

## Dr. Fadhel Azeez

### Name and contact information

Name: Fadhel Abbas Azeez  
Rank: Associate Professor  
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### Education

Degree	Field	Institution	Country	Year
PhD.	Chemical Engineering	North Carolina State University	USA	Nov, 2009
M.S.	Chemical Engineering	North Carolina State University	USA	Nov, 2005
B.S.	Chemical Engineering	Kuwait University	Kuwait	2001

### Academic Experience

Institution	Designation	Country	Year/period
Kuwait university	Associate professor	Kuwait	2020 - present
Kuwait university	Assistant professor	Kuwait	2009 - 2020

### Non-academic experience

Office/Organization	Designation	Year
Kuwait University	Vice Dean for Admissions	Fall 2022 to present
Equate	Process engineer	2001-2003

### Membership in professional organization

Society Name	Type of Membership
American Institute of Chemical Engineers (AIChE)	Member
Member of Electrochemical Society (ECS)	Member

### Honors and awards (Most Recent/Distinguished)

Honor/Award
Representative of Chemical and Biomolecular Engineering Department, North Carolina University at the 4rth graduate student research symposium
Representative of Chemical and Biomolecular Engineering Department, North Carolina University at the 4rth graduate student research symposium
Scholarship for M.Sc and Ph.D from Kuwait University. 2003
Dean Honor List. 1998-2001

### Journal Publications (Most Recent/Distinguished)

- BinSabt, M. H., Azeez, F. A., & Suleiman, N. (2023). Eco-friendly Silane-Based Coating for Mitigation of Carbon Steel Corrosion in Marine Environments. *ACS omega*, 8(14), 12886-12898.
- Alsaiddi, M., Azeez, F. A., Al-Hajji, L. A., & Ismail, A. A. (2023). Hierarchical porous TiO<sub>2</sub> with a uniform distribution of anchored gold nanoparticles for enhanced photocatalytic efficiency and accelerated charge separation for the degradation of antibiotics. *Environmental Science and Pollution Research*, 30(7), 17951-17964.
- Alsaiddi, M., Azeez, F. A., Al-Hajji, L., & Ismail, A. A. (2022). Impact of reaction parameters for photodegradation pharmaceuticals in wastewater over gold/titania photocatalyst synthesized by pyrolysis of NH<sub>2</sub>-MIL-125 (Ti). *Journal of Environmental Management*, 314, 115047.

- Azeez, F., & Refaie, A. (2022). Integration of Semi-Empirical and Artificial Neural Network (ANN) for Modeling Lithium-Ion Electrolyte Systems Dynamic Viscosity. *Journal of The Electrochemical Society*, 169(2), 020527.
- Azeez, F., Al-Hetlani, E., Arafa, M., Abdelmonem, Y., Nazeer, A. A., Amin, M. O., & Madkour, M. (2018). The effect of surface charge on photocatalytic degradation of methylene blue dye using chargeable titania nanoparticles. *Scientific Reports*, 8(1), 1-9.

#### Recent professional development activities

Role in Service	Service Type	Surface Title / Description
Member	Management and organization	Kuwait University-Kuwait Petroleum International committee (KU-KPI ) for putting activation plan of the MOU between Kuwait University and Kuwait Petroleum International
Lecturer	Training Course	Training program for recently graduated engineers in water and electricity ministries
Member	Management and organization	Committee for selection of experimental setups, specifying standards and placing purchase orders of renewable energy lab for the new campus.
Lecturer	Scientific	Short course in Basic Oil Industry- Downstream. 2012
Member	Management and organization	A member of a committee responsible to interview and nominate KU's graduates to train in Kuwait Petroleum International
Member	Students and Faculty affairs	Member of Students and Faculty affairs committee.
Evaluator	Evaluation	Evaluation of foreign engineers
Member	Management and Scientific	General facility (Petroleum Refining & Petrochemical Research Lab) steering committee
Director	Management and Scientific	Director for General facility Petroleum Refining & Petrochemical Research Lab. 2015-2018
Judge	Fair	Judge in International Invention Fair in the Middle East (IIFME)
Evaluator	Evaluation	Evaluation committee for foreign engineers in Kuwait Society of Engineers
Judge	Scientific Affairs and Fair	Judge in Intel International Science and Engineering Fair (ISEF)
Consultant	Consultation	“Asphaltene Inhibitors Screening and Practical Predictive Tool Development for Asphaltene Handling in Kuwait Crude Oils and Reservoirs” with KOC Contract No. 18052633 (RFP No. 2018202)

#### Supervision of graduate students (Most Recent/Distinguished)

Title	Type	Name of Student	Date of Completion
Simulation of flow through beds of perfusive particles (Swarm, Cell, and Effective Medium Models)	Project	Nabeel Aldulaimi	2024
"A Novel Gel-Solid State Multi-layer electrolyte for Lithium Ion Batteries"	Thesis	Abdelrahman Refaie	2022
“Anwar Ali” Optimizing the electrolytes and corrosion protection of Li-ion Batteries using LiTDI based electrolytes”, ,	Thesis	Anwar Ali	2022

<b>Title</b>	<b>Type</b>	<b>Name of Student</b>	<b>Date of Completion</b>
"Improvement of novel protective coatings for stainless steel protection"	Thesis	Nour Suliman	2021
" Photodegradation of Pharmaceutical in Domestic Wastewater by Metal-organic framework materials as Nano photo catalyst "	Thesis	Mariam M. Alsaidi,	2021
Prediciting ionic conductivity in a chemical physical framework for Lithium ion battery	Project	Anwar Ahmad	2020
" Construction and Demolition Waste Management in the State of Kuwait: Changes and Solutions."	Project	Zainab Jawad Mohammed	2019
" Gaseous Emissions in Kuwait's Municipal Solid Waste Landfills: Utilization and Management "	Project	Sujood Khalid Jowher	2019