

Welcome to KFUPM

Dr. Mohamed Kheireddine Aroua

Chair Professor

Chemical Engineering Department

Affiliated with Interdisciplinary Research Center for Hydrogen Technologies & Carbon Management



Education:

PhD. from the University of Nancy 1,
France, 1992

Previous Institution:

Sunway University, Malaysia,
Distinguished Professor & Head
Centre of CO₂ Capture and Utilization
2017-2025

Research Profile (SCOPUS):

Total Citations: **20,393**

Total Journal Publications: **305**

H-index: **69**

Professional Interests:

CO₂ Capture and Utilization, Separation
Processes, Waste Valorization & Up-cycling,
Water Treatment

About Dr. Aroua:

Dr. Mohamed Kheireddine Aroua is a leading researcher in water, energy, and environmental technologies. His work focuses on green solvents and processes for CO₂ capture and utilization, advanced treatment of water and wastewater, biodiesel production, waste valorization, and membrane-based solutions for water security. He has supervised 36 PhD and 25 Master's students. Dr. Aroua was recognized among the top 1% highly cited researchers by Clarivate Analytics (2018–2019) and ranked in Stanford University's top 2% world scientists for career-long and annual impact (2020–2024). His achievements include the IChemE Global Water Award (2018) and 1st Place in the Mohammed bin Rashid Al Maktoum Global Water Award (3rd Cycle, International Institutions category) in 2023.