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**Dr. Hamad Al-Adwani**

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**1. Name & Contact Information**

Name: Dr. Hamad A. Al-Adwani  
Rank: Associate professor  
Address: Department of Chemical Engineering  
College of Engineering and Petroleum  
Kuwait University  
E-mail: hamad.aladwani@ku.edu.kw

**2. Education**

Degree	Discipline	Institution	Year
Ph.D.	Chemical Engineering	Texas A&M University	1998
M.Sc.	Chemical Engineering	Texas A&M University	1992
B.Sc.	Chemical Engineering	Kuwait University	1989

**3. Academic Experience**

Institution	Designation	Year/Period
Kuwait University	Associate Professor	2005 – 2018
University of British Columbia	Visiting Assistant Professor	7/2004-9/2004
Kuwait University	Assistant Professor	1998 – 2005
Kuwait University	KU Scholarship Holder	1/1990-12/1998

**4. Non-Academic Experience**

Organization	Designation	Year/Period
Council of Ministers, State of Kuwait	Minister of Education, Higher Education, and Scientific Research	10/2022 – 7/2023
National Bureau for Academic Accreditation and Education, Quality Assurance, State of Kuwait	General Director	6/2018 – 10/2022
Kuwait University	Acting Dean of Admission and Registration	3/2018 – 6/2018
Kuwait University	Associate Dean of Admission and Registration	6/2015 – 3/2018
Embassy of the State of Kuwait Washington D.C., USA	Cultural Attaché	7/2009 – 9/2013

## **5. Membership in Professional Organization:**

Kuwait Society of Engineers

## **6. Publications and Presentations (2013 to present)**

A review of heterogeneous nucleation of calcium carbonate and control strategies for scale formation in multi-stage flash (MSF) desalination plants

J Zhao, M Wang, HMS Lababidi, H Al-Adwani, Karen K. Gleason- Desalination, 2018

The analysis of drag reduction in Kuwaiti crude oil samples using surfactants and polyacrylamide

H Al-Adwani, A Al-Mulla - Journal of Petroleum Exploration and Production Technology, 2019

Micro-/Nanoscale Approach for Studying Scale Formation and Developing Scale-Resistant Surfaces

Hossein Sojoudi, Srinivasa Kartik Nemani, Kaitlyn M. Mullin, Matthew G. Wilson, Hamad Aladwani, Haitham Lababidi, and Karen K. Gleason, ACS Appl Mater Interfaces

. 2019

## **7. Supervised Thesis**

1. Co-Advisor: Faisal S. Al-Dhafiri “Performance Improvement of Catalytic Hydrotreating Processes”, (with Dr. Lababidi)

2. Co-Advisor: Faisal Al-Humaidan “Modeling Hydrocracking Kinetics of Atmospheric Residue by Discrete and Continuous Lumping”, Graduated 2004, Won Departmental Best Graduate Research Prize (with Dr. Lababidi)

3. Co-Advisor: Reem Maroof “Evaluation of Thermodynamic Models in Process Simulators”, (with Dr. Riazi)

4. Advisor: Sarah Al-Ojairi “Prediction of hydrotreating severity based on physical properties of petroleum fractions”

5. Advisor: Elham Al-Hasawi “ Optimization of waste water treatment plant operations. Among others