

No.	ID Number	Abstract title	Organisation	Country	Flag
1	A101	Performance Enhancement of Methane Dry Reforming Reaction for Syngas Production over Ir/Ce _{0.9} La _{0.1} O ₂ -Nanorods Catalysts	Jiangsu University	China	
2	A102	Succinate Recovery From Biomass Fermentation Broth Via Polymeric Membrane Filtration	Universiti Kebangsaan Malaysia	Malaysia	
3	A103	Sequential Reaction of S- and N-alkylations of 2-Mercaptobernzimidazole (MBI or ArNHSH) by Allyl Bromide under Phase Transfer Catalysis	Wu Feng University	Taiwan	
4	A104	Fatty Acid Profile of Microalgae Harvesting Via Immobilized Cell	Universiti Malaysia Pahang	Malaysia	
5	A105	Characterization of New Protease From Murdannia Bracteata	Universiti Malaysia Pahang	Malaysia	
6	A106	Prediction of Mefenamic Acid Solubility and Molecular Interaction Energies in Different Classes of Organic Solvents and Water	Universiti Malaysia Pahang	Malaysia	
7	A107	Organic Additives For The Enhancement Of Laminar Flow In Brain-Vessels-Like Microchannel Assembly	Universiti Malaysia Pahang	Malaysia	
8	A108	Synthesis of Sorbitol Fatty Acid Ester through Esterification of Sorbitol and Azelaic Acid catalyzed by Germanium (IV) Oxide	Universiti Malaysia Pahang	Malaysia	
9	A109	Syngas Exploitation From Novel Catalytic Steam Reforming of Palm Oil Mill Effluent over Lanthanum Nickel Trioxide	Universiti Malaysia Pahang	Malaysia	
10	A110	Orthogonal Optimization and Physicochemical Characterization of Total Phenolic Extracts From Sesamum Indicum L. Leaves	Universiti Malaysia Pahang	Malaysia	
11	A111	Parameter Screening In Ethanolic Extraction of Total Phenolics Extracts From Sesamum Indicum L. using Single Factor and Two-Level Factorial Design	Universiti Malaysia Pahang	Malaysia	
12	A112	Two-Level Factorial Design For The Extraction of Phenolics and Flavonoids From Chromolaena Odorata Leaves	Universiti Malaysia Pahang	Malaysia	
13	A113	Multi-Response Optimization of Microwave-Assisted Extraction of Phenolics and Flavonoids from Chromolaena odorata Leaves Using Response Surface Methodology	Universiti Malaysia Pahang	Malaysia	
14	A114	Spindle-like Ag-doped BiFeO ₃ nanocomposites with enhanced visible light photocatalytic activity for malachite green	Universiti Tunku Abdul Rahman	Malaysia	
15	A115	Isomerization of Linear C5-C7 Over Pt Loaded On Protonated Fibrous Silica@Y Zeolite (Pt/HSi@Y)	Universiti Teknologi Malaysia	Malaysia	
16	A116	Surface Chemistry of Methane on IrO ₂ (110) Surface- A Density Functional Theory Study	Duy Tan University	Vietnam	
17	A117	Organic Polymers as Additives in Enhancement of Laminar Liquid Flow in Microchannels	Universiti Malaysia Pahang	Malaysia	
18	A118	Effect of Rice Husk Ash on The Physiochemical Properties of Compost	Universiti Malaysia Pahang	Malaysia	

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19	A119	Gum Arabic: Determination of Solvent Effect on The Extraction of Phenolic Compounds and Antioxidant Activity Using Principle Component Analysis	International Islamic University of Malaysia	Malaysia	
20	A120	Optimization and Neural Network Modeling for Parameter Precision in Heat assisted Extraction and Ultrasound assisted Extraction of Proteins and Carbohydrates From Eurycoma Longifolia Roots	Universiti Malaysia Pahang	Malaysia	
21	A121	Production of Activated Carbon as Catalyst Support From Microwave Pyrolysis of Palm Kernel Shell: A Comparative Study Between Chemical and Physical Activations	Universiti Malaysia Terengganu	Malaysia	
22	A122	Effective Photocatalytic Activity of Ni-Doped MIL-53(Fe) under Visible Light Irradiation	Nguyen Tat Thanh University	Vietnam	
23	A123	Zinc Oxide Composite Particles Synthesis Using Arabic Gum as Stabilizing Agent	Universiti Malaysia Pahang	Malaysia	
24	A124	MIL-53 (Fe) as A Robust Adsorbent For The Removal of Phenol and Its Derivatives Under Mild Optimized Conditions	Nguyen Tat Thanh University	Vietnam	
25	A125	Treatment of Palm Oil Mill Effluent by Metallic Activated Carbon Derived from Microwave Pyrolysis of Palm Kernel Shell	Universiti Malaysia Terengganu	Malaysia	
26	A126	Renewable Conversion of Slag To Graphene Geopolymer For H ₂ Production And Wastewater Treatment	Xian University of Architecture and Technology	China	
27	A127	Effect of Coupled Catalyst Loading and Ionomer Binder on Oxygen Reduction Reaction In High-Temperature PEMFC	Universiti Teknologi Malaysia	Malaysia	
28	A128	Factors Influencing Forward Extraction of Jacalin From Aqueous Phase Into Anionic Reverse Micelles	Universiti Malaysia Pahang	Malaysia	
29	A129	Volumetric Carbon Dioxide Adsorption onto The Palm Kernel Shell-Based Activated Carbon: Evaluation of Equilibrium, Kinetic and Mechanism Properties	Universiti Teknologi PETRONAS	Malaysia	
30	A130	Modelling and Optimization of Biomass To Bio-Products Supply Chain	Universiti Malaysia Pahang	Malaysia	
31	A131	Effect of Low Salinity Water Salinity Level and Ionic Composition on Wettability Alteration in Carbonate Rocks: A Laboratory Study Review	Universiti Teknologi PETRONAS	Malaysia	
32	A132	Analysis of Factors Affecting Algae Removal From Petrochemical Industry Wastewater Using Biocide	Universiti Malaysia Pahang	Malaysia	
33	A133	Factorial Analysis of Mycelium Growth In Pleurotus Sp. Cultivation By Using Agricultural Wastes	Universiti Malaysia Pahang	Malaysia	
34	A134	Investigations on Copper Nano-Particles Synthesis by Pulsed Electrochemical Dissolution (PECD) Process	Universiti Malaysia Pahang	Malaysia	
35	A135	Improvement of Biodiesel Synthesis Via Ultrasound Assisted Transesterification Of Jatropha Oil	University of Malaya	Malaysia	

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36	A136	Extraction of Phytosterol In Legume Pods of Parkia Speciosa, Leucaena Leucocephala And Archidendron Jiringa	Universiti Malaysia Pahang	Malaysia	
37	A137	Synthesis and Characterization of New Carbon Cryogel as Catalyst For Ethyl Levulinate Production	Universiti Teknologi Malaysia	Malaysia	
38	A138	Synthesis of SPEEK/SiO ₂ -SiWA Composite Membrane For Direct Methanol Fuel Cell Application	Universiti Tunku Abdul Rahman	Malaysia	
39	A139	Preparation and Characterization of Chromium Metal Organic Framework For Carbon Dioxide Absorption	Universiti Tunku Abdul Rahman	Malaysia	
40	A140	Dry Reforming of Methane For Hydrogen Production over Ni-Co Catalysts: Effect of Nb-Zr Promoters	Universiti Teknologi PETRONAS	Malaysia	
41	A141	Effect of Neutralisation on The Mechanical Properties of Nanostructured Films Based on Poly(n-butyl acrylate)	Universiti Teknologi Malaysia	Malaysia	
42	A142	Supported Calcium Methoxide Catalyst For Biodiesel Production From Rice Bran Oil	University of Malaya	Malaysia	
43	A143	Effect of Intermediate Layer on Gas Separation Performance of Disk Supported Carbon Membrane	Universiti Teknologi Malaysia	Malaysia	
44	A144	Evaluation of Enzyme Kinetic Parameters To Produce Methanol Using Michaelis–Menten Equation	Universiti Malaysia Pahang	Malaysia	
45	A145	Removal of Reactive Black 5 (RB5) using Perovskite LaFeO ₃ via An Adsorption-Photocatalysis Synergy	Universiti Teknologi Malaysia	Malaysia	
46	A146	A Prototype Tool for The Inherent Safety Level Assessment of The Heat Exchanger Network	University of Engineering and Technology Lahore Pakistan	Pakistan	
47	A147	Interaction of ZnO Nanoparticles and Their Antibacterial Properties Against Gram-Positive and Gram-Negative Bacteria	Universiti Malaysia Pahang	Malaysia	
48	A148	Characterization and Elemental Quantification Of Natural Hydroxyapatite Produced From Cow Bone	Universiti Malaysia Pahang	Malaysia	
49	A149	Hierarchically structured cellular foam catalysts for practical catalysis in flow	University of Manchester	United Kingdom	
50	A150	Water Volume Reduction of Produced Water Brine and Biodiesel Wastewater by Progressive Freeze concentration	Universiti Teknologi PETRONAS	Malaysia	
51	A151	Solid-Liquid Equilibria of p-Xylene and n-Decane in Methane and Ethane Mixtures at LNG Conditions	University of Western Australia	Australia	
52	A152	Effect of Sodium Hydroxide on Microwave-Assisted Synthesis of Carbon Dots from Eggshell Membrane Ashes and Its Degradation of Methylene Blue	Universiti Teknologi PETRONAS	Malaysia	
53	A153	Characterization of The Inclusion Complex of Magnesium Orotate-Loaded Chitosan Polymer Nanoparticles for Drug Delivery System	Universiti Putra Malaysia	Malaysia	

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54	A154	Lanthanum-Cerium based catalysts for oxidative coupling of methane	Kasetsart University	Thailand	
55	A155	The Effect of Metal Loading over Ni/ γ -Al ₂ O ₃ and Mo/ γ -Al ₂ O ₃ Catalysts on Reaction Routes of Hydrodeoxygenation of Rubber Seed Oil for Green Diesel Production	Universiti Teknologi PETRONAS	Malaysia	
56	A156	Palm Oil Leaves Extraction as Corrosion Inhibitor For Metal And Alloy In Seawater	Universiti Malaysia Pahang	Malaysia	
57	A157	The Potentials Of The Integrated Ultrasonic Membrane an Aerobic System (IUMAS) as A Single Unit For Industrial Sugarcane Wastewater Treatment	Universiti Malaysia Pahang	Malaysia	
58	A158	Optimization of Gasket ForURFC With Its Preliminary Testing	Indian Institute of Technology Bombay	India	
59	A159	Ni/Al-SBA-15 Catalyst for Green Diesel Production via Hydrogen Free Cracking-Deoxygenation Reaction of Palm Fatty Acid Distillate	Universiti Kebangsaan Malaysia	Malaysia	
60	A160	Protonated Cu@MWCNTs/g-C ₃ N ₄ Core/Shell Nanocatalyst Toward Visible Light Photoinduced CO ₂ Conversion To Methanol	Universiti Teknologi Malaysia	Malaysia	
61	A161	Comparison of Hydrogen Uptake Capacity On Undoped and Pt-Doped Templated Carbons	Indian Institute of Technology Guwahati India	India	
62	A162	The Promoting Effect (Co, Ni and Fe) On the Catalytic Performance of HZSM-5 Catalyst for Biogasoline Production	Universiti Teknologi PETRONAS	Malaysia	
63	A163	Potential of Functionalized Nanoparticles In Drilling Fluids Properties	Universiti Teknologi PETRONAS	Malaysia	
64	A164	Adsorption of Naphthenic Acid using Supported Ionic Liquids Phases	COMSATS Institute of Information Technology	Pakistan	
65	A165	Effect of Calcination Temperature on Structural Properties of Immobilized Hybrid Polyoxometalates-TiO ₂	Universiti Malaysia Perlis	Malaysia	
66	A166	Degradation of 1,4-dichlorobenzene using Hybrid TiO ₂ Photocatalytic System with Microwave, MDEL, and Hydrogen peroxide	Sunchon National University	South Korea	
67	A167	Fabrication Of Polyamide Thin Film Photocatalytic Membrane For Bisphenol A Removal Under UV Light Irradiation	Universiti Teknologi Malaysia	Malaysia	
68	A168	Biodiesel Synthesis Derived from Lipids of Hermetia Illucens Prepupae Fed with Low Fat Feed	Universiti Tunku Abdul Rahman	Malaysia	
69	A169	Silver Loaded Protonated Graphitic Carbon Nitride (Ag/pg-C ₃ N ₄) Nanorods For Photoinduced CO ₂ Reduction With CH ₄ In Presence Of H ₂ O	Universiti Teknologi Malaysia	Malaysia	

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70	A170	Monitoring Foam Propagation In Surfactant Alternating Gas (SAG) With Oil Using Resistivity Wave	Universiti Teknologi PETRONAS	Malaysia	
71	A171	Performance of Sc Promoted Ni / MCM-41 Catalyst In CO ₂ Reforming of CH ₄	King Saud University	Saudi Arabia	
72	A172	A Comparison of Iron Steel And Stainless Steel Electrodes In Electrocoagulation Process For Glyphosate Herbicide Removal	Universiti Putra Malaysia	Malaysia	
73	A173	Effect of Porous Silica Supports on The Activity of Ruthenium-Copper Based Catalysts For Propylene Epoxidation	Kasetsart University	Thailand	
74	A174	Physicochemical and Microbiological Analysis of Honey Bees and Stingless Bees Honey Collected From Local Market In Malaysia	Universiti Malaysia Pahang	Malaysia	
75	A175	Screening of Culture Conditions For Production of Xylanase From Landfill Soil Bacteria	Universiti Malaysia Pahang	Malaysia	
76	A176	Converting and Storing Solar Energy in Photoactive Oxide Semiconductors	The University of New South Wales	Australia	
77	A177	Adsorption Behavior of Heavy Metals Onto Regenerated Cellulose Membrane	Universiti Teknologi Malaysia	Malaysia	
78	A178/P178	Participant only	IUKL	Malaysia	
79	A179/P179	Participant only	IUKL	Malaysia	
80	A180	Removal Of Oil From Surfactant/Polymer (SP) Flooding by Using Flotation Column And Statistical Modelling	Universiti Teknologi PETRONAS	Malaysia	
81	A181	Participant only	IUKL	Malaysia	
82	A182	Pt-promoted HY@KCC-1 As A Highly Selective Catalyst For Hydroisomerization of n-Dodecane With Enhanced Mass Transfer Limitation	Universiti Teknologi Malaysia	Malaysia	
83	A183	Self-Purging Microwave Pyrolysis (SPMP) : An Innovative Approach to Convert Palm Biomass Into High Carbon Biochar As Potential Activated Carbon Precursor	University College of Technology Sarawak	Malaysia	
84	A184	Enhancement of Commercial Kinetic Hydrate Inhibitor Using Cassava Peels	Universiti Teknologi PETRONAS	Malaysia	
85	A185	Removal of Methylene Blue in Aqueous Solution by using Electrical Arc Furnace (EAF) Slag	Universiti Putra Malaysia	Malaysia	
86	A186	Enhanced Photo-Conversion Efficiency of Reduced Graphene Oxide/Zinc Oxide Photoanode by Controlling the Electrochemical Reduction Technique	University of Malaya	Malaysia	
87	A187	Fluoride Removal by Palm Kernel Shell Activated Carbon (PKSAC): Batch and Isotherms Approach	Universiti Putra Malaysia	Malaysia	

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88	A188	Experimental Design and Molecular Dynamics in Herbal Plant Processing: A Review	Universiti Malaysia Pahang	Malaysia	
89	A189	Inverted Decoupling MIMO Internal Model Control Using Mp Tuning	Institut Teknologi Sepuluh Nopember	Indonesia	
90	A190	A Control Strategy For Nonconventional Column/Rectifier Configuration	Institut Teknologi Sepuluh Nopember	Indonesia	
91	A191	Aqueous Phase Reforming of Sorbitol over Sonosynthesized Ca-Doped Ni Supported on Al ₂ O ₃ and TiO ₂ For Production Of Value Added Chemicals	Universiti Teknologi PETRONAS	Malaysia	
92	A192	Production of Different Grades of Chitosan Oligomers	Universiti Malaysia Pahang	Malaysia	
93	A193	Synthesis of Hydrogel Using Keratien Protein From Chicken Feather	Universiti Malaysia Pahang	Malaysia	
94	A194	Operating Parameter Optimization of Pretreated Pineapple Leaves Fiber (PALF) for Enhancement Sugar Recovery	Universiti Teknologi Malaysia	Malaysia	
95	A195	Fabrication of Thin Film Nanofibrous Composite Forward Osmosis Membranes for Seawater Desalination	Universiti Teknologi Malaysia	Malaysia	
96	A196	Hydrogen Generation From Waste Water Electrolysis By Synthesized Cathode	Inha University	South Korea	
97	A197	Synthesis and Characterization of Bioplastic Using Keratin Protein From Chicken Feather	Universiti Malaysia Pahang	Malaysia	
98	A198	Production of Cellulose Nanofiber (CNF) From Empty Fruit Bunch (EFB) Via Mechanical Method	Universiti Malaysia Pahang	Malaysia	
99	A199	Approaches For Utilization of Natural Gas	Universiti Malaysia Pahang	Malaysia	
100	A200	Mechanical Properties And Performance of Membrane Polyvinylidene Flouride With The Addition of Silver Nitrate	Universitas Sriwijaya	Indonesia	
101	A201	Study of Non-Symmetry Configuration Effects on Plate Heat Exchanger Performance	Chulalongkorn University	Thailand	
102	A202	Enhancement of Fenton-Like Dye Degradation by Iron Oxyde Dispersed In Mesoporous Polymer-Derived	Gadjah Mada University	Indonesia	
103	A203	Activation Energy of Pyrolysis Generated From Super-Heated Steam Recycling Condition And Mechanical Properties of Recycled Carbon Fibers	Korea Institute of Carbon Convergence Technology	South Korea	
104	A204	The Effect of Sodium And Hydrochloric Acid Activation on Clinoptilolite Ion Exchange of Caesium and Strontium In Saline Environments	University of Leeds	United Kingdom	
105	A205	Immobilization of Ag-Graphene Oxide on Nanocellulose for SERS application	University of Malaya	Malaysia	
106	A206	Adsorption-Photocatalysis of Organic Dyes Using Empty Fruit Bunch Activated Carbon-Zinc Oxide Photocatalyst	Universiti Tunku Abdul Rahman	Malaysia	

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107	A207	Improved Glucose Biosensor based on Glucose Oxidase-Horseradish Peroxidase/Multiporous Tin Oxide Modified-Electrode	Universiti Malaysia Pahang	Malaysia	
108	A208	Effects of Pore Structures on VOCs Absorption Behaviors of Activated Carbons by Polymeric Precursor	Korea Institute of Carbon Convergence Technology	South Korea	
109	A209	Characterization of Microcrystalline Cellulose Isolated Through Mechanochemical Method	Universiti Malaysia Pahang	Malaysia	
110	A210	Insights into Catalytic Fast Pyrolysis of Rice Husk: Thermochemical Behaviour and Kinetic Study	Universiti Teknologi PETRONAS	Malaysia	
111	A211	Hybridization of Homo- and Heterojunction for Highly Enhanced Visible-Light-Driven Photocatalytic H ₂ Evolution	Monash University	Malaysia	
112	A212	Synergistic Improvement of Thermal Conductivity of Polypropylene Composites Reinforced By Boron Nitride-Modified Carbon Fibers and Graphite	Korea Institute of Carbon convergence Technology	South Korea	
113	A213	Optimization of Fractional Freezing Process for Bioethanol Purification	Universiti Teknologi PETRONAS	Malaysia	
114	A214	Tuned Acidic Properties of HMOR@KCC-1 for Enhanced n-Hexane Isomerization	Universiti Teknologi Malaysia	Malaysia	
115	A215	Real-Time Implementation of pH Control in A Carbon Dioxide Bubble Column Reactor by Input/Output Linearizing Control Strategy	Kasetsart University	Thailand	
116	A216	Optimization of Medium Compositions To Enhance The Production of 3-Methyl-1-Butanol In Saccharomyces Cerevisiae Using Response Surface Methodology	Universiti Teknologi Malaysia	Malaysia	
117	A217	Synthesis and Characterization of Reduced Graphene Oxide supported PdFe Electrocatalysts and Their Performance towards The Electrooxidation of Formic Acid	King Faisal University	Saudi Arabia	
118	A218	Silicon Dioxide Nanoparticle Foam Stability In Tertiary Petroleum Production	Universiti Malaysia Pahang	Malaysia	
119	A219	Effect Of Empty Fruit Bunch In Waste Cockle Shell As Precursor For CaO-Based Sorbent To Capture CO ₂	Universiti Teknologi PETRONAS	Malaysia	
120	A220	Influence Of Difference Parameters On The Red Pigment Production In The Stirred Drum Bioreactor: Fractional Factorial Design Approach	Universiti Malaysia Pahang	Malaysia	
121	A221	The preparation and electrochemical properties of melamine formaldehyde-polyvinyl alcohol/LiFePO ₄ nanocomposite fiber as the lithium battery cathode for electrical vehicles	Kasetsart University	Thailand	
122	A222	Biological Activated Carbon from Microwave Pyrolysis-Physical Activation of Palm Kernel Shell for Removal of Pesticides and Ammonia in Surface Water in Agricultural Land	Universiti Malaysia Terengganu	Malaysia	

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123	A223	Adsorptive Immobilization of Fructosyltransferase on Various Fruit Waste Peels Dust: Equilibrium And Kinetics Studies	Universiti Malaysia Pahang	Malaysia	
124	A224	A Review on The Potential Waste Materials Utilized In The Thermal Energy Storage System As Phase Change Material	Universiti Malaysia Pahang	Malaysia	
125	A225	The Utilization Of Phase Change Material (PCM) Composite Derived From Fatty Acids And Waste Materials As Thermal Energy Storage (TES) Medium	Universiti Malaysia Pahang	Malaysia	
126	A226	Torrefaction of Food Waste As A Potential Biomass Energy Source	Universiti Malaysia Pahang	Malaysia	
127	A227	Molecular Interaction of Carboxylic and Amine Group with Calcium and Iron for Solid Scale Dissolution	Universiti Malaysia Pahang	Malaysia	
128	A228	Intrinsic Characterization of The NFPES FO Membrane	Universiti Malaysia Pahang	Malaysia	
129	A229	Simultaneous Process Changes and Heat Recovery Enhancement in a Distillation Column	Universiti Teknologi Malaysia	Malaysia	
130	A230	Polymer-Clay Nanocomposites With Improved Thermal and Physical Properties by Free Radical Polymerization	Universiti Malaysia Pahang	Malaysia	
131	A231	Oxidation of Sulfide Removal From Petroleum Refinery Wastewater By Using Hydrogen Peroxide	Universiti Malaysia Pahang	Malaysia	
132	A232	Sorption-Desorption Profile of Au(III) Onto Silica Modified Quaternary Amines (SMQA) In Gold Mining Effluent	University of Jambi	Indonesia	
133	A233	Photocatalytic Degradation of Palm Oil Mill Effluent Under Visible Light Using Calcium Ferrite Nanoparticles	Universiti Malaysia Pahang	Malaysia	
134	A234	Ferulic Acid Esterase Production by Lactobacillus Acidophilus MTCC 10307	Central Agricultural University	India	
135	A235	Optimization and Activation of Renewable Durian Husk For Biosorption of Pb(II) From Wastewater	Universiti Putra Malaysia	Malaysia	
136	A236	Detection of Fasciola hepatica and Fasciola gigantica's microRNAs in serum by loop-mediated isothermal amplification (LAMP)	NTT High Tech Institute	Vietnam	
137	A237	Scale-up and Process Optimization of Palm Olein-Based Betamethasone 17-Valerate Topical Products	International Islamic University of Malaysia	Malaysia	
138	A238	Performance of Ni-La/SiO ₂ Catalyst Produced From In-Situ Glycine-Nitrate Process	Universiti Malaysia Pahang	Malaysia	
139	A239	Influence of Solutes Properties and Water Matrix on Nanofiltration Performance for Pesticides Removal	Universiti Teknologi Malaysia	Malaysia	
140	A240	Catalytic Deoxygenation Of Triolein Over Iron Supported On Mesoporous HMS Silica	University of Malaya	Malaysia	
141	A241	Biocompatible Red Seaweed Pulp-Ionic Liquid As Green Biopolymer Electrolyte For Battery Application	University of Malaya	Malaysia	

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142	A242	Photocatalytic Reduction of CO ₂ via Quantum Plasmonic Nano-engineered Cu-TiO ₂ in Visible Light	University of Malaya	Malaysia	
143	A243	Synthesis of Goat Manure Supported Ni-Al Hydrotalcite Catalyst for Biofuel Production	University of Malaya	Malaysia	
144	A244	Formation of Hybrid CdSe-Loaded TiO ₂ Nanotubes For High Photoelectrochemical Water Splitting Process	University of Malaya	Malaysia	
145	A245	Degradation of Chemical Oxygen Demand (COD) using Electrocoagulation Process In Treating Oleochemical Wastewater	Universiti Malaysia Pahang	Malaysia	
146	A246	Effect of Different Extraction Techniques on Yield and Quality of Essential Oils From Rhizomes of Cyperus Rotundus	International University of Africa	Sudan	
147	A247	Chemical Composition and Antimicrobial Activity of Salvia Officinals Essential Oils	International University of Africa	Sudan	
148	A248	Chemical Composition And Antimicrobial Activity Of Mint (MENTHA) Essential Oil	International University of Africa	Sudan	
149	A249	Economic and Environmental Sustainability of Low Carbon Power Generation – Relevancy in Malaysia Green Technology Master Plan (GTMP)	Universiti Teknologi Malaysia	Malaysia	
150	A250	Graphene-Titanium Dioxide based Electrochemical Biosensor for Salmonella Spp. Detection	University of Malaya	Malaysia	
151	A251	Monolayer Coverage of Sulfate Ions over High Surface Area Mesoporous Zirconia as A Highly Active and Stable Acid Catalyst Admixed With A CuO-ZnO-ZrO ₂ Catalyst for CO ₂ Hydrogenation to Dimethyl Ether	Kasetsart University	Thailand	
152	A252	Optimization of Novel Corncob Based Heterogeneous Acid Catalysed Biodiesel Production Reaction Using Response Surface Methodology	Universiti Tunku Abdul Rahman	Malaysia	
153	A253	Tenderisation of Meats by Bromelain Enzyme Extracted from Pineapple Wastes	UNIVERSITY IMPHAL INDIA	India	
154	A254	Maximization Of Essential Oils Yield From Lemongrass Using Microwave-Assisted Hydrodistillation	Nguyen Tat Thanh University	Vietnam	
155	A255	Composite Photocatalysts Containing MIL-53(Fe) As A Heterogeneous Photocatalyst for The Decolorization of Rhodamine B Under Visible Light Irradiation	Institute of Chemistry VAST	Vietnam	
156	A256	Chemical Synthesis and Characterization of Poly(poly(ethylene glycol) methacrylate) Grafted CdTe Nanocrystals via RAFT Polymerization for Covalent Immobilization of Adenosine	Nguyen Tat Thanh University	Vietnam	
157	A257	Process Systems Engineering Strategies to Promote Biogas Utilisations from Palm Oil Mill Effluent	The University of Nottingham Malaysia Campus	Malaysia	
158	A258	Supercritical CO ₂ Extraction Of Essential Oil From Jasmine Flower And Yield Optimization	Universiti Malaysia Pahang	Malaysia	

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159	A259	Synthesis of Carbon Nanomaterial via Processing of Dichloroethane on Ni-Mo Self-Organizing Catalyst	Boreskov Institute of Catalysis	Russia	
160	A260	Cu-porphyrin impregnated Zr-MCM-48 hybrid photocatalyst for CO ₂ reduction to methanol	Universiti Teknologi PETRONAS	Malaysia	
161	A261	Analytical Investigation of Heat Transfer In Micropolar Nanofluids with Suspension of Multi-Wall Carbon Nanotubes In The Presence of Viscous Dissipation	Universiti Malaysia Pahang	Malaysia	
162	A262	Characterization and Modelling Studies Of CO ₂ Adsorption by Rubber-Seed Shell Activated Carbon	Universiti Teknologi PETRONAS	Malaysia	
163	A263	Multi-Objective Optimization for Heat Exchanger Network	Universiti Teknologi PETRONAS	Malaysia	
164	A264	Non-Oxidative Methane/Methanol mixture reforming over Mesoporous Ni-Cu/Al ₂ O ₃ co-doped Catalyst for cleaner hydrogen production	Universiti Teknologi PETRONAS	Malaysia	
165	A265	Magnetic Cellulose Nanocrystals as A Platform for Enzyme Immobilization	Universiti Sains Malaysia	Malaysia	
166	A266	Microwave Assisted Thermal Process of Castor Oil For The Production Of Specialty Chemical	Universiti Malaysia Pahang	Malaysia	
167	A267	Phytosynthesis Of Silver Nanoparticles For Removal Of 2,4-D Herbicide In Aqueous Solution: Effect Of Total Phenolic Content	Universiti Malaysia Pahang	Malaysia	
168	A268	Product Characterisation and Energy Analysis of The Microwave Torrefaction of Moist Municipal Solid Waste (MSW) Pellets using Char of Bagasse as A Microwave Absorber	Thammasat University	Thailand	
169	A269	Binary Mixture of Biosurfactant-ILs based Surfactant and Its Potential Application as Crude Oil Spill Dispersant	Universiti Teknologi PETRONAS	Malaysia	
170	A270	Synthesis And Antibacterial Evaluations Of Amine Modified Zeolitic Imitidazole Framework-8(ZIF-8)	Universiti Teknologi Malaysia	Malaysia	
171	A271	Visible light photocatalytic properties of NaYF ₄ :(Yb, Er)-CuO/TiO ₂ composite	University of Seoul	South Korea	
172	A272	Synthesis, Characterisation, Crystal Structure and Anti-corrosion Studies of Organotin(IV) Complex of 2-acetylpyridine 4-ethyl-3-thiosemicarbazone: Sn(2Acpy4E3TSC)(3CH ₂ CH ₃) ₂ Cl ₂	Universiti Teknologi MARA	Malaysia	
173	A273	Utilization of Agar and Agarose as Support Systems for Improvement in Catalytic Properties of Fungal Amyloglucosidase	Hazara University Mansehra	Pakistan	
174	A274	Chlorophyll-A Adsorbed TiO ₂ Nano Particles for Extending Photocatalytic Applications in Visible regio	University of Seoul	South Korea	
175	A275	Tropical Tannin For Engineering Application: A Review	Universiti Malaysia Pahang	Malaysia	

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176	A276	Polylactic Acid(PLA)/Acrylonitrile Butadiene Styrene(ABS) Nanocomposites With Hybrid Graphene/ Montmorillonite (MMT)	Universiti Malaysia Pahang	Malaysia	
177	A277	Fabrication of Bone Scaffolds from Anadara Granosa Shell Waste	Universiti Malaysia Pahang	Malaysia	
178	A278	Catalytic Co-Conversion of Kraft Lignin and Linear Low-Density Polyethylene over Mesoporous Catalysts	National Institute of Forest Science	South Korea	
179	A279	Bubble Size Profile Produced By Combination of Microwave and Ultrasound Treatments	University of Hyogo	Japan	
180	A280	Synthesis and Characterization of Zinc-Aluminium-Layered Double Hydroxide-Cinnamic Acid	Universiti Teknologi MARA	Malaysia	
181	A281	Synthesis of Binary Co-Mg-O Oxide System and Study of Its Behaviour In Reduction/Oxidation Cycling	Boreskov Institute of Catalysis	Russia	
182	A282	Synthesis and Study of Metastable Pt-Au Nanoparticles	Boreskov Institute of Catalysis	Russia	
183	A283	Pillaring of Polyoxometalates by Layered Triple Hydroxides for Oxidative Desulphurization of Sulphur Containing Compounds	Department of Chemistry IIT Madras	India	
184	A284	Quantifying The Performance Indicators For Emergency Planning and Response to Ensure Process Safety Management In Process Industries	Universiti Teknologi PETRONAS	Malaysia	
185	A285	Improved Photocatalytic Oxidation of Organic Dye Using One-Dimensional Titania Nanotubes	University of Malaya	Malaysia	
186	A286	Design of Lacunary Keggin Hybrids with Ferrocene for Photocatalytic Applications	IIT Madras	India	
187	A287	Co-Feeding Effect of Waste Plastic Films on The Catalytic Pyrolysis of Biomass over HZSM-5 and HY	Hallym University	South Korea	
188	A288	The Effect of Epoxidized Natural Rubber Toughening on Static and Dynamic Mechanical Behavior of Poly(Lactic Acid)-Multiwalled Carbon Nanotubes Nanocomposites	Universiti Malaysia Pahang	Malaysia	
189	A289	Application of Green Solvent in Biomass Reuse and Valorization	Monash University	Malaysia	
190	A290	Annealed Stainless Steel Electrode for Hydrogen Production in Sea Water	University Incheon	South Korea	
191	A291	Functionalization of Halloysite Nanotubes Surfaces via Controlled Living Radical Polymerization for Bioactive Interface Via Covalent Immobilization Of Penicillin	Nguyen Tat Thanh University	Vietnam	
192	A292	Type-2 Fuzzy Logic on Karmen-Mendel Algorithm in Optimisation of Sequential Ionic Liquid Dissolution-Solid Acid Saccharification	UCSI University	Malaysia	
193	A293	Process Optimization of Plasma Dry Reforming of Methane over Ni/La-MgAl ₂ O ₄ using Response Surface Methodology	Universiti Teknologi Malaysia	Malaysia	

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194	A294	In-Situ Ultrasound Enhancement of Directional Solvent Extraction for Seawater Desalination	Universiti Malaysia Pahang	Malaysia	
195	A295	Comparison of Numerical Modeling Supercritical CO ₂ Extraction from Red Algae: <i>Euचेuma Cottonii</i> and <i>Gracilaria Sp.</i>	Institut Teknologi Sepuluh Nopember Surabaya	Indonesia	
196	A296	Catalysis mechanism of Ni-Fe promoted γ -alumina in Thermo-Catalytic Decomposition of Methane to Hydrogen: A Density Functional Theory Study	Universiti Teknologi PETRONAS	Malaysia	
197	A297	Hybrid Reactor System Comprised of Non-Thermal Plasma and Catalyst for VOCs Removal from Food Waste	University of Seoul	South Korea	
198	A298	Hydrodynamic Flow Analysis And Erosion Study of Solid Liquid Mixture In Agitated Tank Using CFD Method	Institut Teknologi Sepuluh Nopember	Indonesia	
199	A299	Selective Production of Terephthalic Acid From Biomass-Derived Furans over Heteropolyacid Catalysts	Korea Institute of Science and Technology	South Korea	
200	A300	Extraction of High Quality Antioxidant From Papaya Leaves Using Ultrasonic Assisted Extraction Method	Universiti Teknologi PETRONAS	Malaysia	
201	A301	A Fixed-Bed Column Study for Removal of Organic Dyes from Aqueous Solution by Pretreated Durian Peel Waste	Nguyen Tat Thanh University	Vietnam	
202	A302	Evolution in Morphological and Crystallinity Behaviour of Calcined PVP-assisted TiO ₂ Nanofibers and Their Effect on Methylene Blue Degradation	University of Malaya	Malaysia	
203	A303	Green <i>Jatropha</i> Motor Oil (G-Jamo) Synthesis Using Treated Cockerel Shell Waste (TCSW) Catalyst	Universiti Malaysia Pahang	Malaysia	
204	A304	Kinetic Models of Trimethylolpropane (TMP) and Castor Oil Methyl Ester Transesterification for Engine Oil Synthesis	Universiti Malaysia Pahang	Malaysia	
205	A305	Graphene oxide-zinc oxide nanohybrids epoxy coatings with enhanced corrosion protection performance	Universiti Teknologi PETRONAS	Malaysia	
206	A306	Eco-Conversion of Castor Oil To Trimethylolpropane Ester using Non-And Impregnated Chicken Egg Shells (N-ICES)	Universiti Malaysia Pahang	Malaysia	
207	A307	Process Simulation of Anaerobic Digestion for Bioliquid Production From Food Waste	Universiti Malaysia Pahang	Malaysia	
208	A308	Nanocelulose Aerogel Guided Synthesis of Lithium Metal Phosphate Nanocrystals and Nanowires With Surface Carbon Coating	Universiti Tunku Abdul Rahman	Malaysia	
209	A309	Assessment of In-Vitro Antioxidant Capacity and Polyphenolic Composition of Frequently Used Legumes	Hazara University Mansehra	Pakistan	
210	A310	A Study of Severity Behaviour of N ₂ -Assisted Subcritical Water Hydrolysis For Biohydrogen Production From Coconut Husk	Institut Teknologi Sepuluh Nopember	Indonesia	


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211	A311	Investigation of Methanol Adsorption on Pt(111) and Ir(111) Surfaces by Density Function Theory Calculation	Duy Tan University	Vietnam	
212	A312	Computational Fluid Dynamics Simulation of Flow in Dilution Process: A Case Study of Palm Oil Processing	Universiti Malaysia Perlis	Malaysia	
213	A313	Synthesis of Rubber/Kenaf-based Nanocellulose and Their Toxicity	University of Malaya	Malaysia	
214	A314	Evaluation of Low-Cost Perfluorinated Sulfonic Acid Membranes for Vanadium Redox Flow Battery	Universiti Teknologi Malaysia	Malaysia	
215	A315	Synergistic Work of Two Type Cellulase Immobilized on Chitosan Microparticle as Biocatalyst For Coconut Husk Hydrolysis	Institut Teknologi Sepuluh Nopember Surabaya	Indonesia	
216	A316	Regeneration of Deactivated Zeolites for Aromatization by Dielectric Barrier Discharge (DBD) Plasma	Sogang University	South Korea	
217	A317	Highly Conductive and Durable Anion Exchange Membranes With Pol-Imidazolium Side Chains	Universiti Teknologi Malaysia	Malaysia	
218	A318	Ethanol CO ₂ Reforming on Al ₂ O ₃ -supported Cu-based Catalyst for Syngas Production	Universiti Malaysia Pahang	Malaysia	
219	A319	Green and Lean Manufacturing Principles Integration	University of Nottingham Malaysia campus	Malaysia	
220	A320	Supported phosphotungstic acid on carbon nanofibres: A new catalyst for ecofriendly Friedel-Crafts alkylation under solvent-free conditions	Malaysia Japan International Institute of Technology	Malaysia	
221	A321	Syngas Production from Ethanol Dry Reforming using Cu-based Perovskite Catalyst	Universiti Malaysia Pahang	Malaysia	
222	A322	Syngas Production from Ethylene Glycol Dry Reforming on Co/Al ₂ O ₃ Catalyst	Universiti Malaysia Pahang	Malaysia	
223	A323	The Effect of Carboxylic Acid Function Groups on The Adsorption Of Benzene by Acid Treated Graphene Oxide	Universiti Teknologi PETRONAS	Malaysia	
224	A324	Phosphoric Acid Functionalized Polybenzimidazole Hybrid Membrane for High-Temperature Copper Chloride Proton Exchange Membrane Electrolyzer	Universiti Putra Malaysia	Malaysia	
225	A325	A New Insight of Graphite Oxide in Agriculture and Its Controlled Release Studies	Universiti Teknologi MARA	Malaysia	
226	A326	Thermokinetics of SO ₃ H-functionalized Dicationic Ionic Liquids	Universiti Teknologi PETRONAS	Malaysia	
227	A327	Efficient Dicationic Acidic Ionic Liquid Catalyst for Biodiesel Production from Edible, Non-edible and Waste Oil Feedstocks	Universiti Teknologi PETRONAS	Malaysia	
228	A328	Adsorption Studies on Cellulase And Xylanase Immobilization In Hierarchically Mesocellular Mesoporous Magnetic Silica	Universiti Teknologi Malaysia	Malaysia	

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229	A329	Aerobic Biodegradation Potential of Proteobacteria Mixed- Culture Consortium on Inhibitory refinery Effluent	Universiti Malaysia Pahang	Malaysia	
230	A330	Optimization of Batch Culture parameters for Bacillus cereus (ATCC 14579) Growth and Biosynthesis Using Response Surface Methodology	Universiti Malaysia Pahang	Malaysia	
231	A331	Potassium Acetate – Coconut Shell Activated Carbon for Adsorption of Benzene and Toluene: Equilibrium and Kinetic Studies	Abubakar Tafawa Balewa University Bauchi	Nigeria	
232	A332	Production Optimization and Characterization of Anticancer Enzyme L-Asparaginase From Bacillus Sp. using Moringa Oleifera Seeds	Women University of Azad Jammu and Kashmir Bagh PakistaN	Pakistan	
233	A333	Cellulose Depolymerization by The Combination of Ultrasound Pretreatment and Hydrothermal Process Using Ionic Liquid/Acid	Sepuluh Nopember Institute of Technology	Indonesia	
234	A334	Recent Development on Heterogeneous Catalysts for Syngas Production Via CO ₂ Utilization	Universiti Teknologi Malaysia	Malaysia	
235	A335	Flow Pattern Recognition and Characterization Inside A Side Entering Cylinder-Cone Stirred Tank Using Computational Fluid Dynamics Methods and Visualization Technique	Institut Teknologi Sepuluh Nopember Surabaya	Indonesia	
236	A336	Effective Capture and In-Situ Photocatalytic Degradation of Methylene Blue using Visible-Light Responsive Polyacrylonitrile Nanofibers Embedded Graphitic Carbon Nitride Fabricated Via Electrospinning Technique	Universiti Teknologi Malaysia	Malaysia	
237	A337	Research on Lemongrass Oil Extraction Technology: Hydrodistillation, Steam Distillation and Microwave-Assisted Hydrodistillation	Nguyen Tat Thanh University	Vietnam	
238	A338	Influence Of Moisture Content On Physicochemical And Durability Properties Of Kenaf Pelleted Animal Feed	Universiti Teknologi PETRONAS	Malaysia	
239	A339	Significance of Cavitations (Hydrodynamic And Ultrasonic) on Ozonation of Phenol	Universitas Indonesia	Indonesia	
240	A340	Synthesis of Aligned Carbon Nanotube on SiO ₂ And Al ₂ O ₃ Substrate Through Catalytic Decomposition of Methane by Floating Catalytic Cvd (Fc-Cvd)	Universitas Indonesia	Indonesia	
241	A341	Optimal Modification Process of Interfacial Tension By Pulse Microwave Irradiation	University of Hyogo	Japan	
242	A342	Synthesis of Segmented Carbon Nanofibers via Chemical Cvd of Chlorinated Hydrocarbons over Ni-Pd System	Boreskov Institute of Catalysis	Russia	
243	A343	Enhanced Metal-Support Interaction In Ni/Co _x O _y /TiO ₂ Nanorods Toward Dynamic Hydrogen Production From Phenol Steam Reforming	Universiti Teknologi Malaysia	Malaysia	
244	A344	Utilization of Different Polymers for The Improvement of Catalytic Properties and Recycling Efficiency of Bacterial Maltase	Shaheed Benazir Bhutto University	Pakistan	

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245	A345	Reaction Kinetics of Carbon Dioxide Absorption into Aqueous Mdea Solution Promoted by Mixture of L-Arginine and L-Glutamic Acid	Institut Teknologi Sepuluh Nopember	Indonesia	
246	A346	Synthesis and Characterization of Zinc-Aluminium Layered Double Hydroxide-Cinnamic Acid	Universiti Teknologi MARA	Malaysia	
247	A347	Optimization of Biodiesel Production From Palm Fatty Acid Distillate using Microwave-Assisted Titanium Sulfonated Glucose Acid Catalyst	Universiti Teknologi Malaysia	Malaysia	
248	A348	Green Synthesis of Centella Asiatica (Pegaga) Flavonoids Extract-Mediated Gold Nanoparticles	Universiti Tun Hussein Onn Malaysia	Malaysia	
249	A349	Effect of Fermentation Media Components on Biohydrogen And Metabolite Production From Crude Glycerol	Universiti Teknologi Malaysia	Malaysia	
250	A350	In-situ and Ex-situ Catalytic Pyrolysis of Lignin	University of Seoul	South Korea	
251	A351	Heat Exchanger Network With Minimum Heat Transfer Area using Improved Pinch Design Method	Universiti Teknologi Malaysia	Malaysia	
252	A352	Polymers Based on 2,4,8,10-tetraoxaspiro [5.5] Undecane as An Efficient Adsorbents for The Removal of Heavy Metals, Cu ²⁺ , Cr ³⁺ and Ni ²⁺	Feng Chia University	Taiwan	
253	A353	Efficient Photocatalytic Hydrogen Production by Doped ZnS Grown on Ni Foam As Porous Immobilized Photocatalysts	Feng Chia University	Taiwan	
254	A354	CuS-ZnS Decorated Fe ₃ O ₄ Nanoparticles as Magnetically Separable Composite Photocatalysts With Excellent Hydrogen Production Activity	Feng Chia University	Taiwan	
255	A355	Nutrient Content and Physicochemical Properties of Red Seaweeds (Kappaphycus Alvarezii, Euचेuma Spinosum and Euचेuma Striatum) from Sabah, Malaysia	Universiti Malaysia Pahang	Malaysia	
256	A356	Determination of Heavy Metals By ICP-MS In Euचेuma Cottonii Seaweed With Potent Nutritive and Total Phenolic Content	Universiti Malaysia Pahang	Malaysia	
257	A357	Carbon Membrane Fabrication from Incorporation of P84 Co-Polyimide Blends With Nanocrystalline Cellulose (NCC): Investigating The Effect of Various Drying Conditions at Fix Pyrolysis Conditions on The Hydrogen Separation Performance	Universiti Teknologi Malaysia	Malaysia	
258	A358	Life Cycle Optimization (LCO) For Glove Manufacturing	UCSI University	Malaysia	
259	A359	Biosorption of Chromium Metal using Saccharommyces Cerevisiae	Abubakar Tafawa Balewa University Bauchi	Nigeria	
260	A360	High Stable and CO Tolerant Pt/ITO Electrocatalyst for Direct Methanol Fuel Cell	Ho Chi Minh City University of Natural Resources and Environment	Vietnam	

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261	A361	Novel Nanorod $Ti_{0.7}Ir_{0.3}O_2$ Prepared by Facile Hydrothermal Process: A Promising Non-Carbon Support for Pt in PEMFCs	Ho Chi Minh City University of Natural Resources and Environment	Vietnam	
262	A362	Advanced Nanoelectrocatalyst of Pt Nanoparticles supported On Robust $Ti_{0.7}Ir_{0.3}O_2$ for Methanol Oxidation Reaction	Ho Chi Minh City University of Natural Resources and Environment	Vietnam	
263	A363	Facile Synthesis of $Ti_{0.9}Ir_{0.1}O_2$ Supported Pt for High Activity and Durability of Methanol Electro-oxidation Reaction	Ho Chi Minh City University of Natural Resources and Environment	Vietnam	
264	A364	Platinum Supported on Tungsten-Modified Titanium Dioxide as An Efficient Electrocatalyst for Direct Methanol Fuel Cell	Ho Chi Minh City University of Natural Resources and Environment	Vietnam	
265	A365	Formulation of Emulsified Modified Bitumen From Industrial Waste	Universiti Malaysia Pahang	Malaysia	
266	A366	Analysis of Near-Azeotropic Region: Model-Based Controller Performance	Universiti Teknologi PETRONAS	Malaysia	
267	A367	Fullerene Containing Polymers – A Kinetic Study Using Ylide Complex Initiator	HBT University ,Kanpur	India	
268	A368	Recovery of Caproic Acid with Reactive Extraction using Amines In Nontoxic Diluents	HBT University ,Kanpur	India	
269	A369	Isosteric Heat, Regeneration and Adsorption Cycles for Carbon Dioxide Adsorption on Porous Carbons	Abubakar Tafawa Balewa University	Nigeria	
270	A370	Effects of Drying on The Colour and Bioactive Compound Retention of Backhousia Citriodora (Lemon Myrtle) Leaves	University of Nottingham Malaysia Campus	Malaysia	
271	A371	Portable Industrial Waste Water Treatment System	University of Technology	Iraq	
272	A372	Preparation of Amine Functionalised Silica/OPBI Nanocomposite Membrane for High Temperature Polymer Electrolyte Membrane (PEMFC)	UNIKL MICET	Malaysia	
273	A373	Development of Membrane Processes for Removal of Ammoniacal Nitrogen from Fertiliser Wastewater Incorporated with Bio-Adsorption	UNIKL MICET	Malaysia	
274	A374	A Time Series NARX Feedback Neural Network based Fault Detection in Distillation Column	Universiti Teknologi PETRONAS	Malaysia	
275	A375	Plasma assisted Oxidative Coupling of Methane over Ag/SiO_2 and Subsequent Regeneration at Low Temperature	Seoul National University	South Korea	
276	A376	Preparation and Characterisation of Adsorbent From Landfill Sludge	Universiti Malaysia Pahang	Malaysia	

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277	A377	Sensitivity Analysis of Leaching Process on Rare Earth Elements by Using Metsim Software	Universiti Malaysia Pahang	Malaysia	
278	A378	Modelling of Leaching Process of Rare Earth Element Praseodymium (Pr)	Universiti Malaysia Pahang	Malaysia	
279	A379	Diffusion Coefficients of Trivalent Rare Earth Ions in Acid and Alkaline Aqueous Solutions	Universiti Malaysia Pahang	Malaysia	
280	A380	Potassium Glycinate and Virgin Coconut Oil as Environmentally Absorbent For CO ₂ Capture	Universiti Teknologi PETRONAS	Malaysia	
281	A381	Filtering Efficiency of Activated Carbon and Zeolites In Freshwater Ponds	UCSI University	Malaysia	
282	A382	Ion Exchanged Silicoaluminophosphate-34 Membrane For CO ₂ /N ₂ Separation With CO ₂ Concentration As Low As 5%	Universiti Teknologi PETRONAS	Malaysia	
283	A383	Zirconium-Loaded Mesostructured Silica Nanoparticles Adsorbent For Removal of Hexavalent Chromium From Aqueous Solution	Universiti Teknologi Malaysia	Malaysia	
284	A384	UASFF start-up for BioH ₂ and BioCH ₄ production from POME	University of Malaya	Malaysia	
285	A385	Ultrasonic Irradiation Treatment In Reducing The Hydrothermal Heating Duration For The Synthesis of Zeolite RHO	Universiti Teknologi PETRONAS	Malaysia	
286	A386	Assessment of Surface Water Quality Using Qual2k Software: A Case Study of Sembilang River, Selangor	University of Malaya	Malaysia	
287	A387	Effects of Extraction Time And Ethanol Addition As Modifier To Extraction Yield of Malaysian Stingless Bees Propolis Extract Using Supercritical Carbon Dioxide	Universiti Teknologi Malaysia	Malaysia	
288	A388	The Reduction Behaviour of Zirconia Doped to Nickel at Different Temperature in Carbon Monoxide Atmosphere	Universiti Kebangsaan Malaysia	Malaysia	
289	A389	Non Isothermal Reduction of Nickel Doped Tungsten Oxide In Different Concentration of Hydrogen And Carbon Monoxide Atmospheres	Universiti Kebangsaan Malaysia	Malaysia	
290	A390	Enhanced Dry Reforming Toward Hydrogen Production Over Ni/CeO ₂ -SiO ₂ via Different Catalyst Synthesis Routes	Universiti Putra Malaysia	Malaysia	
291	A391	Influence of H ₂ and CO on Lower Temperature Reduction of Iron Oxide and Their Chemical Behaviour on Oxidation under Water Vapour Atmosphere	Universiti Kebangsaan Malaysia	Malaysia	
292	A392	Comparison Studies on Reduction of Molybdenum Oxide Using Different Reducing Agent (Hydrogen And Carbon Monoxide)	Universiti Kebangsaan Malaysia	Malaysia	

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293	A393	Assessment of Green-Based Renewable Material For Oil-Water Separation	Universiti Teknologi Malaysia	Malaysia	
294	A394	Hybrid Catalytic Sorbent Ni-CaO/Ca ₁₂ Al ₁₄ O ₃₃ for Hydrogen Production from Process Intensified Sorption-Enhanced Steam Methane Reforming	King Mongkut's University of Technology	Thailand	