


## Curriculum Vitae

Name	Eiman Ali-Eh. Sheet	
Sex	Female	
Birth date	1957	
Birthplace	Iraq - Baghdad	
Nationality	Iraqi - Arabic	
Languages	Arabic, English	
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Work address	Energy and Renewable Energies Technology Center/ University of technology /Iraq/Baghdad	
Marital state	Marriage	
Position	Lecturer – Chemical Engineering	

### Qualification

- B.Sc. in Chemical Engineering, University of technology, Chemical engineering department, (1979) my degree is the first 10 graduate.
- Diploma in Gas & oil Refinery, University of technology, Chemical Engineering department (2002).
- M.Sc. in Oil Refinery and Petrochemical industry, University of technology, Chemical Engineering department (2008).

### Practical and academic experiences

- I work for 3 years as chief of fluid laboratory in chemical engineering department, university of technology, teaching students of second and third class of chemical engineering (1979-1982).
- I work for 11 years as chief of fluid laboratory in Mechanical engineering department, university of technology, teaching students of second class electrical engineering department, Mechanical engineering department, Civil engineering department & production and metal engineering department (1985-1996).
- Working for 2 years as assistant lecturer in ministry of oil (Baghdad) teaching Gas and oil refineries (1996-1998).

- Working for two year as supervisor on the laboratories of Mechanical engineering department (2003-2005).
- Researcher in Energy and Renewable Energies Technology Center, university of technology (2005 – till now).
- Prepare anew antiknock multicomponents additives for enhancement Al-Dora gasoline refinery.
- Teaching air-conditioning maintenance technology in continuous education center, university of technology.
- Teaching flow meters technology in continuous education center, university of technology.

### **Researches done**

- Study of some gasoline additives on emission characteristics.
  - Improvement of gasoline fuel by adding preparation antiknock additives.
  - Effect of prepared antiknock additives gasoline blends on exhaust emission in different composition.
  - Preparation of bio-diesel fuel from used vegetable waste oil.
  - Enhancement of Gasoline Octane Number by Reformate Fractionation.
  - Take advantage of some household waste to preparing hydrogen
  - Effect of oxygenates additives on corrosion rate of different materials which used in car engine part.
  - Petroleum cracking by using Special Catalyst to Produced High Octane Gasoline.
  - Ethanol Production from Agricultures Residues
  - Biodiesel Production from Waste Frying Oil.
- Biogas production from waste vegetable.

### **Researches publication:**

- Prepared antiknock gasoline additive by light petroleum product fractionation.
- Relative performance of 4-Stroke SI Engine using modified fuel formula in Iraq.
- New Anti-knock Additives to Improve Gasoline Octane Number.
- Evaluation of Inhibitor Blend Efficiency in Recirculation Cooling Water of Al-Doura Refinery.

- Relative Performance of Compression Ignition Engine Using Various Blends of Diesel - Ethanol Fuels.(Energy Conference)
- Improvement of an SI Engine Performance using Modified Al-Doura Pool Gasoline Formulae: Simulation Study.
- Performance of a Modified Al-Doura Pool Gasoline.
- Corrosion Behavior of Al-alloys in Condensed Synthetic Automotive Solution Containing Selective Component Mixtures.(Cairo conference)
- Effects of Biodiesel Fuel upon the Exhaust Emission and the Performance of Compression Ignition Engine.
- Process for Producing High Octane Gasoline Having Lower Benzene Content and Distillation End Point with its Environmental Effect of Engine Exhaust Emissions.
- Performance and Sensitivity analysis of Factors Affecting NO<sub>x</sub> Emission from Hydrogen Fueled SI Engines.
- Corrosion Effective of Condensed Synthetic Automotive Solution Containing Selective Organic Component Mixtures on Al- alloys.
- Modeling and Control of PEM Fuel Cell Using Neural Networks.
- Experiment Study of the Operating Temperature Effect on the Performance of PEM Fuel Cell.(Malaysia conference)

### **Accepted to Publish**

- Relative Change in SI Engines Emission and Performance Parameters Using New Locally Made Octane Enhancer.

### **Pilot Project**

- 1- Design and construction of water solar distillation work by steam circulation technique.
- 2- Design and construction of battery (Deep cycle) especially for electrical power storage with specification of 12V/60Ah.