



Name: Dr. Suad Al Radhwan

Rank: Assistant Professor - Petroleum Engineering

Title: Manager - Innovation & Entrepreneurship Center

Personal Information

Nationality: Kuwaiti

AU Joining Date: 02 Sep 2018

E-Mail Address: s.alradhwan@au.edu.kw

Professional Information

Education:

Qualification: Doctorate
Major: Chemical Engineering
College/University: Bath University, UK
Year: 2005

Qualification: Masters
Major: Chemical Engineering
College/University: Kuwait University
Year: 1996

Qualification: Bachelor
Major: Chemical Engineering
College/University: Kuwait University
Year: 1984

Specialization: 34 years of Experience at KNPC refineries including Process, Projects, R&T, Renewable Energy, etc.

Current Academic Position: Assistant Professor - Petroleum Engineering

Current Professional Positions: Manager - Innovation & Entrepreneurship Center

Previous Administrative Position Held: Manager Research & Technology at KNPC

Previous Academic Positions Held:	Adjunct Lecturer at AU
Fellowships And Honors:	- the Winner of 1st place for the Leadership Excellence of Women Awards under the category of "Woman of Achievement" for MENA region in 2015 - The winner of best snr graduate project under Petroleum Eng. Dept at ACK, June 2019 - The winner of best snr graduate project under Petroleum Eng. Dept at AU, June 2023 - The Winner of Teaching Excellence Award for College of Engineering at AU, October 2023 - The winner of best snr graduate project under Petroleum Eng. Dept at AU, December 2023 - The winner of best snr graduate project under Petroleum Eng. Dept at AU, December 2024
Teaching Experience:	- Taught KNPC Kuwaiti under development engineers on ISO 14001 Environment related issues. - Taught Environmental Impact Assessment (EIA) (2040-504) for Master Degree at Kuwait University for two consecutive semesters. - Taught as Adjunct Lecturer at AU for different courses under Petroleum Engineering from 2014. - 7 sessions of 3 days training for middle management employees under KPC & its subsidiaries on Operating Model Values and Accountability
Industrial And Technical Experience:	34 years of industrial experience in Process Engineering and computer application which includes 8 years' experience as a Head of Refinery Process Engineering Division, 3 years as Manager for engineering design for critical projects and 8 years as a Head of R&T Department since it is established in 2010. Also, was the Project Manager of the National Project of installing 1 GW of PV Solar Plant.
Research Interest:	Crude Characterization, Refining, Renewable Energy, Natural Gas processing, Environment management and sustainability
Research Grants:	NA
Research and Publications including Journal and Books:	- Suad Al Radwan, Barry D. Crittenden and Haitham M.S. Lababidi, Waste Water Minimization in Refineries and Process Industries under Uncertain Operational Conditions; Computers and Chemical Engineering 29 (2005) 1009–1021. - Lababidi, H.M.S., H.I. Shaban, S. Al-Radwan and E. Alper, "Simulation of an Atmospheric Residue Desulfurization Unit by Quasi - Steady State Modeling", Chem. Eng. & Technol. ,Vol.21 ,pp.193-200 ,1998 - Fawaz S.Al-Anzi, Haitham M. S. Lababidi, GhanimaAl-Sharrah, Suada.Al-Radwan & Ho Joon, Plant health index as an anomaly detection tool for oil refinery processes. Scientific Reports, 7th December 2021 - Rana Malhas, Jean El Achkar, Suad Al Radhwan, Optimization Oil Removal from Oil-Water Emulsions Using Novel Iron Oxide Magnetic Nanoparticles, Springer, 18 August 2023

Paper Presentations at Professional Conferences:	- Suad Al Radwan, Hussain M. Said, Atmospheric Residue Desulphurization Experience at KNPC (MAA Refinery), Sapporo, Japan, October 25-26, 2007 - Suad Al Radwan, Hussain M.Said & J.V.Parthiban . Deep Desulphurisation of Gas Oil at KNPC - MAA Refinery Kuwait / Japan 7th Joint Symposium on Petroleum Refining~ 13 & 14th November 2005 - Suad Al Radwan, LK Nandi, Economic impact of Gas Plant Reliability at MAA refinery. GCC Reliability and turnaround symposium Kuwait 16-17 May 2005 - Suad Al Radwan, Walid Al-Gawas and B.V.R. Murthy "Catalyst Selection for Hydrocracking, Kuwait / Japan 6th Joint Symposium, September 27-28, 2004 - Suad Al Radwan, Barry D. Crittenden and Haitham M.S. Lababidi Waste Water Optimization, 54th Canadian Chemical Engineering Conference, 2004. - Suad Al Radwan, Hussain M.Said & Mohammed A/Aziz .Challenges of Achieving the Optimum FCC yields with Operation and Feed Constraints, FCC Technology Conference, Dublin, Ireland, June 11-14, 2002. - Lababidi, H.M.S., H.I. Shaban, I.M. Alatiqi and S. Al-Radwan, "Simulation of an atmospheric Residue Desulfurization Unit ", International Conference on Refinery Processes, AIChE Spring National Meeting, New Orleans, LA, March 9-11 ,1998. - Suad Al Radwan, Crude Oil Analysis & Blend Optimization using Mathematical Modeling, 10th TICE & 3rd EAA, 7th Nov 2019, Kuwait - Suad Al Radwan, "Effective R&D Collaboration between University and Industry", KOGS Kuwait Oil & Gas Show and Conference, Kuwait 13 – 16 October, 2019 - Suad Al Radhwan, Feasibility Study of Solar PV Implementation at Australian University, 21st Kuwait/Japan Joint Symposium, Kuwait 5-6 February, 2024
College Service including committee Membership:	- Certified as Educational Institution Auditor (CEIA) by Kuwait Private Universities Council (PUC). - Member of the "External Advisory Board" in the Chemical Engineering Department at Kuwait University (ABET) for undergraduate Program. - Member of the "External Advisory Board" in the Chemical Engineering Department at Kuwait University for Graduate Program. - Member of Evaluation team for Reaccreditation of Australian University (AU) in 2014 and 2008. - Member in Industrial Advisory Board for accreditation of the Electrical and Computer Engineering Department at AUK. - Member in Peer Review team for AACSB accreditation for the College of Business & Economics at AUK - Focal Point and the main coordinator for the collaboration with KIPIC with KIPIC - Chairperson for the Innovation Corner of MAINTCON Conference 2022 - Member in a committee of Technical Professional Ladder Job Family for promotion of Processing Engineers at Kuwait Integrated Petroleum Industries Co. (KIPIC)
National Service:	NA

College Committees:	Department Council
	Teaching, Learning Validation & Moderation Committee
	Curriculum Committee
	Students Appeals and Complaints Committee
	Accreditation Committee
	Appointment and Promotion Committee
	Departmental Disciplinary Committee