CURRICULUM VITA

1. Personal Backgrounds:

Name: Forat Yasir AlJaberi

Present Position: Lecturer, Chemical Engineering Department, College of Engineering, Al-Muthanna University, Al-Muthanna, Iraq

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Web of Science ResearcherID: H-9590-2019

2. Qualifications

- PhD in Chemical Engineering, Baghdad University, Iraq, 2018.
- MSc in Chemical Engineering, Basra University, Iraq, 2014.
- BSc in Chemical Engineering, Basra University, Iraq, 1995.

3. Research Interests

- Transport phenomena
- Water and wastewater treatment
- Electrochemical reactor design
- Modification of crude oil products

4. Engagement with Professional Societies

I have been invited by local and international professional societies to act as a manuscript reviewer for the following international journals. Until now, more than 70 papers that I had reviewed such as and not all:

1- Journal of Hazardous Materials. (Impact Factor:13.1) **(Outstanding Reviewer)**

2- Journal of Environmental Chemical Engineering. (Impact Factor:6.7)

3- AIP Conference Proceedings. (Impact Factor:0.6)

4- Materials Science Forum. (Impact Factor:0.7).

5- International Research Journal of Public and Environmental Health. (Impact Factor:3)

6- IOP Conference Series: Materials Science and Engineering. (Impact Factor:0.6)

7- Journal of Environment and Waste Management (Premier Publishers).

8- Research Journal of Chemical Engineering and Processing (Premier Publishers).

9- Muthanna Journal of Engineering and technology (MJET)

10- Iraqi Journal of Chemical and Petroleum Engineering.

11- Journal of Engineering (JE).

12- Al-Qadisiyah Journal for Engineering Sciences.

13- Egyptian Journal of Chemistry.

14- Aquatic Science and Technology.

15- Chemical and Biochemical Engineering Quarterly.

16- Nanotechnology for Environmental Engineering.

17- Journal of Engineering Science & Technology.

18- Journal of Materials and Environmental Science.

5. PUBLICATIONS

I have 22 publications include 15 journal articles and 7 conference papers. The total citations are 137 and H-index is 8 according to Google Scholar: (Forat Yasir AlJaberi).

Journal Papers

1) **Forat Yasir AlJaberi**, et al., "*The Effects of Classifying CRM Sources on the Asphalt Cement Modification for Paving Roads*", Journal of Environment and Ecology, Macrothink Institute, 4 (2) (2013) 27-45. https://doi.org/10.5296/jee.v4i2.

2) **Forat Yasir AlJaberi**, Wadood T. Mohammad, "*Novel Method for Electrocoagulation Removal of Lead from Simulated Wastewater by Using Concentric Tubes Electrodes Reactor*", Desalination and Water Treatment, 101 (2018) 86-91. https://doi.org/10.5004/dwt.2018.21812.

3) **Forat Yasir AlJaberi**, Wadood T. Mohammad, " *Analyzing the Removal of Lead from Synthesis Wastewater by Electrocoagulation Technique Using Experimental Design* ", Desalination and Water Treatment, 111 (2018) 286-296. https://doi.org/10.5004/dwt.2018.22208.

4) **Forat Yasir AlJaberi**, Wadood T. Mohammad," *Adsorption of lead from simulated wastewater via electrocoagulation process: Kinetics and Isotherm Studies*", Mesopotamia Environmental Journal, 4 (2) (2018) 45-65.

5) **Forat Yasir AlJaberi**, Wadood T. Mohammad," *Effecting of pH Parameter on Simulated Wastewater Treatment Using Electrocoagulation Method*", Journal of Engineering, 24 (4) (2018) 73-88. https://doi.org/10.31026/j.eng.2018.04.05.

6) **Forat Yasir AlJaberi**, Wadood T. Mohammad," *Analysis of Electrodes Consumption during the Electrocoagulation Treatment of Lead removal from Simulated Wastewaters*", Muthanna Journal of Engineering and Technology, 6 (1) 2018. https://doi.org/10.18081/mjet/2018-6/120-129

7) **Forat Yasir AlJaberi**, " *Investigation of electrocoagulation reactor design effect on the value of total dissolved solids via the treatment of simulated wastewater* ", Desalination and Water Treatment, 120 (2018) 141-149. https://doi.org/10.5004/dwt.2018.22562

8) **Forat Yasir AlJaberi**, " *Studies of autocatalytic electrocoagulation reactor for lead removal from simulated wastewater* ", Journal of Environmental Chemical Engineering, 6 (2018) 6069-6078. https://doi.org/10.1016/j.jece.2018.09.032**.**

9) **Forat Yasir AlJaberi**, "*Operating Cost Analysis of a Concentric Aluminum Tubes Electrodes Electrocoagulation Reactor* ", Heliyon, 5(8) (2019) e02307. https://doi.org/10.1016/j.heliyon.2019.e02307

10) **Forat Yasir AlJaberi**, "*Modelling current efficiency and ohmic drop in an innovated electrocoagulation reactor wastewater* ", Desalination and Water Treatment, 164 (2019) 102-110. https://doi.org/10.5004/dwt.2019.24452

11) **Forat Yasir AlJaberi,** " *A study on the significance of the crumb rubber classification on the ductility test for rubberized asphalt binder* **",** Springer Nature Applied sciences**,** (2019) 1:1472. https://doi.org/10.1007/s42452-019-1534-9

12) **Forat Yasir AlJaberi,** et al, " *Assessment of an electrocoagulation reactor for the removal of oil content and turbidity from real oily wastewater using response surface method*"**,** Recent Innovations in Chemical Engineering, 13 (1) (2020) 55-71. https://doi.org/10.2174/2405520412666190830091842

13) **Forat Yasir AlJaberi,** et al, "*Electrocoagulation treatment of high saline oily wastewater: evaluation and optimization*", Heliyon, 6 (6) (2020), e03988. https://doi.org/10.1016/j.heliyon.2020.e03988

14) **Forat Yasir AlJaberi,** et al, "*Inspection of the spark plug effect NGK nanoparticle on the dielectric properties of filled PVC paste resin*", Nano Biomedicine and Engineering (2020) 12(2): 184-190. https://doi.org/10.5101/nbe.v12i2.p184-190

15) **Forat Yasir AlJaberi,** et al, "*Studying the treatability of different types of nanoparticles for oil content removal from oily wastewater produced from refinery process*", Egyptian Journal of Chemistry (2020) 63 (12) 4963 – 4973. https://doi.org/10.21608/EJCHEM.2020.11981.1752

Conference Papers:

1) **Forat Yasir AlJaberi**, Wadood T. Mohammad," *The Most Practical Treatment Methods For Wastewaters: A Systematic Review*", Mesopotamia Environmental Journal, 5 (1) (2018) 1-28.

2) **Forat Yasir AlJaberi**, Wadood T. Mohammad," *Evaluation the effect of wastewater conductivity on voltage applied to electrocoagulation reactor* ", Journal of Al-Nisour University College, 6 (1) (2018) 133-139.

3) **Forat Yasir AlJaberi**, Basma A. Abdul Majeed," *Water Pollution in Iraq and Available Treatment Methods – General Review* ", Al-Kufa University Journal for Biology, special issue (2019) 75-85.

4) **Forat Yasir AlJaberi**, et al.," *Modeling of adsorption isotherms of oil content through the electrocoagulation treatment of real oily wastewater* ", AIP Conference Proceedings, 2213, 020041 (2020) 020041-1–020041-9; https://doi.org/10.1063/5.0000157.

5) **Forat Yasir AlJaberi**, "*Removal of TOC from oily wastewater by electrocoagulation technology*", IOP Conference Proceeding: Materials Science and Engineering, 928 (2020) 022024. https://doi.org/10.1088/1757-899X/928/2/022024

6) **Forat Yasir AlJaberi**, et al., "*Assessment of electrocoagulation treatment of textile wastewater using constant voltage and constant current modes: A comparative study*", AIP Conference Proceedings, In Press.

7) **Forat Yasir AlJaberi**, "*Removal of reactive blue dye from simulated wastewater by electrocoagulation using bipolar connection mode*", IOP Conference Proceeding: Journal of Physics, In Press.

6. Patents:

- Patent No. 5837 entitled " *Concentric Tubes Electrodes Reactor to Remove Heavy Metals From Simulated Wastewater By Electrocoagulation Method*" was issued on 16/7/2019 from the Central Agency for Standardization and Quality Control.

7. Memberships:

Member of many ministerial and university committees.

7. Academic Accounts:

- Google Scholar: https://scholar.google.com/citations?hl=en&view_op=list_works&authuser=1&gmla=AJsN-F6G3deJpUuejlJINy9VY7XHCNx4Id7zW8tsaufa28C3Z4f1zQtx9Ud-9NFRhGfXopprV-kOuXCQoRFK2TruyIxapNaWhQ&user=nuNDCaoAAAAJ
- Publons: https://publons.com/researcher/1230428/forat-yasir-aljaberi/
- Research Gate: https://www.researchgate.net/profile/Forat-Yasir-Aljaberi
- ORICD: https://orcid.org/0000-0003-4597-9593
- Linkedin: https://www.linkedin.com/in/forat-yasir-aljaberi-2570a18a/