

Theme 6-3: Sustainability of Environmental and Chemical Processes - 2021

| Title | Authors | Scopus Source title | Volume | Issue | Pages | Source type | Publication type | Open Access |
|---|--|--|--------|-------|-------------|-----------------------|------------------|-------------|
| Environmental impacts of solar photovoltaic systems: A critical review of recent progress and future outlook | Tawalbeh, M. Al-Othman, A. Kafiah, F. Abdelsalam, E. Almomani, F. Alkasrawi, M. | Science of the Total Environment | 759 | - | - | Journal | Article | |
| Biodegradable polymers and their nano-composites for the removal of endocrine-disrupting chemicals (EDCs) from wastewater: A review | Al Sharabati, M. Abokwiek, R. Al-Othman, A. Tawalbeh, M. Karaman, C. Orooji, Y. Karimi, F. | Environmental Research | 202 | - | - | Journal | Article | |
| Emerging contaminants in the water bodies of the Middle East and North Africa (MENA): A critical review | Ouda, M. Kadadou, D. Swaidan, B. Al-Othman, A. Al-Asheh, S. Banat, F. Hasan, S.W. | Science of the Total Environment | 754 | - | - | Journal | Review | |
| Recent developments in pressure retarded osmosis for desalination and power generation | Tawalbeh, M. Al-Othman, A. Abdelwahab, N. Alami, A.H. Olabi, A.G. | Renewable and Sustainable Energy Reviews | 138 | - | - | Journal | Review | |
| A critical review on metal-based catalysts used in the pyrolysis of lignocellulosic biomass materials | Tawalbeh, M. Al-Othman, A. Salamah, T. Alkasrawi, M. Martis, R. El-Rub, Z.A. | Journal of Environmental Management | 299 | - | - | Journal | Article | |
| Insights into the removal of microplastics from water using biochar in the era of COVID-19: A mini review | Abuwatfa, W.H. Al-Muqbel, D. Al-Othman, A. Halalsheh, N. Tawalbeh, M. | Case Studies in Chemical and Environmental Engineering | 4 | - | - | Journal | Article | Gold |
| Ionic liquid-assisted refinery processes – A review and industrial perspective | Salah, H.B. Nancarrow, P. Al-Othman, A. | Fuel | 302 | - | - | Journal | Review | |
| Comparative study on the pyrolysis and leachability of washed/unwashed electric arc furnace dust-PVC mixtures and their residues | Al-Harashsheh, M. Orabi, Y. Al-Asheh, S. | Journal of Environmental Chemical Engineering | 9 | 4 | - | Journal | Article | |
| Air emissions in waste to energy (W2E) plants | Shareefdeen, Z. Mishu, A.A. | Clean Technologies and Environmental Policy | - | - | - | Journal | Article | |
| Sustainable management of cut flowers waste by activation and its application in wastewater treatment technology | Sabri, M.A. Ibrahim, T.H. Khamis, M.I. Ludwick, A. Nancarrow, P. | Environmental Science and Pollution Research | 28 | 24 | 31803-31813 | Journal | Article | |
| Impact of using different materials, curing regimes, and mixing procedures on compressive strength of reactive powder concrete - A review | Ahmed, S. Al-Dawood, Z. Abed, F. Mannan, M.A. Al-Samarai, M. | Journal of Building Engineering | 44 | - | - | Journal | Review | Green |
| Investigating tensile behavior of sustainable basalt-carbon, basalt-steel, and basalt-steel-wire hybrid composite bars | Mirdarsoltany, M. Rahai, A. Hatami, F. Homayoonmehr, R. Abed, F. | Sustainability (Switzerland) | 13 | 19 | - | Journal | Article | Gold |
| Environmental Assessment of Recyclable Waste Valorization in United Arab Emirates | Elfeky, A. Abdallah, M. Fattah, K. | IOP Conference Series: Earth and Environmental Science | 897 | 1 | - | Conference Proceeding | Conference Paper | Bronze |
| Technical feasibility of a pneumatically driven vehicle | Alami, A.H. Hawili, A.A. Fadel, M.I. Zwayyed, F. Barbarji, T. Ghommem, M. | Science of the Total Environment | 757 | - | - | Journal | Article | |