

## **Hassan A. Mulla Ali, Assistant Professor of Automotive and Marine Engineering Technology**

### **Education:**

1997, B.Sc., University of Colorado, Mechanical Engineering, USA  
2004, M.Sc., University of Bath, Automotive Engineering, UK  
2011, Ph.D., University of Bath, Automotive Engineering, UK

### **Number of years of service on this faculty:**

Fifteen Years  
2003 – 2018 Assistant Professor of Automotive and Marine Engineering Technology.

### **Other related experience:**

1997 to 2033, Mechanical Engineer in Equate Petrochemical Company

### **Teaching interests:**

Diesel Injection systems, Thermodynamics, Automotive Engines Technology

### **Courses taught at PAAET:**

Diesel Injection Systems, Thermodynamics, Gasoline Injection Systems, Automotive Engine Technology, Modern Automotive Systems, Power Transmission I, Power Transmission II

### **Research interests:**

Biodiesel Studies, Combustion Analysis, Fluid Mechanics and Aerodynamics

### **Principal publications of last five years:**

1. C. D. Bannister, J. G. Hawley, H. M. Ali, C. J. Chuck, P. Price, S. S. Chrysafi, A. Brown, and W. Pickford, 2009. "The impact of biodiesel blend ratio on vehicle performance and emissions", IMechE J. of Automobile Engineering Vol. 224 (3), part D, pp. 405-421.
2. C. D. Bannister, J. G. Hawley, H. M. Ali, C. J. Chuck, P. Price, A. J. Brown, W. Pickford, "Quantifying the Effects of Biodiesel Blend Ratio, at Varying Ambient Temperatures, on Vehicle Performance and Emissions", SAE Paper, 2009, No. 2009-01-1893.
3. C. D. Bannister, H. M. Ali and J. G. Hawley, 2011. "Investigation into the impact of RME biodiesel on Diesel Oxidation Catalyst Performance", IMechE J. of Automobile Engineering, Part D.
4. Murad, Ahmad E.; Alnaqi, Abdulwahab A.; Mullali, Hassan A.; Alsarraf, Jalal; Alawadhi, Khaled; AlRashed, Abdullah A. A. A.; Morad, Mukhtar M. A., "Thermal performance of disc brakes using genuine and non-genuine brake pads in Kuwait", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 11, Number 8 (2016) pp 5806-5810.
5. Mukhtar M. A. Morad, Ahmad Murad, Abdulwahab Ali Alnaqi, Hasan Mulla Ali, Esam AM Husain, Ahmad Alkandari, The Comparison Cost of EVs Charging via Plug-in Electricity and Gasoline Source, Journal of Mechanical Engineering and Automation, Vol. 6 No. 1, 2016, pp. 1-7. doi: 10.5923/j.jmea.20160601.01.
6. Abdulwahab A. Alnaqi, N.S. Reddy, 1Khaled Alawadhi, Ahmad E. Murad and Hasan A. Mulla Ali," Neural Network Predictive Model for Welded Marine Pipeline Internal Corrosion", Research Journal of Applied Sciences, Engineering and Technology 13(7): 585-592, 2016, DOI:10.19026/rjaset.13.3018, ISSN: 2040-7459; e-ISSN: 2040-7467
7. Alawadhi, Khaled, Abdulwahab A. Alnaqi, Jalal Alsarraf, Hasan A. Mulla ali and Ahmad E. Murad. "Numerical Investigation of Turbulent Flow over a Rotating Circular Cylinder under Marine Conditions." International Journal of engineering Research and Applications, Vol. 7, Issue 2, (part – 5), Feb. 2017, pp 29-37.
8. Hasan Mulla ali, Abdullah A.A.A. Al-Rashed, Abdulwahab A.Alnaqi, "Double Diffusion in Cavity

Due to Lower Half Concentration “, Research Journal of Applied Sciences, Engineering and Technology 13(12): 585-592, 2016, DOI:10.19026/rjaset.13.3018, ISSN: 2040-7459; e-ISSN: 2040-7467

9. Hasan A. Mulla ali, Abdullah A.A.A. Al-Rashed, Abdulwahab Ali Alnaqi, “Double Diffusive Convection Due to Aiding Flow in Square Porous Annulus “,International Journal of engineering Research and Applications Vol. 7, Issue 4, (part – 5), Apr. 2017, pp 28-39.
10. Morad, Mukhtar M. A., Alnaqi, Abdulwahab A.; Murad, Ahmad E.; Husain A.M. Esam., Mull Ali, Hasan A.; Al-Rashed, Abdullah A. A. A., “ The Effect of Using a Modified A/C System on the Cooling System Temperature of an Internal Combustion Engine”, International Journal of Applied Engineering Research ISSN : 2248-9622, Vol. 7, Issue 5, ( Part -3) May 2017, pp.92-99

**Scientific and professional societies of which a member:**

1. Member of Kuwait Society of Engineers.

**Honors and awards:**

**Institutional service in last five years:**

**Professional service in last five years:**

**Professional development activities in last five years:**

1. Compliance Assurance Safety Auditing Course, 5 – 6 August 1998, Equate Petrochemical, Kuwait
2. Managerial Presentations, October 1999, MDI, Inc – USA
3. Pumps and Compressors: Maintenance and Trouble Shooting, 18 – 22 November 2000, Dubai, UAE
4. Excel Partnership ISO 9000 : 2000 Transition Auditor Course, 24 – 25 October 2001
5. Metallurgy for Non-Metallurgists, 22 – 26 December 2001, Dubai, UAE
6. John Crane EAA Gas seals training course, 18th April 2002, Equate Petrochemical, Kuwait
7. P3e – Primavera Project Planner for Enterprise – 102, 03 – 07 August 2003, Equate Petrochemical, Kuwait
8. Engineering Drawing using “VISIO” , Kuwait Society of Engineers, 9 – 11 December 2013
9. Occupational Safety , Kuwait Society of Engineers, 2 – 6 November 2014
10. Introduction to “MATLAB & Simulink” , Kuwait Society of Engineers, 20 – 22 March 2016
11. Professionalism In Electronic Testing , PAAET Faculty Association Club, 21 – 22 March 2017
12. Introduction to “moodle” , PAAET Faculty Association Club, 29 March 2017