND KOLEJ POLY-TECH MARA
HYBRID AIRSHIP DRONE	AVIATION AND TRANSPORTATION	UNIVERSITI PUTRA MALAYSIA
CAR SPOILER WITH LED STROBE LIGHTS	AVIATION AND TRANSPORTATION	FORMOSA PLASTICS CORPORATION



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SAFETY ASSESSMENT OF ADVANCED DRIVING ASSISTANCE SYSTEM BASED LEVEL 3 AUTONOMOUS VEHICLE USING HUMAN-IN-THE-LOOP INTERFACE FOR MALAYSIAN ENVIRONMENT	AVIATION AND TRANSPORTATION	UNIVERSITY OF NOTTINGHAM MALAYSIA
3D INDOOR UNIVERSITY/BUILDING MAP	AVIATION AND TRANSPORTATION	MULTIMEDIA UNIVERSITY
AIR QUALITY MONITORING TOOL FOR PASSENGER VEHICLES	AVIATION AND TRANSPORTATION	MULTIMEDIA UNIVERSITY
IN-VEHICLE ACTIVE MONITORING TOOL	AVIATION AND TRANSPORTATION	MULTIMEDIA UNIVERSITY
AUTOMATIC DRIVER COGNITIVE DISTRACTION DETECTION	AVIATION AND TRANSPORTATION	KOLEJ UNIVERSITI ISLAM MELAKA (KUIM)
HYBRID III 50TH PERCENTILE MALAYSIAN (H350M) FINITE ELEMENT MODEL	AVIATION AND TRANSPORTATION	UNIVERSITI TUN HUSSEIN ONN MALAYSIA
VEHICLE AUXILIARY SYSTEM VOICE COMMAND (VAUXVC)	AVIATION AND TRANSPORTATION	KOLEJ KEMAHIRAN TINGGI MARA (KKTM) MASJID TANAH
AUTONOMOUS WHEELCHAIR FOR CARRYING PILGRIMAGE TO PERFORM TAWAF AND SAIE	AVIATION AND TRANSPORTATION	UNIVERSITI TEKNOLOGI PETRONAS
CONSTRUCTION INDUSTRY IN A NEW NORM: CLOUD-BASED ARTIFICIAL INTELLIGENT (CB-AI) SYSTEM FOR PROJECT PLANNING APPROVAL	BUILDING	UNIVERSITI TUN HUSSEIN ONN MALAYSIA
DIAGNOSIS OF DETERIORATING ASSET BASED BIM DATA ANALYSIS (DIDABIM)	BUILDING	UNIVERSITI MALAYSIA PERLIS



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DAM VIBRATION RISK ASSESSMENT SYSTEM FOR HYDROPOWER	BUILDING	UNIVERSITI TENAGA NASIONAL
UTILIZATION OF BIO-CALCITE FROM MICROALGAE AS CEMENT REPLACEMENT IN CEMENT MORTAR FOR CONCRETE REPAIR AND REHABILITATION	BUILDING	UNIVERSITI MALAYA
GRETE ROOF	BUILDING	UNIVERSITY MALAYSIA PERLIS
GLAZED AND UNGLAZED LIGHTWEIGHT CENOSPHERE TILES	BUILDING	UNIVERSITI TENAGA NASIONAL
HEAT BARRIER TILE	BUILDING	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA
MONITORING BRIDGE SERVICEABILITY USING VIBRATION ASSESSMENT	BUILDING	UNIVERSITI TEKNOLOGI MARA (UITM) SHAH ALAM
3RD GENERATION EXPRESS FLOOD MITIGATION USING ELEVATED LARGE SCALE AQUEDUCTS AND AQUA ARTERIES	DISASTER, EMERGENCY AND CRISIS MANAGEMENT	NEXUS EC SDN BHD
POP-UP ONLINE: REVOLUTION ON VISIBLE ONLINE MEETING APPS - TO TRACK INDIVIDUAL VISIBILITY DURING ONLINE MEETING	EDUCATION TECHNOLOGY& PEDAGOGY	UNIVERSITI TEKNOLOGI MARA UITM CAWANGAN MELAKA
SMART DIGI EDU FACE MASK; EFFECTIVE COMMUNICATION IN THE CLASSROOM	EDUCATION TECHNOLOGY& PEDAGOGY	UNIVERSITI TEKNOLOGI MARA UITM CAWANGAN MELAKA
ZOOMFAST	EDUCATION TECHNOLOGY& PEDAGOGY	UNIVERSITI SAINS ISLAM MALAYSIA
CELIK SOLAT	EDUCATION TECHNOLOGY& PEDAGOGY	UNIVERSITI SAINS ISLAM MALAYSIA



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COGNITIVE BASED TEACHING STRATEGY FOR HIGH ORDER THINKING SKILLS	EDUCATION TECHNOLOGY& PEDAGOGY	FACULTY OF TECHNICAL AND VOCATIONAL EDUCATION, UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM)
MADS FOR ACCOUNTANTS	EDUCATION TECHNOLOGY& PEDAGOGY	UNIVERSITI TEKNOLOGI MARA
A MULTIMEDIA INTEGRATED ILLUSTRATION BOOK FOR YOUNG CHILDREN'S CLIMATE CHANGE EDUCATION	EDUCATION TECHNOLOGY& PEDAGOGY	ALY EARTH SQUAD
PROMOTING FINANCIAL LITERACY WITH FINLITE AMONG YOUNG ADULTS	EDUCATION TECHNOLOGY& PEDAGOGY	UNIVERSITI PENDIDIKAN SULTAN IDRIS
ONLINE DIGITAL EDUCATION PLATFORM	EDUCATION TECHNOLOGY& PEDAGOGY	UNIVERSITI PENDIDIKAN SULTAN IDRIS
RESKILLS EDTECH - A GLOBAL ONLIVE LEARNING PLATFORM	EDUCATION TECHNOLOGY& PEDAGOGY	RESKILLS EDTECH
MANAGEMENT SYSTEM FOR SCHOOL STUDENTS' ATTENDANCE DURING COVID-19 PANDEMIC WITH IOT BASED	EDUCATION TECHNOLOGY& PEDAGOGY	UNIVERSITI MALAYSIA PERLIS
DEVELOPMENT OF VISIBLE LIGHT GUIDANCE SYSTEM MODULE BASED ON POWER LINE NETWORK ARCHITECTURE	ELECTRICITY	JINWEN UNIVERSITY OF SCIENCE AND TECHNOLOG
A HIGH VOLTAGE SWITCHGEAR SAFETY SWITCHING SYSTEM	ELECTRICITY	UNIVERSITY OF TECHNOLOGY SARAWAK (UTS)



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SUSTAINABLE SOLAR PERIPATETIC RAPID CHARGING STATIONS SUPPLY NETWORK SUPPORTING ELECTRIC MOBILITY INFRASTRUCTURE	ELECTRICITY	TAYLOR'S UNIVERSITY
METHOD AND DATA ACQUISITION DATABASE OF BIO-PADDLE IN THE KIBO ISS MODULE FOR LONG TERM FLIGHT DURING THE SOLAR MINIMUM	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITI PUTRA MALAYSIA
ENVIRONMENTALLY FRIENDLY SMOKING DEVICE	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	DR. YA-KUAN CHOU
FORMULATION AND EVALUATION OF STARHEAL SKIN CREAM CONTAINING BIOACTIVE FRACTIONS ISOLATED FROM PLANTS FOR TOPICAL APPLICATION	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	QUEST INTERNATIONAL UNIVERSITY
ETHNOBOTANICAL STUDY ON POLYHERBAL FORMULATION OF HYDRANGEA SP, BERBERIS SP AND HEMIDESMUS SP IN TREATMENT OF UROLITHIASIS.	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	QUEST INTERNATIONAL UNIVERSITY
DOPAMINE TRANSPORTER CHECK SYSTEM AND OPERATION METHOD THEREOF	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	TAIPEI MEDICAL UNIVERSITY
SIT AND REACH TEST APP	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	FOOYIN UNIVERSITY
CHAMPIONBIO HIRAMINANO ENZYM	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	JIANMAO BIOTECH CO., LTD.



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PREPARATION METHOD AND USE OF LEMON FERMENTED PRODUCT	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	HUNGKUANG UNIVERSITY
VANILLIN HAVING TETRAMER STRUCTURE	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	N/A
USE OF LIGNOSUS RHINOCERUS MYCELIA ACTIVE SUBSTANCE FOR MANUFACTURING AN ANTIVIRAL COMPOSITION	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	GRAPE KING BIO
DEVELOPMENT OF OCULAR INFECTION RAPID DETECTION ASSAY	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	N/A
NOVEL SYNTHESIS OF GLUCOSAMINE NANOPARTICLES FROM SHRIMP SHELL WASTE	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	ATAROD ELM HIGH SCHOOL, TEHRAN, IRAN
IN VITRO GREEN SYNTHESIS OF COPPER NANO-PARTICLES FROM TURMERIC CURCUMIN AND ITS EFFECT ON BACTERIA CAUSING CONJUNCTIVITIS	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	SABA HIGH SCHOOL, TEHRAN, IRAN
A WEARABLE FOR CHILDREN WHILE PLAYING	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	1. WOLLONGONG UNIVERSITY, (AUSTRALIA) UNITED ARAB EMIRATES, 2. EMIRTES AVIATION UNIVERSITY, UNITED ARAB EMIRATES, 3. UNIVERSITY OF SHARJAH, UNITED ARAB EMIRATES, 4. BRUSSELS CAPITAL UNIVERSITY, TURKEY , 5. BRUSSELS CAPITAL UNIVERSITY, TURKEY
KIAMBANG SOAPAHOLIC : FROM WASTE TO WEALTH	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITI TUN HUSSEIN ONN MALAYSIA



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INDUCED PLURIPOTENT CELL LINES AND BIOBANK	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITI TUNKU ABDUL RAHMAN
REAL TIME DISTORTION CLASSIFICATION AND RANKING FOR LAPAROSCOPIC VIDEO	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	MULTIMEDIA UNIVERSITY
AI-BASED ROUTE PLANNING FOR A SUSTAINABLE HEALTHCARE SUPPLY CHAIN	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITI MALAYSIA PERLIS
SPECIMEN MANAGEMENT INFORMATION SYSTEM (SMIS) : WEB-BASED APPLICATION FOR DIGITALIZING LABORATORY SPECIMEN MANAGEMENT FOR COVID-19 DIAGNOSTIC TEST	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	INSTITUTE FOR MEDICAL RESEARCH (IMR) KUALA LUMPUR
DIABETIC WOUND HEALER: A NATURAL FINESSE	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITI SELANGOR
MYDIETCAM- A FOOD RECOGNITION BASED MOBILE DIET APPLICATION	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITI MALAYA
MASSAGE BAR ADDED WITH WATERMELON SKIN EXTRACT & MINT (COOL-LIT WATERMELON MASSAGE BAR)	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITI MALAYSIA KELANTAN
B-CARBOLINE BROMIDE DERIVATIVES: NEW, EFFECTIVE AND SAFE ANTICANCER AGENTS	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITI KUALA LUMPUR - ROYAL COLLEGE OF MEDICINE PERAK (UNIKL RCMP)
E-CLASS	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITI TEKNOLOGI PETRONAS



**INTERNATIONAL INNOVATION
 AWARDS 2022**

Silver Winners

INNOVATION TITLE	CATEGORY	ORGANIZATION
DEVELOPMENT OF AN INTEGRATED MEDICINE MANAGEMENT SYSTEM	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	QUEST INTERNATIONAL UNIVERSITY
EFFECTIVE VECTOR VARIANCE (EVV) IN MEASURING THE MULTIVARIATE DISPERSION	ICT	UNIVERSITI TUN HUSSEIN ONN MALAYSIA
STUDENT ATTENTION DEFICIT ALERT AND PROFILING SYSTEM (SADA)	ICT	TAYLOR'S UNIVERSITY, TAYLOR'S COLLEGE
HEALTHCAMP - FITNESS VIDEO STREAMING ANDROID APLICATION	ICT	TAYLOR'S UNIVERSITY, TAYLOR'S COLLEGE
SIDE MIRROR ASSISTANT	ICT	CHIHLEE UNIVERSITY OF TECHNOLOGY
DAILYCALM2: STRESS MANAGEMENT APPLICATION FOR ADOLESCENTS	ICT	FACULTY OF INFORMATION SCIENCE AND TECHNOLOGY, UNIVERSITI KEBANGSAAN MALAYSIA
AI-DRIVEN CALL ANALYTICS SOFTWARE FOR MEASURING CALLER EMOTION AND PREDICTING THE CALLER'S INTENT, SENTIMENT, AND TOPIC OF CONVERSATION	ICT	UNIVERSITI TENAGA NASIONAL
VISION-BASED HALAL LOGO RECOGNITION	ICT	MULTIMEDIA UNIVERSITY
SMART POULTRY FARM MONITORING SYSTEM FOR TEMPERATURE, HUMIDITY AND AMMONIA GAS	ICT	MANAGEMENT & SCIENCE UNIVERSITY, MALAYSIA



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INNOVATION TITLE	CATEGORY	ORGANIZATION
MULTIMODAL APPLICATION USING TOUCH AND VOICE INTERACTION TO ENHANCE THE EFFECTIVENESS OF CHILDREN'S ACTIVE LEARNING	ICT	UNIVERSITI KEBANGSAAN MALAYSIA
AISHAR: AI SHARIAH ROBOVISOR FOR SUSTAINABLE ISLAMIC SOCIAL FINANCIAL INCLUSION	ICT	UNIVERSITI MALAYSIA KELANTAN
DIGITAL TWIN AND PREDICTIVE MAINTENANCE SOFTWARE OF DRY-LOW EMISSION GAS TURBINE	ICT	UNIVERSITI TEKNOLOGI PETRONAS
SMART CRACK TECHNOLOGY INSTRUMENT (SCTI™)	ICT	UNIVERSITI TEKNOLOGI PETRONAS
DECOLOURAR: AN INTERACTION ORIGAMI AUGMENTED REALITY COLOURING APPLICATION	ICT	UNIVERSITI MALAYSIA SABAH