

	ARTICLE TITLE	JOURNAL NAME	SOURCE	AUTHOR (Main, Corresponding, First in sequence)
1	<sup>1</sup> H NMR metabolomics insights into comparative diabetes in male and female zebrafish and the antidiabetic activity of DL-limonene	Scientific Reports	WoS	NOR HADIANI BTE ISMAIL
2	A novel chitosan-alginate@Fe/Mn mixed oxide nanocomposite for highly efficient removal of Cr (VI) from wastewater: Experiment and adsorption mechanism	International Journal of Biological Macromolecules	Scopus	ALI H. JAWAD AL TAIE
3	A review of carbon-based catalyst for production of renewable hydrocarbon rich fuel	Journal of Environmental Chemical Engineering	Scopus	MOHD LOKMAN BIN IBRAHIM
4	Addressing preliminary challenges in upscaling the recovery of lithium from spent lithium ion batteries by the electrochemical method: a review	RSC Advances	Scopus/WoS	MOHD MUZAMIR BIN MAHAT
5	An eco-friendly chitosan-genipin/SiO <sub>2</sub> composite for reactive orange 16 dye removal: Insights into adsorption statistical modeling and mechanism	International Journal of Biological Macromolecules	Scopus	ALI H. JAWAD AL TAIE
6	Assessing Impact of Cooking Methods on the Physicochemical and Sensory Properties of Instant Fortified Rice Congee for the Elderly	Foods	Scopus	SEOW ENG KENG
7	Biomagnetic chitosan-ethylene glycol diglycidyl ether/organo-nanoclay nanocomposite for azo dye removal: A statistical modeling by response surface methodology	International Journal of Biological Macromolecules	Scopus	ALI H. JAWAD AL TAIE
8	Bisphenol-A-diglycidyl ether modified chitosan/nano-SiO <sub>2</sub> via hydrothermal process: A statistical modeling and adsorption mechanism for reactive orange 16 dye removal	International Journal of Biological Macromolecules	WoS	ALI H. JAWAD AL TAIE
9	Chitosan-Schiff base nano silica hybrid system for azo acid dye removal: Multivariable optimization, desirability function, and adsorption mechanism	Inorganic Chemistry Communications	Scopus	ALI H. JAWAD AL TAIE
10	Comprehensive studies of the anti-inflammatory effect of tetraprenyltoluquinone, a quinone from <i>Garcinia cowa</i> Roxb	Journal of Ethnopharmacology	Scopus	NOR HADIANI BTE ISMAIL
11	Cross-sectional study of influenza trends and costs in Malaysia between 2016 and 2018	PLoS ONE	Scopus	MOHD SHAFIQ BIN AAZMI
12	Development and characterization of a spray-dried inhalable ternary combination for the treatment of <i>Pseudomonas aeruginosa</i> biofilm infection in cystic fibrosis	European Journal of Pharmaceutical Sciences	Scopus	MOHD FAKHARUL ZAMAN BIN RAJA YAHYA
13	Diesel-biodegradation and biosurfactant-production by <i>Janthinobacterium lividum</i> AQ5-29 and <i>Pseudomonas fildesensis</i> AQ5-41 isolated from Antarctic soil	International Biodeterioration and Biodegradation	Scopus	KHALILAH BINTI ABDUL KHALIL
14	Dietary menhaden fish oil supplementation suppresses lipopolysaccharide-induced neuroinflammation and cognitive impairment in diabetic rats	Pharmaceutical Biology	Scopus/WoS	NURDIANA BINTI SAMSULRIZAL

15	Electrochemical Sensors based on Gold-Silver Core-Shell Nanoparticles Combined with a Graphene/PEDOT:PSS Composite Modified Glassy Carbon Electrode for Paraoxon-ethyl Detection	ACS OMEGA	WoS	SHAHRUL NIZAM BIN AHMAD
16	Engineered liposomes mediated approach for targeted colorectal cancer drug Delivery: A review	International Journal of Pharmaceutics	Scopus	MOHD MUZAMIR BIN MAHAT
17	Enhanced Removal of Salbutamol in Water Solution Using Cu-Based Magnetic Designed Metal–Organic Frameworks: Kinetics and Isothermal Models and Statistical Analysis	Arabian Journal for Science and Engineering	Scopus	KELIMAH ANAK ELONG
18	Enhancing cationic dye removal via biocomposite formation between chitosan and food grade algae: Optimization of algae loading and adsorption parameters	International Journal of Biological Macromolecules	Scopus	ALI H. JAWAD AL TAIE
19	Epoxy filled with nylon powder—An approach to reduce void formation via fused particle method	Journal of Applied Polymer Science	Scopus/WoS	NIK NOOR IDAYU BINTI NIK IBRAHIM
20	Exploring the physical behavior of surface-functionalized two-dimensional Tungsten carbide/nitride MXenes	CERAMICS INTERNATIONAL	WoS	MOHAMAD FARIZ BIN MOHAMAD TAIB
21	Facemask comfort enhancement with graphene oxide from recovered carbon waste tyres	AUTEX RESEARCH JOURNAL	WoS	NOR DALILA BINTI NOR AFFANDI
22	Facile synthesis and characterization of a visible light-active ternary TiO <sub>2</sub> /ZnS/g-C <sub>3</sub> N <sub>4</sub> heterostructure for multipollutant degradation	Journal of Materials Science	Scopus	LIM YING CHIN
23	Food-grade algae modified Schiff base-chitosan benzaldehyde composite for cationic methyl violet 2B dye removal: RSM statistical parametric optimization	International Journal of Phytoremediation	Scopus	ALI H. JAWAD AL TAIE
24	Green Synthesis of Zinc Oxide Nanoparticles Using Leaves Extract of Mariposa Christia vespertilionis and its Potential as Anode Materials in Sodium-Ion Batteries (SIBs)	Arabian Journal for Science and Engineering	Scopus	KELIMAH ANAK ELONG
25	High adsorptive performance of chitosan-microalgae-carbon-doped TiO <sub>2</sub> (kronos)/ salicylaldehyde for brilliant green dye adsorption: Optimization and mechanistic approach	International Journal of Biological Macromolecules	Scopus	ALI H. JAWAD AL TAIE
26	High surface area activated carbon from a pineapple (ananas comosus) crown via microwave-ZnCl <sub>2</sub> activation for crystal violet and methylene blue dye removal: adsorption optimization and mechanism	International Journal of Phytoremediation	Scopus	ALI H. JAWAD AL TAIE
27	In vitro bioactivity and biocompatibility assessment of PCL/PLA-scaffolded mesoporous silicate bioactive glass: Role of boron activation	Journal of Non-Crystalline Solids	Scopus	ROSDIYANA BINTI HASHAM @ HISAM
28	Integration of chemical health risk assessment (CHRA) and indoor air quality (IAQ) assessment: from a Malaysian perspective	International Journal of Environmental Health Research	Scopus	ZITTY SARAH BINTI ISMAIL
29	Kinetic and Thermodynamic Studies of Transesterification Catalysed by Black Pepper Seed-Potassium Hydroxide Catalyst	Topics in Catalysis	Scopus	MOHD LOKMAN BIN IBRAHIM

30	Mesoporous activated carbon derived from fruit by-product by pyrolysis induced chemical activation: optimization and mechanism for fuchsin basic dye removal	International Journal of Phytoremediation	Scopus	ALI H. JAWAD AL TAIE
31	Microextraction experimental and forcefield theoretical modelling study on exploring a silica-enriched oil palm frond biomass for the determination of polycyclic aromatic hydrocarbons in Psidium guajava	Microchemical Journal	Scopus	WAN NAZIHAN BINTI WAN IBRAHIM
32	Microwave assisted synthesis of nickel oxide nanoparticles at different pH via sol gel method: Experimental and first-principles investigations	Inorganic Chemistry Communications	Scopus	MUHAMAD KAMIL BIN YAAKOB
33	Multivariable optimization with desirability function for carbon porosity and methylene blue adsorption by watermelon rind activated carbon prepared by microwave assisted H <sub>3</sub> PO <sub>4</sub>	Biomass Conversion and Biorefinery	Scopus	ALI H. JAWAD AL TAIE
34	Nanoencapsulation of <i>Oliveria decumbens</i> Vent./basil essential oils into gum arabic/maltodextrin: Improved in vitro bioaccessibility and minced beef meat safety	International Journal of Biological Macromolecules	Scopus	SEOW ENG KENG
35	Ni-rich lithium nickel manganese cobalt oxide cathode materials: A review on the synthesis methods and their electrochemical performances	Heliyon	Scopus	MUHD FIRDAUS BIN KASIM
36	Optimization and mechanistic approach for removal of crystal violet and methylene blue dyes via activated carbon from pyrolyzed-ZnCl <sub>2</sub> bamboo waste	International Journal of Phytoremediation	Scopus	ALI H. JAWAD AL TAIE
37	Organic waste-derived pore formers for macroporous ceramics fabrication: A review on synthesis, durability properties and potential applications	Materials Today Sustainability	Scopus	SIKIRU SURAJUDEEN OLALEKAN
38	Organically modified montmorillonite composited with magnetic glyoxal-chitosan Schiff base for reactive blue 19 dye removal: Process optimization and adsorptive mechanism	International Journal of Biological Macromolecules	Scopus	ALI H. JAWAD AL TAIE
39	Palladium Complexes Derived from Waste as Catalysts for C-H Functionalisation and C-N Bond Formation	Catalysts	Scopus/WoS	KHAIRIL ANUAR BIN JANTAN
40	Phytochemicals variation between hydrochloric and tartaric acid-derived alkaloidal extracts of <i>Erythrina fusca</i> Lour. Leaves: A proton NMR-based approach	South African Journal of Botany	Scopus	FATIMAH BINTI SALIM
41	Porous architecture photoelectrode with boosted photoelectrochemical properties for solar fuel production	International Journal of Hydrogen Energy	Scopus	MOHD SUFRI BIN MASTULI
42	Production of activated carbon from food wastes (chicken bones and rice waste) by microwave assisted ZnCl <sub>2</sub> activation: an optimized process for crystal violet dye removal	International Journal of Phytoremediation	Scopus	ALI H. JAWAD AL TAIE
43	Production of eco-friendly adsorbent of kaolin clay and cellulose extracted from peanut shells for removal of methylene blue and congo red removal dyes	International Journal of Biological Macromolecules	Scopus	ALI H. JAWAD AL TAIE
44	Pyrolyzed coal base high surface area and mesoporous activated carbon for methyl violet 2B dye removal: Optimization of preparation conditions and adsorption key parameters	Chemical Engineering Research and Design	Scopus	ALI H. JAWAD AL TAIE

45	Quantum size luminescence effect in local field enhancement of Ag NP added Er <sup>3+</sup> glass system	Optical Materials	Scopus	ROSDIYANA BINTI HASHAM @ HISAM
46	Response surface methodology for optimizing methylene blue dye removal by mesoporous activated carbon derived from renewable woody Bambusoideae waste	International Journal of Phytoremediation	Scopus	ALI H. JAWAD AL TAIE
47	Strategic enzymatic biodegradation of pharmaceutical pollutant carbamazepine by bacteria <i>Rhodococcus zopfii</i>	Environmental Technology and Innovation	Scopus	TAY CHIA CHAY
48	Synthesis of benzimidazole derivatives and their antiglycation, antioxidant, antiurease and molecular docking study	Arabian Journal of Chemistry	Scopus	SYAHRUL IMRAN BIN ABU BAKAR
49	The modifications in structural, optical, and electromagnetic phase transition of Vanadium-doped La-based manganite ceramics La <sub>0.7</sub> Pb <sub>0.3</sub> Mn <sub>1-y</sub> V <sub>y</sub> O <sub>3</sub> (y = 0 – 0.1)	Journal of Alloys and Compounds	Scopus	ZAKIAH BINTI MOHAMED
50	The Standardized Extract of <i>Centella asiatica</i> and Its Fractions Exert Antioxidative and Anti-Neuroinflammatory Effects on Microglial Cells and Regulate the Nrf2/HO-1 Signaling Pathway	Journal of Alzheimer's Disease	Scopus	MOHD ILHAM BIN ADENAN
51	Thermal and radiation shielding characteristics of erbium ions doped zinc tellurite glasses	Progress in Nuclear Energy	Scopus	ROSDIYANA BINTI HASHAM @ HISAM
52	TiO <sub>2</sub> /ZnS/GO Composites and Beads: A Dynamic Triad with Enhanced Adsorption and Photocatalytic Performance	Journal of Cluster Science	Scopus/WoS	LIM YING CHIN
53	Trimetallic NiPtAg nanoparticles supported by SBA-15 for hydrogen production through hydrazine hydrate dehydrogenation reaction	International Journal of Hydrogen Energy	Scopus	SITI NORASMAH BINTI SURIP