



Hind Mufeed Jalil abdabbas Ewadh

هند مفيد جليل عبدالعباس عوض

Associate Professor

PROFILE

Master in solid waste management and phd in wastewater treatment from the national university of Malaysia ukm

ACADEMIC TITLES

2021-08-30 Associate Professor

TEACHING EXPERIENCE

Lecturer
Engineering faculty Environmental department
2024-10 - 2025-02

COURSES

• Hazardous waste

GRADUATE SUPERVISION

phytoremediation of mixed pharmaceuticals in sewage using pilot sub-surface flow constructed wetland
osama abrahim (2020)

ADMINISTRATIVE POSITIONS

2018-10-01 - 2023-11-13 head department of environment pollution

PUBLICATIONS (2 7)

- Effect of physio-chemical parameters on the density and diversity of rotifers in AL-Hilla river water
AIP Conference Proceedings 3408 (1), 050006, 2026 | 2026
- Removal of Ibuprofen and Paracetamol by Rhizobacteria from Roots of Scirpus grossus Exposed to a Synthetic Mix in Constructed Wetlands
Water 17 (16), 2396, 2025 | 2025 | Cited: 4
- Removal of Ibuprofen and Paracetamol by Rhizobacteria from Roots of Scirpus grossus Exposed to a Synthetic Mix in Constructed Wetlands
Water | 2025
- Assessment of Ornamental Plant Ruellia simplex and Bio-Adsorbent for Removal of Amoxicillin and Ciprofloxacin—A Preliminary Test for Constructed Wetlands
Journal of Ecological Engineering 25 (10), 339-350, 2024 | 2024 | Cited: 1
- Natural Green Biocoagulant Efficiency of Iraqi Plant Moringa oleifera
International Conference on Environment and Sustainability, 55-61, 2023 | 2023
- The removing of metronidazole using Hydrilla verticillate from water using phytoremediation
AIP Conference Proceedings 2386 (1), 2022 | 2022 | Cited: 5

CONTACT

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EDUCATION

Bachelor's Degree (2005-07-20)
civil engineering
Babylon University

Doctorate (2017-07-26)
environmental treatment
UKM

Master's Degree (2011-11-17)
solid waste treatment
UKM

RESEARCH METRICS

h-index (Scopus)	7
h-index (GS)	9
Citations (Scopus)	318
Citations (GS)	469
Documents (Scopus)	20
Documents (GS)	26

PATENTS

• Extracting and purifying vitamin 17 from the pulp of Iraqi apricot seeds and using its biological effectiveness to combat and treat breast cancer.

RESEARCH INTERESTS

• environmental pollution-toxicity-wastewater treatment



7. **Occurrence of pharmaceuticals and personal care products in domestic wastewater, available treatment technologies, and potential treatment using constructed wetland: a review**
Process Safety and Environmental Protection, 2022 | 2022 | Cited: 97
8. **Elimination of mixed ibuprofen and paracetamol from spiked domestic wastewater via a pilot continuous aerated sub-surface constructed wetland system**
Journal of Water Process Engineering 50, 103308, 2022 | 2022 | Cited: 26
9. **Comprehensive study of heavy metal pollution in surface water of Guntur region of Andra Pradesh**
IOP Conference Series: Earth and Environmental Science 1088 (1), 012016, 2022 | 2022 | Cited: 10
10. **Fluoride removal using electrocoagulation technique**
IOP Conference Series: Earth and Environmental Science 877 (1), 012047, 2021 | 2021 | Cited: 5
11. **MgAl-LDH-biochar composites as a green sorbent for lead removal from water**
Scientific Review Engineering and Environmental Sciences 30 (2(92)), 11, 2021 | 2021 | Cited: 2
12. **Methylene Blue Treatment and Relative Growth Rate by Phytoremediation Using (Ceratophyllum demersum) Plant**
ACE Journal of Advance Research in Chemical Sciences 1 (2), 19-23, 2021 | 2021
13. **Simultaneous removal of ibuprofen, organic material, and nutrients from domestic wastewater through a pilot-scale vertical sub-surface flow constructed wetland with aeration system**
Journal of Water Process Engineering 43, 102214, 2021 | 2021 | Cited: 66
14. **Phosphate removal from water using bottom ash: Adsorption performance, coexisting anions and modelling studies**
Water Science and Technology 83 (1), 77-89, 2021 | 2021 | Cited: 144
15. **The Effect of Ozonation By-products on Human Embryonic Kidney Cells (HEK293): Ozone as Wastewater Treatment Tool**
Lecture Notes in Civil Engineering | 2020 | Cited: 1
16. **The reduction of chemical oxygen demand and total suspended solids from four domestic wastewater disposal suburbs by using coagulation and flocculation processes: a case study and...**
Plant Archives 20 (2), 681-685, 2020 | 2020 | Cited: 3
17. **Implementation of (Zero-Waste) Concept in Solid Waste Management in Al-HILLA City**
International Journal of Advanced Science and Technology 29 (4), 2370-2382, 2020 | 2020 | Cited: 4
18. **REMOVAL OF METHYLENE BLUE BY COONTAIL (CERATOPHYLLUM DEMERSUM) USING PHYTOREMEDIATION CONCEPT**
Plant Archives 20 (1), 2677-2682, 2020 | 2020 | Cited: 25
19. **A SUSTAINABLE APPROACH FOR PARK BENCH BY USING STREAMLINED LIFE CYCLE ASSESSMENT: A CASE STUDY**
Plant Archives 20 (2), 701-704, 2020 | 2020
20. **Statistically analysis using Response Surface Methodology (RSM) for analysis and modelling of wastewater treatment (Review Paper)**
TEST ENGINEERING & MANAGEMENT 83, 12856-12863, 2020 | 2020
21. **Optimized Conditions for Pharmaceuticals and Personal Care Products Removal by Ozonation Using Response Surface Methodology**
International Journal of Pharmaceutical Quality Assurance 10 (1), 90-99, 2019 | 2019 | Cited: 8
22. **The Removal of Pharmaceuticals and Personal Care Products (PPCPs) as Mixture from Water Stream by Ozonation: The Effect of pH and Retention Time on PPCPs Removal**
Journal of Global Pharma Technology 8 (10), 254-260, 2018 | 2018 | Cited: 6
23. **The effect of pharmaceuticals and personal care products (PPCPs) on human embryonic kidney (HEK 293) cells proliferation**
Journal of Pharmaceutical Sciences and Research 10 (12), 3228, 2018 | 2018 | Cited: 7
24. **ESTIMATE GSH-PX AND GST IN BENZENE TREATED MICE**
Biochemical & Cellular Archives 18, 2018 | 2018
25. **Essential oils of rosemary as antimicrobial agent against three types of bacteria**
Med j Babylon 15 (1), 53-6, 2018 | 2018 | Cited: 26

26. **Pharmaceuticals and Personal Care Products: Sources, Toxicity in the Environment, Regulations and Removal Technologies**
Journal of Chemical and Pharmaceutical Sciences 10 (3), 2017 | 2017 | Cited: 18
27. **Effectiveness of polystyrene beads as aggregate replacement material to recycle solid waste: a study on workability and absorption results of concrete**
International Journal of Scientific and Engineering Research 3 (8), 1-3, 2012 | 2012 | Cited: 11