

Curriculum Vitae

BASHAR JASEM, MSc.Eng.
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Citizenship: IRAQI

Education

M.Sc. Mechanical Engineering, Minor Production and metallurgy, University of Mosul, Iraq, 2001.
Dissertation: **Study of Plastic Deformation in Thick Wall Cylinder Subject to High Internal Pressure and Temperature**

B.Sc. Mechanical Engineering, General Mechanics, University of Mosul, Iraq, 1990.
Bachelor of Science project title: **Domestic Solar Water Heater**

Employment History

Lecture Department of Computer Techniques Engineering, Al-HADBA University, 2012-2021.

Duties: Teach courses at undergrad level, supervise and mentor students, conducting research, prepare reports to accreditation agencies, and serve in academic committees and other faculty duties

Design Engineering: Department of Mechanical Inspection, Al-KINDY establishment .2003-2009.

Duties: Tensile Testing, Sheer Testing, Impact testing, Pressure vessel testing, Internal Combustion testing, Combustion rate testing, and Hardness testing.

Research Engineering, Centre of research and development” Al-KINDY establishment .1993-1995.

Duties: Work on simulation of internal Combustion, aerodynamic analyses, pressure vessel design.

Design Engineering, Department of Design -Al-KINDY establishment .1995-2003.

Duties: Work on Mechanical workshop as a designer, structure, mechanical parts.

Sit Engineer, in Public facility for the implementation of industrial projects .1990-1993.

Duties: Work as piping engineer in BEGE refinery, AL-DORA refinery, Equipment Installation.

TEACHING

Courses Teaching

- Undergrad Level: Introduction to Manufacturing, Mathematics(I),Mathematics(II), Static, Dynamic, metallurgy, Industrial engineering ,Statistics , Engineering Drawing, Workshop, Operation research , strength of material, AutoCAD.

RESEARCH

Paper in Internationally Recognized Referred Journals

- **Esam I. Jassim** and Bashar I Jasem, (2019), “Contribution of Ignition Timing Variation to the Greenhouse Gas Emission and Coolant Performance in Spark Ignition”, 2019, *IOP Conf. Ser.: Earth Environ. Sci.*, **219(1)**, 012013.

Papers in Refereed Proceedings in International Conference

- **Esam I. Jassim**, **Faizan Ahmad**, and **Bashar I Jasem**, “Evaluating the Influence of Nanofluid Type and Volume Fraction on the Performance of Heat Exchanger Particle”. *ASME conference*, The International Mechanical Engineering Congress and Exposition (IMECE2020), Portland OR, 16-19 November, 2020.
- **Esam I. Jassim**, **Faizan Ahmad**, and **Bashar I Jasem**, “Effect of Mixing Nano-additive With Engine Oil on The Heat Transfer Performance”, proceeding in the 12th International Petroleum Technology Conference and Exhibition, 13 - 15 January 2020, Dhahran, Saudi Arabia.
- **Esam I. Jassim**, **Panos Sphicas**, and **Bashar I Jasem**, “Environmental Impact of Mixing Biofuel with Gasoline in Spark Ignition Engine”, proceeding in the 3rd international conference on Environmental, Industrial and Energy Engineering, (EI2E2019), September.19-21, 2019, Yinchuan, China.