# Adel Al-Gheethi

List of Publications by Year
in descending order

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|---|---|---|---|
| 25 papers | 688 citations | 567281<br>15 h-index | 580821<br>25 g-index |
| 25 all docs | 25 docs citations | 25 times ranked | 715 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Influence of Nitrogen and Phosphorus on Microalgal Growth, Biomass, Lipid, and Fatty Acid Production: An Overview. Cells, 2021, 10, 393. | 4.1 | 189 |
| 2 | Removal of heavy metals from mining effluents in tile and electroplating industries using honeydew peel activated carbon: A microstructure and techno-economic analysis. Journal of Cleaner Production, 2020, 251, 119738. | 9.3 | 64 |
| 3 | Bio-inspired ZnO NPs synthesized from Citrus sinensis peels extract for Congo red removal from textile wastewater via photocatalysis: Optimization, mechanisms, techno-economic analysis. Chemosphere, 2021, 281, 130661. | 8.2 | 51 |
| 4 | Scenedesmus Biomass Productivity and Nutrient Removal from Wet Market Wastewater, A Bio-kinetic Study. Waste and Biomass Valorization, 2019, 10, 2783-2800. | 3.4 | 35 |
| 5 | Microalgal biomass production through phycoremediation of fresh market wastewater and potential applications as aquaculture feeds. Environmental Science and Pollution Research, 2019, 26, 3226-3242. | 5.3 | 34 |
| 6 | Optimization of ceramic waste filter for bathroom greywater treatment using central composite design (CCD). Journal of Environmental Chemical Engineering, 2018, 6, 1578-1588. | 6.7 | 30 |
| 7 | Optimizing of pharmaceutical active compounds biodegradability in secondary effluents by $\beta$-lactamase from Bacillus subtilis using central composite design. Journal of Hazardous Materials, 2019, 365, 883-894. | 12.4 | 28 |
| 8 | Potential of cassava peels as a sustainable coagulant aid for institutional wastewater treatment: Characterisation, optimisation and techno-economic analysis. Chemical Engineering Journal, 2021, 420, 127642. | 12.7 | 27 |
| 9 | Removal of Basic Brown 16 from Aqueous Solution Using Durian Shell Adsorbent, Optimisation and Techno-Economic Analysis. Sustainability, 2020, 12, 8928. | 3.2 | 26 |
| 10 | Sustainable approaches for removal of cephalexin antibiotic from non-clinical environments: A critical review. Journal of Hazardous Materials, 2021, 417, 126040. | 12.4 | 24 |
| 11 | Inactivating pathogenic bacteria in greywater by biosynthesized Cu/Zn nanoparticles from secondary metabolite of Aspergillus iizukae; optimization, mechanism and techno economic analysis. PLoS ONE, 2019, 14, e0221522. | 2.5 | 22 |
| 12 | Supercritical Fluid $CO_2$ Technique for Destruction of Pathogenic Fungal Spores in Solid Clinical Wastes. Clean - Soil, Air, Water, 2016, 44, 1700-1708. | 1.1 | 17 |
| 13 | Optimising of Scenedesmus sp. biomass production in chicken slaughterhouse wastewater using response surface methodology and potential utilisation as fish feeds. Environmental Science and Pollution Research, 2019, 26, 12089-12108. | 5.3 | 17 |
| 14 | Photodegradation of basic red 51 in hair dye greywater by zinc oxide nanoparticles using central composite design. Reaction Kinetics, Mechanisms and Catalysis, 2020, 130, 567-588. | 1.7 | 16 |
| 15 | Meat processing wastewater Phycoremediation by *Botryococcus* sp.: a biokinetic study and a techno-economic analysis. Separation Science and Technology, 2021, 56, 577-591. | 2.5 | 16 |
| 16 | Quantitative microbiological risk assessment of complex microbial community in Prawn farm wastewater and applicability of nanoparticles and probiotics for eliminating of antibiotic-resistant bacteria. Journal of Hazardous Materials, 2021, 419, 126418. | 12.4 | 16 |
| 17 | Disinfection Methods and Survival of SARS-CoV-2 in the Environment and Contaminated Materials: A Bibliometric Analysis. Sustainability, 2020, 12, 7378. | 3.2 | 13 |
| 18 | Optimizing of Microalgae Scenedesmus sp. Biomass Production in Wet Market Wastewater Using Response Surface Methodology. Sustainability, 2021, 13, 2216. | 3.2 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Cephalexin removal by a novel Cu–Zn bionanocomposite biosynthesized in secondary metabolic products of Aspergillus arenarioides EAN603 with pumpkin peels medium: Optimization, kinetic and artificial neural network models. Journal of Hazardous Materials, 2021, 419, 126500. | 12.4 | 11 |
| 20 | Metronidazole photocatalytic degradation by zinc oxide nanoparticles synthesized in watermelon peel extract; Advanced optimization, simulation and numerical models using machine learning applications. Environmental Research, 2022, 212, 113537. | 7.5 | 11 |
| 21 | Adsorption of heavy metals from mining effluents using honeydew peels activated carbon; isotherm, kinetic and column studies. Journal of Dispersion Science and Technology, 2021, 42, 715-729. | 2.4 | 10 |
| 22 | Sustainable approaches for nickel removal from wastewater using bacterial biomass and nanocomposite adsorbents: A review. Chemosphere, 2022, 291, 132862. | 8.2 | 8 |
| 23 | Inactivation of fungal spores from clinical environment by silver bio-nanoparticles; optimization, artificial neural network model and mechanism. Environmental Research, 2022, 204, 111926. | 7.5 | 7 |
| 24 | Adsorption of ammonium from wastewater treatment plant effluents onto the zeolite; A plug-flow column, optimisation, dynamic and isotherms studies. International Journal of Environmental Analytical Chemistry, 2022, 102, 8445-8466. | 3.3 | 3 |
| 25 | Nutrients elimination from meat processing wastewater using Scenedesmus sp.; optimizations; artificial neural network and kinetics models. Environmental Technology and Innovation, 2022, 26, 102535. | 6.1 | 2 |