

Dr. Ahmad Mandani Mohammad Khalfan

Professor Assistant of Automotive & Marine Engineering Technology

Education:

1992, Diploma in chemical engineering technology, College of Technological Studies (CTS) “The Public Authority for Applied Education and Training” (PAAET), Kuwait.
2001, B.Eng. (Mechanical Engineering), The Arab Academy for Science and Technology and Maritime Transport, (Alexandria, Egypt).
2006, Master of Science (M.Sc.) in Automotive Engineering from Coventry University, UK.
2017, PhD in Automotive Engineering from University Of Leeds, UK.

Other related experience:

Instructor Assistant in Water and Electricity Institute in “The Public Authority for Applied Education and Training” (PAAET)-Kuwait from 1993.
Instructor in Water and Electricity Institute in “The Public Authority for Applied Education and Training” (PAAET)-Kuwait from 2001.
Lecturer in Automotive & Marine Engineering Technology Department in College of Technological Studies (CTS) in “The Public Authority for Applied Education and Training” (PAAET)-Kuwait from 2006.
Head of Cultural and social Committee College of Technological Studies (CTS) from 2006.
Head of Social Committee in Association of academic staff in applied colleges (PAAET)-Kuwait from 2006.
Professor Assistant in Automotive & Marine Engineering Technology Department in College of Technological Studies (CTS) in “The Public Authority for Applied Education and Training” (PAAET)-Kuwait from 2017.

Number of years in service at this facility:

Fourteen years.

Teaching interests:

Thermodynamic, Physics, Fluid Mechanics, Combustion, Fuel, Automotive Emissions, Equipment Operation and Safety, Automotive Mechanics, Automotive maintenance.

Courses taught at PAAET:

Thermodynamic, Physics, Fluid Mechanics, Fuel and Combustion, Equipment Operation and Safety, Automotive Mechanics, Automotive maintenance, Water technology, Water desalination, Heat transfer.

Research interest:

Real world driving emissions, analysis of tailpipe emissions, thermal efficiency, fuel consumption.

Principal of publication last five years:

- 1) Diesel Cold Start into Congested Real World Traffic: Comparison of Diesel, B50, B100 for Gaseous Emissions [SAE 2013-01-2528](#).
- 2) Determination of GHG Emissions, Fuel Consumption and Thermal Efficiency for Real World Urban Driving using a SI Probe Car [SAE 2014-01-1615](#).
- 3) Speciation of Nitrogen Compounds in the Tailpipe Emissions from a SI Car under Real World Driving Conditions [SAE 2014-01-2812](#).
- 4) Cold Start SI Passenger Car Emissions from Real World Urban Congested Traffic [SAE 2015-01-1064](#).
- 5) Real World Driving: Emissions in Highly Congested Traffic [SAE 2017-01-2388](#).

Scientific and professional of which a member:

- 1) Member at Society of Automotive Engineers SAE International.

Institutional service last five years:

2017-2018 Member of Budget committee.