

Ali Jwied Jaeel

علي جويد جعيل محميد الداوري

Professor

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EDUCATION

(04-03-2013) دكتوراه

Environmental Engineering

Baghdad University

RESEARCH METRICS

h-index (Scopus)	0
h-index (GS)	12
Citations (Scopus)	0
Citations (GS)	498
Documents (Scopus)	0
Documents (GS)	55

ACADEMIC TITLES

2022-12-08 **Professor**

TEACHING EXPERIENCE

Lecturer

Wasit University

2020-01

COURSES

- Engineering Statistics

PUBLICATIONS (55)

1. **Evaluation of Electrocoagulation Efficiency in Domestic Wastewater Treatment Under the Influence of Operational Parameters**
   Wasit Journal of Engineering Sciences 13 (4), 18-24, 2025 | 2025
2. **Evaluation of the Performance of Iron Coagulants in Removing TSS and BOD from Domestic Wastewater**
   IOP Conference Series: Earth and Environmental Science 1545 (1), 012089, 2025 | 2025
3. **Combined Natural Coagulant Powder Peels Apricot and Chemical Coagulants MgCL3 for Dairy Wastewater Treatment**
   Wasit Journal of Engineering Sciences 13 (3), 25-35, 2025 | 2025
4. **Adsorption study for the removal of cadmium and lead from synthetic storm water using fired clay**
   Wasit Journal of Engineering Sciences 12 (3), 1-14, 2024 | 2024 | Cited: 1
5. **Electrical power generation and synthetic wastewater treatment using microbial fuel cell**
   AIP Conference Proceedings 3009 (1), 030085, 2024 | 2024 | Cited: 1
6. **Nitrate Contamination in Aquatic Systems: Sources, Effects and Remediation Strategies**
   International Conference on Sustainable Development Techniques, 1907-1937, 2024 | 2024
7. **Removal Turbidity and COD from Domestic Wastewater Using Chemical Coagulation**
   International Conference on Sustainable Development Techniques, 668-675, 2024 | 2024
8. **A review of color and COD removal from textile effluent by coagulation and advanced oxidation processes**
   IOP Conference Series: Earth and Environmental Science 1232 (1), 012001, 2023 | 2023 | Cited: 6
9. **COD reduction and power generation from dual-chamber microbial fuel cells fed with sheep manure wastewater**
   International Journal of Ambient Energy 44 (1), 835-842, 2023 | 2023 | Cited: 2
10. **A review of characteristics and treatment of domestic wastewater**
    2ND INTERNATIONAL CONFERENCE ON ENGINEERING AND ADVANCED TECHNOLOGY:(ICEAT ..., 2023 | 2023 | Cited: 7
11. **Decolorisation of Reactive Congo Red Dye Solution by Electro Coagulation Process**
    Wasit Journal of Engineering Sciences 11 (1), 66-74, 2023 | 2023

12. **Decolorization of disperse dyes: A review**
2ND INTERNATIONAL CONFERENCE ON ENGINEERING AND ADVANCED TECHNOLOGY:(ICEAT ..., 2023 | 2023 | Cited: 2

13. **Characteristics of raw domestic sewage for Al Kut city**
AIP Conference Proceedings 2775 (1), 030011, 2023 | 2023 | Cited: 1

14. **Removal of reactive dyes by electro coagulation process from aqueous solution**
AIP Conference Proceedings 2775 (1), 030010, 2023 | 2023 | Cited: 3

15. **A review of nitrate removal from drinking water**
2ND INTERNATIONAL CONFERENCE ON ENGINEERING AND ADVANCED TECHNOLOGY:(ICEAT ..., 2023 | 2023 | Cited: 5

16. **Color and COD removal from textile effluent using alum and FeCl3 coagulation**
Wasit Journal of Engineering Sciences 11 (1), 126-133, 2023 | 2023 | Cited: 3

17. **A review of the microbial desalination cell's operating parameters**
2ND INTERNATIONAL CONFERENCE ON ENGINEERING AND ADVANCED TECHNOLOGY:(ICEAT ..., 2023 | 2023 | Cited: 3

18. **Nitrate adsorption by fired clay in fixed bed column**
Wasit Journal of Engineering Sciences 10 (3), 122-133, 2022 | 2022

19. **Adsorption Study for the Removal of Nitrate from Water using Fired Clay**
Journal of Engineering Science and Technology, 18-27, 2021 | 2021 | Cited: 2

20. **Experimental investigation of a new sustainable approach for recycling waste styrofoam food containers in lightweight concrete**
Innovative Infrastructure Solutions 6 (2), 110, 2021 | 2021 | Cited: 14

21. **Removal of fluoride, nitrates and phosphor from drinking water using electrocoagulation: A Review**
IOP Conference Series: Materials Science and Engineering 1058 (1), 012050, 2021 | 2021 | Cited: 8

22. **The use of electrocoagulation to remove fluoride, nitrates and phosphorous from water**
IOP Conference Series: Earth and Environmental Science 877 (1), 012021, 2021 | 2021 | Cited: 3

23. **Adsorption of Terasil Blue on Prosopis Farcta: Performance and Modelling Study**
IOP Conference Series: Materials Science and Engineering 870 (1), 012085, 2020 | 2020 | Cited: 2

24. **BOD and COD reduction using porous concrete pavements**
Case Studies in Construction Materials 13, e00396, 2020 | 2020 | Cited: 59

25. **Effectiveness of alhagi maurorum as natural coagulant aid in grey wastewater treatment study**
IOP Conference Series: Earth and Environmental Science 612 (1), 012071, 2020 | 2020

26. **New application of eco-friendly biosorbent giant reed for removal of reactive dyes from water followed by sustainable path for recycling the dyes-loaded sludge in concrete mixes**
Journal of Material Cycles and Waste Management 22 (4), 1036-1046, 2020 | 2020 | Cited: 24

27. **Water quality index of Tigris River on Waist Governorate for aquatic life**
IOP Conference Series: Materials Science and Engineering 584 (1), 012029, 2019 | 2019 | Cited: 6

28. **The combined effect of ferric chloride and cationic poly-electrolyte CPE on coagulation of grey wastewater**
IOP Conference Series: Materials Science and Engineering 584 (1), 012003, 2019 | 2019 | Cited: 3

29. **Turbidity and TSS removal from textile wastewater using a combination of natural and chemical coagulants**
Wasit Journal of Engineering Sciences 7 (2), 36-43, 2019 | 2019 | Cited: 3

30. **Turbidity, color and chemical oxygen demand removals from synthetic textile wastewater using chitosan as a coagulant**
IOP Conference Series: Materials Science and Engineering 584 (1), 012016, 2019 | 2019 | Cited: 14

31. **Recycling of waste compact discs in concrete mix: lab investigations and artificial neural networks modeling**
The Journal of Solid Waste Technology and Management 45 (3), 369-379, 2019 | 2019 | Cited: 1

32. **Effect of Wasit Thermal Power Plant on Water Quality of Tigris River Downstream to Al Zubaidiayh City**
IOP Conference Series: Materials Science and Engineering 584 (1), 012028, 2019 | 2019 | Cited: 1

33. **Chitosan as a widely used coagulant to reduce turbidity and color of model textile wastewater containing an anionic dye (acid blue)**
IOP Conference Series: Materials Science and Engineering 584 (1), 012036, 2019 | 2019 | Cited: 14

34. **Recourse recovery of bioenergy from cellulosic material in a microbial fuel cell fed with giant reed-loaded wastewater**
Biofuels, 2019 | 2019 | Cited: 18

35. **COD removal from synthetic wastewater using pervious concrete**
2018 international conference on advance of sustainable engineering and its ..., 2018 | 2018 | Cited: 14

36. **Color removal from textile wastewater using Capparis spinosa as natural coagulant**
2018 International Conference on Advance of Sustainable Engineering and its ..., 2018 | 2018 | Cited: 5

37. **Sustainable pollutants removal from wastewater using sand filter: A review**
2018 International Conference on Advance of Sustainable Engineering and its ..., 2018 | 2018 | Cited: 27

38. **Calculation the optimum alum dosages used in several drinking water treatment plants in Wasit Governorate (Iraq) and investigation the effect of pH on alum optimum dosages**
Digital Proceeding of ICOCEE–CAPPADOCIA (2017), Nevsehir, Turkey, 2017 | 2017 | Cited: 5

39. **Environmental friendly concrete using waste compact discs as fine aggregate replacement**
Proceedings of the Fourth International Conference on Sustainable ..., 2016 | 2016 | Cited: 10

40. **Modelling study of an upflow microbial fuel cell catalysed with anaerobic aged sludge**
International Journal of Ambient Energy 37 (1), 85-93, 2016 | 2016 | Cited: 15

41. **Prediction of sustainable electricity generation in microbial fuel cell by neural network: effect of anode angle with respect to flow direction**
Journal of Electroanalytical Chemistry 767, 56-62, 2016 | 2016 | Cited: 50

42. **Cellulose Degradation Associated With Electricity Production by Mixed Cultures in Microbial Fuel Cell.**
Journal of Solid Waste Technology & Management 42 (1), 2016 | 2016

43. **Investigation the optimum combined dosages of date seeds powder as natural coagulant with chemical coagulants in domestic wastewater pretreatment**
Journal of Engineering 22 (6), 76-86, 2016 | 2016 | Cited: 7

44. **Performance of continuous flowing membrane-less microbial fuel cell with a new application of acrylic beads separator**
Desalination and Water Treatment 54 (2), 412-421, 2015 | 2015 | Cited: 7

45. **Electricity production from dual chambers microbial fuel cell fed with chicken manure-wastewater**
Wasit Journal of Engineering Sciences 3 (1), 9-18, 2015 | 2015 | Cited: 7

46. **Environmental impact assessment of domestic effluents on water quality of Tigris River discharged from Wasit Thermal Power Plant**
University of Thi-Qar Journal for Engineering Sciences 5 (1), 15-31, 2014 | 2014 | Cited: 1

47. **A novel use of undesirable wild giant reed biomass to replace aggregate in concrete**
Construction and Building Materials 67, 68-73, 2014 | 2014 | Cited: 61

48. **Environmental-friendly concrete using giant reed as undesirable wild species**
Proceedings of the SCMT3: Third International Conference on Sustainable ..., 2013 | 2013 | Cited: 4

49. **Sustainable energy generation in microbial fuel cell catalyzed with Bacillus subtilis species**
IMETI 2013-6th international multi-conference on engineering and ..., 2013 | 2013 | Cited: 6

50. **Sustainable power generation in continuous flow microbial fuel cell treating actual wastewater: influence of biocatalyst type on electricity production**
The Scientific World Journal 2013 (1), 713515, 2013 | 2013 | Cited: 72

51. **Research Article Sustainable Power Generation in Continuous Flow Microbial Fuel Cell Treating Actual Wastewater: Influence of Biocatalyst Type on Electricity Production**
2013

52. **Simultanous Electricity Production and Wastewater Ttreatment in a Microbial Fuel Cell Inoculeted with Anaerobic Sludge**
Journal of Engineering 19 (08), 1031-1038, 2013 | 2013 | Cited: 4

53. **Sustainable approach for simultaneous wastewater treatment and bio-energy production in mediator-less microbial fuel cell**
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY 244, 2012 | 2012

54. **Evaluation of Al KUT Central Water Project and Five Served Zones Using Water Quality Index (WQI).**
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55. **Electricity production during wastewater treatment in a mediator-less MFC inoculated with aged anaerobic sludge**
The papers of this book comprise the proceedings of the conference mentioned ..., 0 | 0