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Assistant teacher

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1) Biography:

She received the B.S. degree in Chemical engineering and an M.S. degree from Sharif University of Technology, Iran, in 2016.
She works with the academic staff of the Scientific Division, Scientific Affairs Department, Vice President of the University for Scientific Affairs Office, University of Technology- Iraq.

2) Education:

- B. Sc. In Chemical Engineering, University of Technology-Iraq, 2002.
- M. Sc. In Chemical and Petroleum Engineering, Sharif University of Technology-Iran, 2016.

3) Research Interest:

- Water and soil pollution, water quality indices, soil, sediment, plant and water analysis, water treatment.

3) Publications:

1- Mechanical, Thermal and Chemical Properties of Waste Plastic Particles-Fibers Reinforced Epoxy composites. Journal Breeding College-number respective- years 2009.

2- Evaluation of TOC, COD, Coliform, Fecal coliform removal efficiency use by sand filter for “Sorkheh Hesar Canal" water. International Journal of Computation and Applied Sciences IJOCAAS, Volume3, Issue 1, August 2017, ISSN: 2399-4509.

3- Comparison of Different Coagulants after aeration in Investigation for TOC & COD removal efficiency for “Sorkheh Hesar Canal" water. International Journal of Computation and Applied Sciences IJOCAAS, Volume3, Issue 1, August 2017, ISSN: 2399-4509.

4- Effect of aeration then granular activated carbon on removal efficiency of TOC, COD and Coliform, Fecal coliform for “Sorkheh Hesar Canal" water”. International Journal of

Computation and Applied Sciences IJOCAAS, Volume 3, Issue 2, October 2017, ISSN: 2399- 4509.

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6- Effect of Air Mass Environmental Parameter on Photovoltaic Performance. International Journal of Trend in Research and Development, Volume 6(4), ISSN: 2394-9333 www.ijtrd.com IJTRD | July – Aug 2019 Available Online@www.ijtrd.com 150 .

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10- Comparison of granulated and powdered activated carbon in the removal of organic matter from river water. International Research Journal of Advanced Engineering and Science, Volume 5, Issue 3, pp. 191-197, 2020.

11- Using Water and Surfactants in Cleaning PV Modules Effect on its Yield. International Journal of Trend in Research and Development, Volume 7(5), ISSN: 2394-9333www.ijtrd.comIJTRD | Sep–Oct 2020.

12- Spiral Flow Heat Exchanger Effect on Photovoltaic/Thermal System Performance. INTCSET 2020/ IOP Conf. Series: Materials Science and Engineering 1094 (2021) 012037/ doi:10.1088/1757-899X/1094/1/012037.

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14- Investigation of Electrocoagulation Effect on the Removal of COD, TOC from Industrial Waste Water. International Research Journal of Advanced Engineering and Science ISSN (Online): 2455-9024.

15- Mechanical properties study of polycarbonate and other thermoplastic polymers. IICESAT Conference, College of Material Engineering, University of Babylon, Iraq Journal of Physics: Conference Series 1973 (2021) 012001/ IOP Publishing doi:10.1088/1742- 6596/1973/1/012001
16- Influence of Environment-Friendly Fuel Additives and Fuel Injection Pressure on Soot Nanoparticles Characteristics and Engine Performance, and NOX Emissions in CI Diesel Engine. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences 88, Issue 1 (2021) 58-70 ://doi.org/10.37934/arfmts.88.1.5870
17- Influence of Renewable Fuels and Nanoparticles Additives on Engine Performance and Soot Nanoparticles Characteristics. International Journal of Renewable Energy Development Journal homepage: https://ijred.undip.ac.id. ISSN: 2252-4940/© 2022. The Author(s). Published by CBIORE.
18- Influence of Aeration and Double Media Filter of Carbon and Sand on Efficiency of River water Treatment. INDIAN J. ENVIRONIMENTAL PROTECTION, VOL, 43, NO. 5, MAY 2023.
19- An experimental study to advance flow in the pipeline networ employing nanoparticle agents. AIP Conference Proceedings volume 2809, ISSUE 1. 21 July 2023.
20- Enhancing Heat Transfer: Unraveling the Dynamics of Mixed Convection in a Vertical Porous Cavity. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences 113, Issue 1 (2024) 1-12:// https://doi.org/10.37934/arfmts.113.1.112.

Teaching:

1- Practical teaching of (Chemistry, physics) 2022-2023 Department of Civil Engineering / University of Technology.
2- Practical teaching of (Chemistry, physics) 2023-2024 Department of Civil Engineering / University of Technology.

Academic Profiles Links:

• Google Scholar: https://scholar.google.com/citations?user=VEZPq_wAAAAJ.
• Research Gate no-reply@researchgatemail.net
https://www.researchgate.net/profile/Amera_Abbas.
• Orcid https://orcid.org/0000-0002-0371-8363?lang=en.
• Publons: https://publons.com/researcher/2962799/amearh-radhi/publications/.
• Scopus: https://www.scopus.com/authid/detail.uri?authorId=57220575667