



د. گھیلان اسماعیل حسن احمد ھەریری

• لە 1958/1/6 لە شاری ھەولێر لەدایک بوو

• خۆپێندنی سەرھتایی و ناوھندی و ئامادەیی لە شاری ھەولێر تەواو کردوو.

• بروانامەى بکالۆریۆسى لە ئەندازیاری بەرھەم ھێنان و کانزاگان لە ساڵى 1979-1980 لە زانکۆى تەکنۆلۆجى لە بەغداد وەرگرتوو. بە مەرتەبەى سییەم دەرچوو.

• بروانامەى ماستەرى لە ئەندازیاری بەرھەمھێنان لە ساڵى 1982-1983 لە زانکۆى تەکنۆلۆجى لە بەغداد وەرگرتوو.

• بروانامەى دکتورا فەلسەفە لە ئەندازیاری بەرھەمھێنان لە ساڵى 2004-2005 لە زانکۆى سەلاحەدین/ کۆلیژی ئەندازیاری لە ھەولێر وەرگرتوو.

• لە ساڵى 1985 لە دەستەى فێرکردنى تەکنیکى لە بەغداد بە پلەى مامۆستای یاریدەدەر دامەزراد.

• لە ساڵى 1991 پلەى زانستى بەرزبۆتەووە بۆ مامۆستا.

• لە ساڵى 1994 پلەى زانستى بەرزبۆتەووە بۆ پروفیسۆرى یاریدەدەر.

• لە ساڵى 1989 تا 2003 سەرۆكى بەشى میکانیک بوو لە پەیمانگەى تەکنیکى ھەولێر

• لە ساڵى 1996 تا 2011 سەرۆكى لیژنەى کەرتى تەکنۆلۆجى بوو لە سەرۆکایەتى دەستەى خۆپێندنى تەکنیکى /ھەولێر. و لە 2013 تا 2015

• لە ساڵى 1992 تا 2014 سەرۆكى لیژنە و ئەندامى لیژنەى بەرزکردنەوى پلەى زانستى ناوھندی و تعزیدکردن بوو لە سەرۆکایەتى دەستەى خۆپێندنى تەکنیکى /ھەولێر.

• بەرپۆشەبەرى پەرەپێدانى پرۆگرامەکانى خۆپێندن بوو لە سەرۆکایەتى دەستەى خۆپێندنى تەکنیکى / ھەولێر لە 2008/5/10 تا 2011/2/5.

• ئەندامى دەستەى نووسەرانى گۆڤارى پۆلیتەکنیک بۆ زانستە پراکتیکەکان لە سەرۆکایەتى زانکۆى پۆلیتەکنیکى ھەولێر لە 2011 تا 2016

• ئەندامى دەستەى راویژکاری گۆڤارى پۆلیتەکنیک بۆ زانستە پراکتیکەکان لە سەرۆکایەتى زانکۆى پۆلیتەکنیکى ھەولێر لە 2016 تا ئیستا.

• راگری کۆلیژی تەکنیکى ئەندازیاری ھەولێر بوو لە 2011/2/5 تا 2015/11/8

• تا ئیستا زیاتر لە یازدە توێژینەوى زانستى ئەنجام داوو لە گۆڤارو کۆنفرانسی زانستى بلاوکرادەتەووە.

• پەرتوکی "Machine element" چاپکردووە لەسەر ئەرکی سەرۆکایەتى دەستەى خۆپێندنى تەکنیکى 2012

• فەرھەنگى "زاراوە گەلى زانستى لکاندن و دارشتنى کانزایى" چاپکردووە لە سەر ئەرکی ئەکادیمیای کوردی ساڵى 2011

• بەشداری لە وەرگیڕانى "رێبەرى پێشەگەرى ھەئسەنگاندنى تونستەکان" کردوووە کە لەسەر ئەرکی سەرۆکایەتى زانکۆى پۆلیتەکنیکى ھەولێر چاپکراوە 2015.

• بەشداری لە چەندین کۆنفرانسی زانستى لە ناوھەو دەروەى وڵات کردوووە.

• خیزاندارەو چوار منداڵى ھەیە

ERBIL POLYTECHNIC UNIVERSITY

Institute: Erbil Technical Engineering College

Scientific title: ASSISTANT PROFESSOR

Full name: Dr. GAILAN ISMAIL HASSAN



Degree: Doctor of philosophy in production engineering

Field: ENGINEERING

General specialization: MECHANICAL

Specific specialization: PRODUCTION ENGINEERING

University granting the degree: UNIVERSITY OF TECHNOLOGY BAGHDAD,  
UNIVERSITY OF SALAHADIN, ERBIL

Date of obtaining the degree: 1985, 2005

Languages: KURDISH, ARABIC, ENGLISH,

Date of birth: 06.01.1958

Capability in languages: VERY GOOD

Years of services in ministry of higher education: 35

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## **Publications and research: بحوث ومنشورات**

1. Ph. D thesis about:  
(*Surface finish improvement in metal hard turning and burnishing operation*), College of Engineering, University of Salahaddin, Erbil, 2005. In English language.
2. M. Sc thesis about:  
(*Application study of rivets instead of screws in metal joints*), University of Technology, Baghdad, 1983. In Arabic language.
3. First paper (research) In Arabic language:  
(*Study of Sand-Binders and Sand-Additives Effect on Mechanical Properties of Moulding Sand ' Arthumah Sand'*), Published in First Scientific Conference of Foundation of Technical Institute FTI, Baghdad, 21-22 September 1988. PP 45-62. Gailan Ismail Hassan, Shawnem Rashid Jalal.
4. second paper (research) In English language:P  
(*Improving quartz natural sand for foundry application "involving local Iraqi Sand*), Accepted in the 57<sup>th</sup> world foundry conference, Osaka, Japan, 23-27 September 1990.
5. Third paper (research) In Arabic language:  
(*Application Study in Improving Aluminum Alloy Used in Manufacturing Shuttle of Textile Machines*), Published in Zanco journal, the scientific journal of Salahaddin University, Erbil, Vol. 2, No. 4, 1991. pp 5-13. By Shawnim Rashid Jalal, Dr. Shirko Abdulkarim , Gailan Ismail Hassan.
6. Forth paper (research) In Arabic language:  
(*Study Effect of Pri-Stresses on Mechanical Wear Resistance of Low Carbon Steel*), Published in Third scientific conference of high council of scientific society with Tikret University, Salahaddin, Iraq, 21-23 December 1991. pp 1-12. By Gailan Ismail Hassan, Dr. Shirko Abdulkarim, Shawnim Rashid Jalal.
7. Fifth paper (research) In English language:  
(*The Effect of 0.35 mm Tool Flank Wear on Surface Roughness of Plain Carbon Steel*), Published in Zanco journal, the scientific journal of Salahaddin University, Erbil, Vol. 5, No. 2, 1992-1993, pp 66-72
8. Sixth paper (research) In Arabic language:  
(*The Effect of Abrasive Grain Size of Sand in Liquid on Abrasive Wear Rate of Metal Surfaces*), Published in Zanco journal, the scientific journal of Sulaimania University, Sulaimania, Vol. 2, No. 1, 1999.
9. 7<sup>th</sup> paper (research) In Arabic language.  
(*Effect of Axial Load and Sliding Velocity on Mechanical Wear Average for Medium Carbon Steel ST 4047*), Published in Zanco journal , the scientific journal of Salahaddin University, Erbil, Vol. 14, No. 1, 2002. Pp 5-11.
10. 8<sup>th</sup> paper (research) In English language:  
(*Response surface regression methodology in evaluating surface roughness in turning 1050 steel & hardened steel*), Published in Zanco journal, the scientific

journal of Salahaddin University, Erbil, Vol. 17, No. 1, 2005.pp 1-9. By Gailan Ismail Hassan, Dr. Shirko Abdulkarim.

11. Scientific book for student in Technical Institute " Machine elements technology Published by Foundation of Technical Education-Erbil (FTE) First Edition 2012 by sarkawt Rostam Hassan and Dr. Gailan Ismail Hassan, pp 1-199.
12. Scientific Dictionary about welding and foundry terms published by Kurdistan Academia at 2011 (Vocabulary of Metallurgy Scientific terms; welding and Metal Casting) in English, Arabic and Kurdish, pp 1-178.
13. 9<sup>th</sup> paper (research) In English language:  
(*Optimum Cutting Condition for Finish Hard Turning of AISI 1050 Steel*), Published in Zanco journal of Pure and Applied Sciences, the scientific journal of Salahaddin University, Erbil, Vol. 21, No. 4, 2009. Pp 1-4 Dr. Gailan Ismail Hassan, Dr. Sheko A.T. Baban
14. 10<sup>th</sup> paper (research) in English language:  
(Use of different Grade Brass Debris in Epoxy-Resin Composite for Improving Mechanical Properties) accepted in 4<sup>th</sup> International Engineering Conference on developments in Civil & Computer Engineering Application (IEC2018), Erbil, February 26-27, 2018, by Ishik University and Erbil Polytechnic University.
15. 11<sup>th</sup> paper (research) in English language:  
(Effect of Rotary Friction Welding Parameters on the Mechanical Behavior ABS/PE Polymers.) accepted in 1<sup>st</sup> International Conference on Engineering Challenges in Kurdistan Region (ICECKR2018) held by Nawroz University, Duhok city, May 5-6, 2018.

#### Other studies:

مهشق وراهینان

1. *Basic Management skills training course* from December 19<sup>th</sup>, 20<sup>th</sup>, and 21<sup>st</sup> 2004 by Kurdistan Institute of Public Administration.
2. *Strategic Planning Session training course* from February 5-9, 2005 by Research Triangle Institute RTI/ USAID.
3. *Training on Metallurgical and Engineering Apparatus during July 1990* by TQ International.
4. *Anti-corruption workshop from 23-24/5/2005* by ICSP-North Iraq, Erbil.
5. *IDP protection Awareness Training-Nov10-12, 2003-Amman, Jordan.*
6. *Training on TQ teaching equipment at TQ Education and Training Ltd, Nottingham, United Kingdom, February 2006*
7. *more than 30 workshop about Public administration, Auditing, Engineering project planning and management*
8. *Internet learning for official use course.*

9. *Quality Assurance Programme by National School of Government, UK, from Julie 2007 to August 2008*
10. *Expanding Quality Assurance Process to all Iraqi Colleges of engineering from 25 to 26 October in amman- Jordan by UNESCO pilot Quality Assurance Programme 2013-2014*
11. *The Role of Scientific Research and Publication in University Ranking from 8-9/3/2016 by Erbil Polytechnic University at Erbil Technical Institute. 1<sup>st</sup> EPU symposium*

Participation in national and international conferences: كؤنفرانس

1. First scientific conference of technical institute foundation FTI, Baghdad, 21-22 September 1988. (*Study of Sand-binders and sand-additives effect on mechanical properties of moulding sand ' Arthumah sand'*)
2. Third scientific conference of high council of scientific society with Tikret University, Salahaddin, Iraq, 21-23 December 1991, (*Study effect of pri-stresses on mechanical wear resistance of low carbon steel*),
3. First scientific conference of high council of Education, Erbil, 21-23 April 2001. (Head of curriculums preparation committees for Foundation of Technical Institute/Erbil ).
4. National conference of Foundation of Technical Institute/ Baghdad, March 23-24 2004. (Head of Technical sector committees at Foundation of Technical Education/Erbil ).
5. Scientific conference regarding the curriculum of technical education in Kurdistan region. (FTE), Erbil 24-25 August 2005.
6. First scientific conference for ministry of higher Education & scientific research/KRG, Erbil, 7-8 October 2006." Toward Contemporary Education system" (Head of Technical sector committees at Foundation of Technical Education/Erbil ).
7. Third conference regarding the curriculum of Technical Education in Kurdistan region. (FTE), Sulaimany 21-22 October 2009.
8. First scientific research conference of technical education, Duhok 1-2 December 2010 “ Applicable Scientific Research Contributes to the Development of Kurdistan” (Head of scientific committee of conference).
9. 4<sup>th</sup> International Engineering Conference on developments in Civil & Computer Engineering Application (IEC2018), Erbil, February 26-27,2018, by Ishik University and Erbil Polytechnic University, research presentation (Use of different Grade Brass Debris in Epoxy-Resin Composite for Improving Mechanical Properties).
- 10.1<sup>st</sup> International Conference on Engineering Challenges in Kurdistan Region (ICECKR2018)held by Nawroz University, Duhok city, May 5-6,2018.by

research presentation (Effect of Rotary Friction Welding Parameters on the Mechanical Behavior ABS/PE Polymers.)

Education: ناستی خویندن و بروانامه

KURDISTAN PREPARATION 1973-1967 CERTIFICATE

UNIVERSITY OF TECHNOLOGY, BAGHDAD, IRAQ, 1976-1980 B. Sc in  
PRODUCTION ENGINEERING

UNIVERSITY OF TECHNOLOGY, BAGHDAD, IRAQ, 1980-1983 M. Sc in  
PRODUCTION ENGINEERING

UNIVERSITY OF SALAHADDIN, ERBIL, IRAQ, 2002-2005 PH.D in  
PRODUCTION ENGINEERING.

Previous professional activities:

1. KHAN BANI-SAAD TECHNICAL INSTITUTE 1985-1986 LECTURER
2. MOUSL TECHNICAL INSTITUTE 1986-1988 RESPONSIBLE OF MECHANICAL WORKSHOPS.
3. ERBIL TECHNICAL INSTITUTE 1989- 2003 HEAD OF MECHANICAL DEPARTMENT.
4. Chef executive officer(CEO) in Kurdistan Institute for Public Administration from 1/12/ 2004 to 31/3/2005.
5. Project Manager in Kurdistan Institute for Public Administration from 1/4/ 2005 to 31/12/2008.
6. Director of Curriculum Development in Foundation of Technical Education from 10/5/2008 till 5/2/2011.
7. Dean of Erbil Technical Engineering College from 5/2/2011 till 8/11/2015

Membership of university committees: لیژنهکان

1. Erbil technical institute council from 1989 -2004
2. Final Examination in Erbil Technical Institute from 1989 -2004.
3. Scientific promotion in Erbil Technical Institute from 1989 -1996.
4. Head of committee of central Scientific promotion and supporting in Foundation of Technical Institute/Erbil from 1998-2004
5. Head of committee of technical sector in Foundation of Technical Institute/Erbil from 1996-20011, and from 2013-2015

6. Member of Editors of polytechnic journal of technical sciences at Foundation of Technical Education / Erbil (Erbil Polytechnic University). From 2011 -2016
7. Member of Consultant committee of polytechnic journal of technical sciences at Erbil Polytechnic University from 2016 till now.
8. Head of committee of adopted (استلال) and scientific seminar for engineering and technical sector in Erbil Polytechnic University from 2017 till now.
9. Member of committee of central scientific promotion and supporting in Erbil Polytechnic University from 2017 till now.

Memberships of societies and any other professional organizations:

1. Kurdistan Engineering union as consultancy degree from 1990 till now.
2. Engineering consultancy bureau.1990