

CURRICULUM VITAE

C-V



PERSONAL INFORMATION

Name	Saadon fahad Dakhil Albahadili
Date & place of birth	1/7/1955 Basrah-Iraq
Current position	Department of fule&energy Engineering.Basra -Engg technical college.Southern technical University
Gender	Male

ACADEMIC BACKGROUND

Certification		Year	Name of Academic
BSc.	Mechanical Engineering	1976-1980	University of technology-Baghdad
M Sc.	Mechanical Engineering	1991-1992	University of Basra
PhD	Mechanical Engineering	2003-2006	University of Basra

EXPERIENCE

experience	Place	date
Lecturer, Deptt. of mechanics	Technical Institute of Basrah	1980-1985
Director of mechanical works shope	= =	1986-1988
Director of scientific affairs office		1995-1997
Head of Mechanical Deptt.	Technical Institute of Basra	1997-2002

Head of fuel & energy Engineering	Technical College/ Basra	2008-2011
Scientific titles		
Title	period	date
Assist lecture	1982-1990	23/6/2198
Lecturer	1990-1997	20/1/1990
Assist Prof	1997-2015	3/9/1997
Professor	2015	15/6/2015
PROFESSIONAL DEVELOPMENT		

- Internal combustion engines \fuel
- Internal combustion engines \noise redaction
- Heat transfer ; theoretical analysis .
- Numerical solution for mechanical (Fluid & thermal) problems.
- Simulation solution for internal combustion engine(Combustion & fuel spray.)
- FLUENT software ,representation.
- High experience into engine design and maintainace.

High graduate supervisor & Science activities

- Fourty students Msc degree.
- Six student PhD degree.
- External examiner to the Andahar University- INDIA
- Reviwer to the Thmasal University –Bankok –Tiland .
- Rviwer to the Northwest Agriculture and Forestry University,
- Yangling 712100, China.
- Performing many mechanical tests for public and indigenous corporations.
- Offering engineering consultations in mechanical designs for public and indigenous corporations.
- Consultative status with the Federation of Industries –BASRAH.
- Implementation of projects in the oil industry.

RESEARCH INTERESTS:

1-Technology of auto elements. Text book, 2nd year automotive section.

(1991) Iraq.

2-Fuel consumption economy for petrol engine, technical journal, foundation of technical institutes, pp8-12, vol.1, No.4, 1986/iraq.

3-Development of turbocharger procedures for diesel engines , technical journal, foundation of technical institutes, pp47-63, vol.1, no.3, 1988/iraq.

4- Effect of induction ports on combustion and fuel economy", technical journal, foundation of technical institutes, pp1-10, vol.2, no.3, 1989/iraq.

5-A performance a locally mufflers", 2nd conference of mechanical engineering research , pp17-28, 20-21 april, 1993, basrah.

6- Effect of compression ratio of exhaust noise level", Al-Rafidain, engineering journal, pp207-214,vol.2,No.4, 1994,Mosul, Iraq.

7- "A performance study of a plenum mufflers by using an electric noise system". 1st. conference of Iraqi technology, university of technology, BAHGDAD, IRAQ, 1995,.

8- A diagnose study of Iraqi refrigerator (Ishtar)," 5th conference of foundation of technical institutes, march 1996.

9-Engine noise reduction first scientific conference for air prolusion, Mars 1997, iraq.

10-Effect of perforated mufflers on an engines performance , 6th conference of foundation of technical institutes, pp17-26, march 1998, iraq.

11- (phD thesis- 2007)An aerodynamic analysis of gasoline direct injection engine processes operating under stratified charged conditions

12-Numerical prediction to study the effect of pentroof chamber on the induction swirl density" 10th conference of foundation of technical institutes, march 2007 Najaf .

13- Effect of operating parameters on the fuel spray characteristic”

11th conference of foundation of technical institutes, March 2009 Baghdad.

14-Numerical prediction of piston wall temperature on the fuel spray mechanism, International journal of Fluids & dynamics (IJFD) INDIA pp 79-93 ,Vol 8, Number 2 (2012)

15.The effect of initial temperature and equivalence ratio on the flame speed propagation .University of Basrah(2012).

16-CFD SIMULATION AND FLOW ANALYSIS THROUGH A T_JUNCTION PIPE " International Journal of Engineering and Technology. vol 4 ,No 7.2012.INDIA.

17. “Three dimensional prediction for heat transfer enhancement with curved duct and nanofluids” *9th International Energy Conference to be held on 20 – 21 Feb, 2013, Tehran-Iran,*

18. Numerical prediction of pressure loss of fluid in a T-junction"

INTERNATIONAL JOURNAL OF ENERGY AND ENVIRONMENT

Volume 4, Issue 2, 2013 pp.253-264.

19-Numerical simulation of flow through wellbore for horizontal wells."16 International Conference on Computational Methods and Experimental Measurements (CMEM 2013) " 2-4 July 2013, A Coruna, Spain.

20-Numerical Investigation of m the turbulent flow parameters distribution in a partly performance Horizontal Wellbore "European Science Journal ,November 2013,edition vol9,No 33 ISSN1857.

- 21- Numerical simulation of flow through wellbore for horizontal wells" SPE Journal 17-Sep-2013.
- 22-Numerical study of the initial pressure effect on the ejector jet performance"Basrah University journal 2014.
- 23-Theoritical & experimental study the effect of inlet manifold on the spark ignition engine performance" First International conference Barsrah Engineering college. April 2014.
- 24- A comparison of the Density Perforations for the Horizontal Wellbore proceedings of the 2014 International Conference on Theoretical Mechanics and Applied Mechanics (TMAM '14) ITALY.
- 25-Flow charctristics through the gas turbine blades , Al-msutansuria university March 2014.
- 26-Three dimensional prediction of Heat transfer enhancement by using nanofluids through the curved pipe" Thekar Journal 29/12/20014
- 27- Numerical analysis of fluid flow properties in a partially perforated horizontal wellbore: American Journal of energy engineering.2014 vol 2 No 6.
- 28- Influence of radial flux inflow profile on pressure drop of perforated horizontal welbore. ASME Journal for energy resources Technology .vol 136 No4.Dcember 2014.
- 29- Cross Flow Heat Exchanger Analysis by CFD method."First International Conferance for Southern Technical University –March.2016
- 30-comparitve study for I C engines cooling system" 2nd International Conferance for Southern Technical University –March.2017.
- 31- Numerical study for the characteristics of heat transfer and flow in shell-and U-Tube heat exchanger with baffles" ICRIE2017 Conference Duhok University.APRIL 2017.
- 32- Three dimensional study of heat transfer and flow characteristics in shell-and U-tube heat exchanger with baffles and Nanofluid. INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING: ISTANBUL 2017:25-28 April 2017, Yildiz Technical University, Istanbul, Turkey.

33-Numerical study of mixed convection heat transfer enhancement inside the ringular cavity"3rd international confarence of renewable energy " 14-March 2018 BASRA –IRAQ.

34- Numerical investigation of the effect of gaseous and diesel fuel under dual and tri-mode on the combustion and exhaust emissions in a CI engine"3rd international confarence of renewable energy " Southern Technical University 14-March 2018 BASRA –IRAQ.

35- Numerical and experimental study of solar heat pump with PCM"III International Energy & Environment Summit - 2018.18-20 Kuala Lampour Malaysia.

Training Courses

2-Contract work with many companies in Basrah and Dhi Qar Water Treatment Office.

3-Installation R.O. water treatment units.

4-Resercher at first scientific conference for air prolusion, Mars 1997, iraq.

4-Attribute the development of the training of the Federation of Iraqi Women

5-Administration environmental pollution cycle in the health department of Dhi Qar

6-Study the environmental situation of the industrial area of Basrah

7-participant in the development of project management in Basrah

8- Advanced Teaching methods course, 1983, Baghdad

9-Three months about Repair and maintenance of fuel injection pumps , 1987 Iraqi National Oil Company-Brash.

10-Computer applications ,Autocad, Grapher,Lotus, Windows, Basrah technical Institute

11- Modren Techniques in Auto engines" Arab Federation for technical education, Baghdad 1997.

12-Lending to teach in Libyan Arab Jamahiriya for one school year (1998-1999)

13- Modren Techniques in Auto engines"Germany Tranining organization ,Egypt , 2009.

14-Privat sectors for the Oil refiernery manufacturing .Basrah 2011.

15. Iraqi investment improvement 2015.Arbil.Iraq.

SUMMARY:

Prof.Dr. SAADOON FAHAD ALBAHADILI was born in BARAH City - BASRAH - Iraq on 1 July 1955. Currently, I works as an professor in the Fuel &Energy Engineering Department at the Southern Technical University. Iraq. I received Ph.D. in Mechanical Engineering from University of BASRAH- Iraq . Meanwhile, I am reviewer of many local and international journals and conferences. I has about Forty years of teaching and reserch work experience .In addition, I am an editor of more than international journals. I has published more than thirty papers in many local and international journals and conferences and text book at design automotive parts.My research work concerns numerical modelling of various areas of heat transfer, CFD, aerodynamics, nanotechnology, clean energy and extended IC engines.