

Prof. Dr. Eng. Mazin A. H. KADHIM
(Consultant in Engineering and Higher Education)

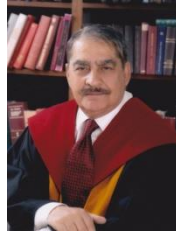
B.Sc (Hon) (UK), M.Sc (UK), Ph.D (UK)

MIET (UK) , Sen. MIEEE (USA)

Member of the Iraqi Academy of Science

Curriculum Vitae (Feb. 2014)

Full Name: Mazin Abdul Hameed Kadhim.



(مازن عبد الحميد كاظم)

1. **Date of Birth:** Baghdad, 20th Nov. 1942.

2. **Marital Status:** Widowed with three daughters.

3. **Addresses :**

Permanent Address:

Jordan , Amman, Swefiya
12 Saleh Zeki Ali Street
Tel: 00962 6 5856495
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Amman 11942 Jordan

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Work Address:

Professor of Electronics Engineering
Electronics and Communications
Engineering Department
Faculty of Engineering
Al-Ahlyya Amman University
Amman 19328
Amman, Jordan

4. University Education :

- (a) **B.Sc** (hon) in Electrical Engineering (Electronics and communications).
University of Aston, (UK). 1967
- (b) **M.Sc** in Electrical Engineering (Control of Electro thermal Processes).
University of Aston, (UK). 1969
- (c) **Ph.D** in Electronic Engineering.
University of Nottingham, (UK). 1971

5. Concise Professional Occupations:

- (a) **1968 – 1969** Part-time lecturer, University of Aston, (UK).
- (b) **1969 – 1970** SRC Research Assistant, University of Aston, (UK).
- (c) **1971 – 1973** Lecturer , College of Engineering Technology ,
University of Baghdad.
- (d) **1974 – 1975** Head of Electrical Engineering Department ,
College of
Engineering Technology, University of Baghdad.
- (e) **1975 – 1985** Dean of Electrical Engineering, University of
Technology, Baghdad.
- (f) **1985 – 1987** (on-leave) Assistant Director of R&D
Establishment, Baghdad.
- (g) **1987 – 1988** Dean of Electrical Engineering , University of
Technology ,
Baghdad.
- (h) **1988 – 2002** Dean of Engineering, Al-Nahrain University
(Previously Saddam University), Baghdad
- (i) **1992 – 1993** Professor of Electronic Engineering, University of
Jordan, Amman.
- (j) **1996 - date** Member of the Iraqi Academy of Science. عضو
المجمع العلمي العراقي
- (k) **1999 - 2004** Head of the Iraqi National Committee for Peaceful
Uses of Outer Space.
- (l) **2002 – 2004** Dean of Informatics Engineering, Al-Nahrain
University, Baghdad.
- (m) **2004 - 2006** Professor of Electronics, College of Engineering,
Baghdad University.

- (n) **2007- 2010** Member of the Board of Trustees. Al Rasheed University. Syria.
- (o) **2008- Date** Member of the International Steering Committee. Global Initiative Towards a Sustainable Iraq.
- (p) **2008- Date** Member of the Board of Trustees. Delmon University for Science and Technology. Kingdom of Bahrain.
- (q) **2012-Date** Educational Consultant to “CONSOLIDATED CONSULTANTS”, Amman.
- (r) **2014- Date** Member of WSWA (world space-week association)

6. A Selection of Important Scientific Memberships and Duties :

- (a) Member of the Iraqi Science Academy (ISA).
- (b) Head of Applied Science group at (ISA).
- (c) Head of Engineering Science subgroup at (ISA).
- (d) Member of Humanities group at (ISA).
- (e) Head of the committee of engineering terms (ISA).
- (f) Member and Head of the Iraqi committee of peaceful uses of outer-space.
- (g) Member of Iraqi Engineering Society.
- (h) Member of Iraqi Engineering Union (Grade: Consultant).
- (i) Member of Institute of Engineering and Technology (IET), UK.
- (j) Sen. Member of IEEE, USA.
- (k) Deputy–Head of the Iraqi Academic Society.
- (l) Head (or Member) of editorial boards for several learned scientific journals in Iraq. Presently: Member of the editorial board of IJST, UAE.
- (m) Member of the Selecting–Committee for top Iraqi Scientists.

7. Other Important Administrative Duties:

- (a) Head of Trustees Committee for the Consulting Engineering Bureau, Saddam University (Now Al-Nahrain University), Baghdad.
- (b) Member of the (Ministry of Housing and Construction) Trustees Board, Iraq.
- (c) Member of the Iraqi Committee for Engineering Education (Ministry of Higher Education and Scientific Research).
- (c) Member of the Executive Committee, Society of Engineering College Deans in Arab Universities.

- (e) Have participated in or led several important projects in higher education
(Formation of universities, colleges and departments). Also in Industry and communications sectors.
- (f) Acting University President for the University of Technology (Baghdad) several times between 1975-1988.
- (g) Acting university President for Saddam University (now Al Nahrain University) several times between 1988-2001.

10. Other Work outside home country:

- (a) **1978 – 1979** Visiting Research Professor , at the University of Montpellier, France and the University of Nottingham, UK.
- (b) **Summer 1985** Visiting Research Professor , (DAAD Scholarship), Darmstadt Hochschule. Germany.
- (c) **1992 – 1993** Professor of Electronic Engineering, Jordan University, Amman, Jordan.
- (d) **2003—2004** Professor of Electronic Engineering, Al Isra University, Amman, Jordan.

11. Publications: Please see Attachment

- (a) **Around 100 (research papers , studies and reports (English and Arabic)) within the fields of :**
 - Electronics and control.
 - Related engineering fields.
 - Engineering education.
 - Scientific principles, ethics and philosophy.
- (b) **Author of three books:**
 - Engineering Materials (Kadhim and Patel) [English].
 - Camouflage Principles for Engineers [Arabic].
 - Principles of microelectronics [translation from English into Arabic].

12. Some Engineering and Scientific Projects in Iraq as Principal Participant:

(See Attachment)

- (a) Establishment of the University of Technology (UOT).
- (b) Consultation work for the Electrical Engineering Buildings, (UOT).
- (c) Establishment of Al-Nahrain College of Engineering (project director).
- (d) AL-Nahrain University for Engineering and Science.
- (e) Al-Nahrain University.
- (f) Establishment of the College of Information Engineering, Al-Nahrain University (project director).
- (g) Many other engineering and educational projects as director of Al Nahrain University Engineering office.

13. On Official Delegation:

- (a) **Representation of ,** Iraqi Universities
Ministry of Higher Education and Scientific Research
Ministry of Foreign Affairs (Space Science)
And Self In the following Countries:
UK , USA , China , France , Sudan , Libya , Czechoslovakia ,
Denmark , Jordan , Holland , Austria , Syria , Egypt .

(b) Scientific Conferences in field of research :

Sudan, Libya, Jordan, Syria, Egypt, Yemen, Bahrain, UK, USA, Germany, France, Australia and Malaysia.

14. University working Loads:

Undergraduate loads included (but were not limited to): Electronics at all levels, Digital Electronics, Medical Electronics, Electrical and Electronic Measurements, Circuit Theory and analysis, Electrical – Electronics – Circuits and Measurements, Materials Science. Laboratories for all levels, Undergraduate Final –year Projects.

Postgraduate loads included (but were not limited to): Advanced Electronic Materials, Semiconductor Processing and Production, Advanced Selected Topics, M.Sc and Ph.D Student Projects.

Many Undergraduate and Postgraduate Scientific and Administrative Committees at all Departmental, College, University and Ministry of Higher Education Levels.

15. Other Research Interests:

Accreditation of Engineering Programs, History and Philosophy of Science and Technology, Ethics in the Engineering Profession, General trends in Higher Education, Globalization as related to Higher Education, the Engineering profession and Ethics, Sustainability Development.

16. References:

- (a) Professor Brian Tuck
Emeritus Professor. University of Nottingham
Nottingham. UK

- (b) Professor Isam Zabalawi
Former Minister of Higher Education
Amman. Jordan

ATTACHMENT (2014)

Selected Research, Scientific and Cultural Achievements of

Professor Mazin A. H. Kadhim

- A. Thesis
- B. Publications
- C. Outstanding Addresses
- D. Books and Translation
- E. Press Articles (in Arabic)
- F. Selected (Engineering – Education) Experiences

A. University Thesis:

- 1- A High Input Impedance Video Amplifier for a Vidicon Camera Tube.
B.Sc. Graduation Thesis. University of Aston.

Birmingham, U. K.

1967.

- 2- Efficiency Analysis of the Aston Plasma Torch.
M.Sc. (by Research and Thesis). University of Aston.

Birmingham, U. K.

1969.

- 3- Diffusion of Zinc in Gallium Arsenide.
Ph.D Thesis.

University of Nottingham.

Nottingham, U. K.

1971.

B. Publications:

- 1- Kadhim, M. A. H.
The Plasma Torch.
Journal of the Iraqi Scientific Institute (U. K.).
Vol. 2, No. 2, pp. 39–44.
(May 1968).

- 2- Roots, W. K. and Kadhim, M. A. H.
A Solid / Liquid State Holding Transducer for Metallic Changes.
Transactions of the Institute of Measurement and Control.
Vol. 2, No. 7, pp. 279–281.
(July 1969).

- 3- Roots, W. K. and Kadhim, M. A. H.
Efficiency of a 50–Hz 100 kW Plasma Torch.
Proceedings of the IEE.
Vol. 57, No. 9, pp. 1673–1674.
(Sept. 1969).

- 4- Roots, W. K. and Kadhim, M. A. H.
Measuring the Electrothermal Efficiency of a 50 Hz Plasma Torch.
IEEE Transactions on Instrumentation and Measurement.
Vol. IM–18, No. 3, pp. 150–156.
(Sept. 1969).

- 5- Roots, W. K. and Kadhim, M. A. H.
Properties of a 50–Hz Plasma Torch.
Electro Warm International.
Vol. 27, No. 9, pp. 364–369.
(Sept. 1969).

- 6- Roots, W. K. and Kadhim, M. A. H.
Characteristics of a Mains Frequency Plasma Torch.
Journal of the Institute of Fuel.
pp. 92–96.
(March 1970).

- 7- Tuck, B and Kadhim, M. A. H.
Anomalous Diffusion Profiles of Zinc in GaAs.
Journal of Material Science.
Vol. 7, pp. 581–591.
(1972).
- 8- Kadhim, M. A. H. and Tuck, B.
Isconcentration Diffusion of Zinc in GaAs at 1000°C.
Journal of Material Science.
Vol. 7, pp.
(1972).
- 9- Kadhim, M. A. H. and Abdul–Wahab, M. S.
Proposed Diffusion work at the Iraqi Atomic Energy Commission.
Nuclear Research Institute.
Paper PH–18.
(April 1973).
- 10- Kadhim, M. A. H. and Roots, W. K.
A Solid–Liquid State Sensor.
Al–Muhandis (Journal of the Iraqi Society of Engineers).
Serial 56, Vol. 20, No. 3, pp. 3 – 9.
(November 1975).
- 11- Kadhim, M. A. H. and Tawfiq, H.
Special Electro–Mechanical Strain Gauges.
Al–Muhandis (Journal of the Iraqi Society of Engineers).
Serial 61, Vol. 21, No. 4, pp. 41– 48.
(1976).
- 12- Kadhim, M. A. H., et al
Measuring the Instability of Arc Discharges.
Al–Muhandis (Journal of the Iraqi Society of Engineers).
Serial 68, Vol. 23, No. 3, pp. 8–16.
(August 1978).

- 13- Kadhim, M. A. H. and Tuck, B.
On Solid Stat Diffusion from a Limited Source.
Phys. State Sol.
Vol. 58, pp. 303–310.
(1980).

- 14- Kadhim, M. A. H., et al
A Microprocessor–Based System for Measuring the Instability of a.c. Discharges.
Microprocessors and Microsystems.
Vol. 5, No. 6, pp. 227–231.
(July, Aug. 1981).

- 15- Kadhim, M. A. H.
Up–Hill Diffusion in Certain Semiconductor Systems.
The University of Technology Scientific Journal.
Vol. 5, No. 1
(1982).

- 16- Kadhim, M. A. H. and El–Shirbeeney, E. T.
Dynamics of Electrical Engineering Education in Developing Countries: A Case Study From Iraq.
World Conference on Education in Applied Engineering and Engineering Technology.
COLOGNE. Germany.
(16 – 19 April 1984).

- 17- Kadhim, M. A. H.
Computer–Solutions to Concentration–Dependent Diffusion.
Paper Submitted to the Institute fur Hochfrequenztechnik.
Technische Hochschule.
Darmstadt. Germany.
(Unpublished, 1984).

- 18- Kadhim, M. A. H., et al
A New approach for the measurement of a.c. arc Parameters using Microprocessors.
Journal of Microcomputer Applications.
Vol. 9, No. 2, pp. 95–103.
(April 1986).

- 19- Al-Ukaidi, K. A. S., Kadhim, M. A. H. and Muhammad-Ali, M. T.
A Novel Correlation-Based (S.A.M.) Proximity Fuse Design.
(Classified Research Paper).
(December 1986).
- 20- Kadhim, M. A. H., et al
An Electronic Design to Counter Anti-Measures on Proximity Fuses of a (S.A.M.).
(Classified Research Paper in Arabic).
(December 1986).
- 21- Kadhim, M. A. H., et al
A Study on Jamming Techniques on Proximity Fuses.
(Classified Research Paper in Arabic).
(April 1987).
- 22- Kadhim, M. A. H. and Al-Khateeb, K. A. H.
Productivity in Higher Education. (Arabic)
Conference on Higher Education Productivity Organized by the Ministry of Higher Education and
Scientific Research, Iraq and The University of Technology, Iraq.
December 1987.
- 23- Kadhim, M. A. H. and Fathalla, N. H.
New Computer-Aided Solutions to Concentration-Dependent Diffusions in Semiconductors.
Journal of the University of Technology.
(Details to be added).
(1987).
- 24- Kadhim, M. A. H.
Restructuring an Existing Engineering University.
(A case study from Iraq).
Proceedings of the World Conference on Engineering Education for Advancing Technology.
Sydney, Australia.
(13 – 17 February 1989).

- 25- Kadhim, M. A. H. and Abdul-Kadir, A.
Teaching Mathematics to Engineering Students. (Arabic)
Mathematics for non-Mathematisation Forum.

Baghdad University, College of Science.

(27 – 28 December 1989).
- 26- Kadhim, M. A. H.
Accreditation of Engineering Programs, The Iraqi Experience.
Ministry of Higher Education and Scientific Research Forum on University Curriculum.
Baghdad (24–25) January 1990.
- 27- Kadhim, M. A. H. and Namiq, L. I.
Performance of Female Engineering Students and Woman Engineers in Iraq.
Presented to the Annual Conference of the American Society for Engineering Education.
Toledo, Ohio, USA.
(21–25 June 1992).
- * No record is currently available.
- 28- Namiq, L. I. and Kadhim, M. A. H.
Futuristic Aspects of Engineering Education in Iraq.
Presented to the Annual Conference of the American Society for Engineering Education.
Toledo, Ohio, USA.
(21– 25 June 1992).
- * No record currently available .
- 29- Kadhim, M. A. H.
Main Problems Facing Arab Electronic Firms in The Nineties.
Expert Group Meeting on Creation of Indigenous Entrepreneurship and Opportunities for Small–and
Medium–Scale Industrial Investment.
UN ESCWA, ASST (SYRIA), FES (GERMANY), DRC (CANADA).
Damascus.
(11–14 April 1993).

- 30- Kadhim, M. A. H.
The Administrative Leader in University Education. (Arabic)
Study Circle on Administrative Leaderships and their Role in Developing Scientific and Technical Policy in Arab Countries.
Union of Arab Councils for Scientific Research and Aden University.
Aden, Yemen.
(27–30 September 1995).
- 31- Kadhim, M. A. H.
Planning, Leadership and Implementing Research Projects. (Arabic) Study Circle on Administrative Leaderships and their Role in Developing Scientific and Technical Policy in Arab Countries.
Union of Arab Councils for Scientific Research and Aden University.
Aden, Yemen.
(27–30 September 1995).
- 32- Kadhim, M. A. H.
Two Myths in Engineering Education. (Arabic)
Journal of The Union of Arab Universities.
Vol. 4, No.1, pp. 115–140.
(1997).
- 33- Kadhim, M. A. H.
Accreditation of Higher Education Institutions to Achieve Comparison Between Colleges of Different Disciplines. (Arabic)
Paper Submitted to the University of Saddam (Now Al-Nahrain University) and Adopted by Presidency Office, Iraq.
(16 Pages).
(2 May 1998).
- 34- Kadhim, M. A. H.
Wisdom, Knowledge and the Information Age. (Arabic)
Conference on Modern Information Management and its Role in Scientific Research in Arab Universities.
Union of Arab Councils for Scientific Research and Aden University.
Aden, Yemen.
(18–21 November 1998).

- 35- Kadhim, M. A. H.
Engineering and Technology–Competition or Integration. (Arabic)
Saddam University (Now Al–Nahrain University) Journal.
(Engineering).
Vol. 2, No. 2, pp. 1–7.
(October 1998).
- 36- Kadhim, M.A.H.
Engineering Education–Catering for New Needs. (Arabic)
Journal of the Academy of Sciences, Baghdad.
Vol. 45, No.4, pp. 23–36.
(December 1998).
- 37- Kadhim, M.A.H.
(Editor)
Proceeding of the Discussion Group on
“Evaluation of Arabization of Pure and Applied Science Studies”.
Academy of Science, Iraq.
Department of Pure Sciences.
(26 October 1999).
- 38- Kadhim, M. A. H.
The Balance between Knowledge and Wisdom. (Arabic)
Parasychology Conference of the Arab Union of Scientific Research Councils, Baghdad.
(October 1999).
- 39- Kadhim, M. A. H.
Using Wisdom with Knowledge to Achieve Scientific and Research Goals. (Arabic)
Journal of The Union of Arab Universities.
(Engineering).
Vol. 6, No. 2, pp. 71–83.
(1999).

- 40- Kadhim, M. A. H.
Cooperation and Integration between Industry and Higher Education. (Arabic).
Saddam University (Now Al-Nahrain University) Journal.
(Engineering).
Vol. 3, No. 2, pp. 5–17.
(December 1999).
- 41- Kadhim, M.A.H.
Accreditation. (Arabic)
Conference on “Horizons of Technical Education in the Next Century”.
University of Technology, Iraq.
(30 March 2000)
- 42- Kadhim, M.A.H.
Science and Technology in the Speeches of Saddam Hussein in the Seventies. (Arabic)
The First Scientific Conference of Saddam University (Now Al- Nahrain University).
Baghdad, Iraq.
(29–30 April 2000).
- 43- Kadhim, M. A. H.
Accreditation of Engineering Programs in Colleges of Engineering at Arab Universities. (Arabic)
Arab Deans of Engineering Society Annual Conference.
University of Aleppo, Syria.
(May 2000).
- 44- Kadhim, M. A. H. and Al-Faiz, M. Z.
Space Communication–Present and Future. (Arabic)
Proceeding of the 2nd Conference of the Scientific Academy, Under the theme: “Iraq and the
Challenges of the 21st Century”.
Baghdad.
Part 2, pp. 233–246.
(13–16 November 2000).
- 45- Kadhim, M. A. H.
The Scientific Approach to Science. (Arabic)
Saddam University (Now Al-Nahrain University) Journal.
(Engineering).
Vol. 4, No. 1, pp. 5–14. (December 2000).

- 46- Kadhim, M. A. H.
Science in the Holy Quran. (Arabic)
Scientific Gathering Under the theme
Forum on “The Quran–A Treasure of Science”
Union of Arab Scientific Research councils Academy Society, Baghdad
(28 February 2001).
- 47- Kadhim, M. A. H.
Futuristic Issues in Laser and Optical Electronics Applications. (Arabic)
Conference on “The Future Aspects in the Use of Laser and Optical Electronics”.
Union of Arab Scientific Research councils and the College of Engineering at Saddam University
(Now Al–Nahrain University).
Baghdad, Iraq.
(19–20 March 2001).
- 48- Kadhim, M. A. H.
(Editor)
University Professors and Their Work With Industry. (Arabic)
The Academy of Science, Iraq.
Discussion Group.
Publication of the Academy of Science Department of Applied Sciences. (24 April 2001).
- 49- Kadhim, M. A. H.
Fiber Optics Technology–What’s New?
“Awraq Majmaiya “.
Published by the Academy of Science, Baghdad.
Vol. 4, No. 4, pp. 43 – 44.
(April 2001).
- 50- Kadhim, M. A. H.
(Editor)
Forum on “The need for Specialized University Colleges”. (Arabic)
The Academy of Science, Iraq.
Discussion Group.
Publication of the Academy of Science Department of Applied Sciences. (22 May 2001).

- 51- Kadhim, M. A. H.
(Editor)
Forum on “Globalization and the Language of Heaven”. (Arabic)
Union of Arab Scientific Research Councils and The Academic Society, Baghdad.
(15 June 2001).
- 52- Kadhim, M. A. H.
Accreditation of University Performance—An Outlook. (Arabic)
Journal of the Scientific Academy, Iraq.
Vol. 48, No. 4, pp. 25–64.
(2001).
- 53- Kadhim, M. A. H.
Laser Applications in Medicine. (Arabic)
The First Arab Conference on Laser Applications in Medicine.
Tripoli—Libya.
(14 – 16 October 2001).
- 54- Kadhim, M. A. H. and Yousef, A.
Biotechnology: Some Educational Activities in a Developing County (A case Study From Iraq).
Eleventh IAS Conference on “Biotechnology and Genetic Engineering for Developing in the Islamic
Word “.
Islamic Academy of Sciences.
Rabat, Morocco. (22–26 October 2001).
- 55- Kadhim, M. A. H.
Historical Aspects on the Information Security. (Arabic)
Scientific Forum on “Computer Security and Information Within The Framework of Developing
Communication Technology”.
Union of Arab councils for Scientific Research and the College of Engineering at Saddam
University (Now Al–Nahrain University).
Baghdad, Iraq.
(30 October 2001).
- 56- Kadhim, M. A. H.
Early Scientific Research as a Means to Uplift Society. (Arabic)
Journal of Beit Al–Hikma Al–Iraqi
(Social Studies).
Vol. 3, No. 12, pp. 35–41. (Winter 2001).

- 57- Kadhim, M. A. H., et al
 Visualized 3–D Thermal Analysis for Hybrid Circuits Using Analytical Techniques.
 Saddam University (Now Al–Nahrain University) Journal.
 (Engineering).
 Vol. 5, No. 1, pp. 56–72.
 (November 2001).
- 58- Kadhim, M. A. H.
 The Academy–Background and Meanings. (Arabic)
 Proceedings of The Forum on “Academy and Academicians–Present and Future”.
 pp. 1–10.
 (23 December 2001).
 (24
- 59- Kadhim, M. A. H.
 The Role of Universities in Technology Transfer.
 (Details to be added).
 (2001).
- 60- Kadhim, M. A. H.
 Role of Universities in Achieving Research Capabilities in Students.
 (Arabic).
 Proceedings The Second Arab Conference on “Role of Universities and Research Institutions in R & D Activities”.
 Union of Arab Scientific Research Councils and Egyptian Academy of Scientific Research and Technology.
 pp. 116–128.
 Cairo, Egypt.
 (11–13 February 2002).
- 61- Kadhim, M. A. H.
 (Editor)
 Forum on “Scientific Research and Arab Development”. (Arabic)
 One–Day Conference Organized by the Department of Humanitarian Sciences of The Academy of Science, Iraq.
 (29 May 2002).

- 62- Kadhim, M. A. H.
Engineering Frontiers in the 21st Century. (Arabic)
Saddam University (Now Al-Nahrain University) Journal.
(Engineering).
Vol. 6, No. 1, pp. 3–12.
(July 2002).
- 63- Kadhim, M. A. H., et al
A Unified DC MOSFET Model for VLSI Circuits Simulation.
Saddam University (Now Al-Nahrain University) Journal.
(Engineering).
Vol. 6, No. 1, pp. 112–127.
(July 2002).
- 64- Kadhim, M. A. H.
Higher Education Programs– Principles and Observations. (Arabic)
Annual Meeting and Conference of The Arab Deans of Engineering Colleges.
University of Aden, Aden, Yemen.
(14 December 2002).
- 65- Kadhim, M. A. H.
Science, Technology and Globalization.
Journal of Beit Al-Hikma Al-Iraq.
(Details Unavailable Presently).
(2002).
- 66- Kadhim, M. A. H., et al
Accreditation and Quality Assurance in Engineering Education. (Arabic)
Proceeding of the Engineering Conference of the Engineering Regional Committee.
Ministry of Higher Education and Scientific Research, Baghdad.
pp. 38–80
(6 – 7 March 2003).

- 67- Al-Rawi, N. M. K. and Kadhim, M. A. H.
Developing Human Resources as a Means for Technology Transfer Under Sanction Conditions.
(Arabic)
Conference on.
Union of Arab Scientific Research Councils.
Baghdad, Iraq.
(----) .
- 68- Kadhim, M. A. H.
On Science, Technology and Globalization. An Islamic Overview.
ICCCE, 06 Conference. Kuala Lumpur, May 2006. Keynote Speaker.
- 69- Kadhim, M. A. H.
University Engineering Programmes and Ways of Matching them for Arab Universities. (Arabic).
Proceedings of the Conference on Engineering Education in the Arab World. Arab Engineering
Union. Damascus, March 2007.
- 70- Kadhim, M. A. H.
Globalization and the Future Strategies for Higher Education. (Arabic).
Proceedings of the Forum on Arab University Education Strategies and the Challenges of the 21st
Century.
University of Delmon. Bahrain, October 2007.
- 71- Kadhim, M. A. H. and Khidhir, M. Z.
A proposed Establishment of an **Iraqi Sustainability University**
A study made for the “**Global Initiative Towards a Sustainable Iraq**”. March 2011

C. A Selected Number of Outstanding Scientific and

Philosophical Lectures

- 1- Wisdom and Insight in R & D. (Cultural Society) (1999)
- 2- The Decider in The Islamic Meanings of “Science”. (1999–2001)
(A Series of Four Lectures). (Cultural Society)
- 3- A Scientific Approach to Science. (2000)
(Iraq Society of Academicians).
- 4- Accreditation. (2000)
(Academy of Sciences and University of Technology).
- 5- Leonardo Davinci As Engineer. (Cultural Society) (2000)
- 6- A Journey into Scientific Principles. (Cultural Society) (2001)
- 7- One Millennium into Another. (Cultural Society) (2001)
- 8- On Science and Philosophy. (Cultural Society) (2001)
- 9- The Future of the Internet. (Academy of Sciences) (2001)
- 10- Historical Aspects of the Information Security. (2001)
Al-Nahrain University.
- 11- The “Academy and Academicians”. (2001)
Al-Nahrain University.
- 12- On Medicine and Engineering. (Baghdad University) (2001)
- 13- Space Technology Spinoffs for the Developing World. (2001)
(Academy of Sciences)

- 14- Leonardo Davinci As Thinker. (Cultural Society) (2002)
- 15- Science, Technology and Globalization. (Beit Al-Hikma) (2002)
- 16- American Attitude toward Humanitarian Issues. (2002)
(Al-Ruwad Society)
- 17- Man and Information. (Cultural Society) (2002)
- 18- Laser Applications. (Cultural Society) (2003)
- 19- Nanotechnology. (Academy of Sciences) (2003)
- 20- Humanity and Informatics. (2004)
(Academy of Sciences, Cultural Society and
University of Isra, Jordan)

D. Books and Selected Translations:

- 1- Engineering Materials, Parts: 1 and 2. (English)
By Mazin A. H. Kadhim and Kirit Patel.

A second and third year textbook for all Electrical Engineering Students at Iraqi Universities.

University of Technology Publications (National Iraqi Press no. 1246 / 1980).

- 2- Principles of Camouflage. (Arabic)
By Mazin A. H. Kadhim and Hazim A. Shahin.

A textbook for Engineering Students.

University of Mosul (Iraq) Publications.

(1984).

- 3- An Introduction to Microelectronics. (Translation into Arabic)
By D. Rudy.

Translated by M. A. H. Kadhim.

A textbook for Engineering Students.

University of Technology Publications (National Iraqi Press no. 1109 / 1987).

- 4- "Thoughts". (Arabic)
The Poetry Works of Mazin A. H. Kadhim.

(Under Publication).

- 5- Research, How to Begin and How to End.
A text Book written to Higher Degree Students.

(Under Publication).

6- Selected Translations Titles:

Below is a Selected number of Translated Articles (from English to Arabic) for the Advancement of Research and for Teaching to Iraqi Research Students at the University of Al-Nahrain.

(No Commercial or financial obligations were involved).

- a.** Software Development at Microsoft. (تطور البرمجيات في شركة مايكروسوفت)
By Marvin M. Theimer.

Microsoft Research.

Redmond, Washington.

(A National Academy of Engineering Paper 2001).

- b.** System Engineering Challenges of the International Space Station.
(تحديات هندسة الأنظمة في محطة الفضاء الدولية)

By Mark D. Jenks.

Boeing Space and Communications Group.

Huntsville, Alabama.

(A National Academy of Engineering Paper 2001).

- c.** Genomics and Ethics.
(الجينومية والقيم)

By Pilar N. Ossorio.

University of Wisconsin Law School.

Madison, Wisconsin.

(A National Academy of Engineering Paper 2001).

- d.** Digital Geometry Processing.
(معالجة الهندسة المجسمة الرقمية)

By Peter Shroder.

Department of Computer Science.

California Institute of Technology.

Pasadena, California.

and

Wim Sweldens.

Lucent Technologies.

Murray Hill, New Jersey.

(A National Academy of Engineering Paper 2001).

- e.** Nanoscale Materials: synthesis, Analysis and Applications.
(المواد بقياس النانو : التركيب ، التحليل والتطبيقات)

By Rudolf M. Tromp.

IBM T. J. Watson Research Center.

Yorktown Heights, New York.

(A National Academy of Engineering Paper 2001).

- f.** Battle field Management.
(إدارة ساحة المعركة)

By Mark W. Maier.

The Aerospace Corporation.

Chantilly, Virginia.

(A National Academy of Engineering Paper 2001).

- g.** Data Mining and Visualization.

(التتقيب عن المعلومات وعرضها)

By Ronny Kohavi.

Blue Martini Software.

San Mateo, California.

(A National Academy of Engineering Paper 2001).

h. Physically-Based Animation.
(أسس تمثيل الحركة)

By David Baraff.

Pixar Animation Studies.

Richmond, California.

(A National Academy of Engineering Paper 2001).

E. Press Articles (in Arabic)

نشر إعلامى أو صحفى

1- كتاب المجمع والمجمعيون.
من كتب المجمع العلمي العراقي (1997)
(مشاركة)

2- أفول اسطورة ستانلي ماثيوس (رياضة)
جريدة البعث الرياضي (العراقية)
(29 شباط 2000)

3- تصغير الدوائر الإلكترونية المتكاملة الى أين ؟ .
جريدة الجمهورية العراقية
(4 تموز 2000)

4- التقنيات الأثرية وتكنولوجيا المعلومات (1) و (2) .
جريدة الجمهورية
(29 آب 2000)

5- معدن الهيدروجين .
جريدة العراق العراقية
(14 تشرين الأول 2000)

6- أهم المنجزات الهندسية في القرن العشرين .
جريدة العراق (العراقية)
(16 كانون الأول 2000)

7- شخصية علمية متميزة .
جريدة أخبار الجامعة (جامعة النهريين / بغداد)
(نيسان 2001)

8- سلسلة كتب هؤلاء في مرايا هؤلاء .
للكاتب مؤيد عبد القادر

- الجزء الرابع / بغداد / 2000
- الجزء الخامس / بغداد / 2000
- الجزء السابع / بغداد / 2003
- الجزء الثامن / دمشق / 2010

9- بين الطب والهندسة علاقة جدلية.
جريدة الثورة
(2002 / 8 / 27)

10- مؤامرة ذبح بغداد (شعر)
جريدة الرأي (الإردنية)
(10 أيار 2003)

11- يامن قوله الحكم (شعر) .
جريدة التآخي (العراقية)
(21 تموز 2003)

12- أهم المنجزات الهندسية في القرن العشرين .
جريدة الثورة العراقية
(التوثيق غير متوفر)

13- الهواتف النقالة – هل من مشكلة (1) و (2) .

جريدة الثورة العراقية

(التوثيق غير متوفر)

14- تأملات في الطب والهندسة

مجلة الثورة العراقية

(التوثيق غير متوفر)

F. Selected (Engineering - Education) Experiences

- (1973 – 1975)** Developing Electrical and Electronic Engineering Laboratories from Technical–College Standard into University–level standard .
(College of Engineering Technology – Baghdad University) .
- (1973 – 1978)** Member of the founding Committee of the Engineering Military College , Baghdad .
- (1974 – 1975)** Member of the Higher Committee responsible for forming the University of Technology (UOT) in Iraq .
- (1976 – 1982)** at (UOT)
- (a)** Developing a School (Faculty) of Electrical and Electronic Engineering from a department of Technical Electricity .
- (b)** Formation (within the above School) of departments of :
- Electronic Engineering .
 - Communications Engineering .
 - Electrical Power Engineering .
 - Electrical Machines Engineering .
 - Solid–State Electronics .
- (c)** Formation of the Center for Electronic Research and Development .
- (1987 – 1988)** Head of the Committee responsible for forming an elite college of Engineering , Baghdad .
- (1988 – 1993)** Member of the Committee responsible for forming the University of Saddam for Engineering and Science (USES), Now Al-Nahrain University.
- (1988 – 2003)** at (USES)
- (a)** (1988) Forming the departments of Civil , Electronic and Mechanical Engineering .
- (b)** (1989) Forming the department of Chemical Engineering .

(c) (1996) Forming the departments of Computer Engineering and Laser Engineering .

(d) (1997) Forming the department of Medical Engineering .

(e) (2001) Forming the department of Architectural Engineering .

(2002) Sole founder of the College of Information Technology at the University of Saddam (Now Al-Nahrain University) .

(2004-2009) Principal Consultant for Al-Rasheed Private University for Science and Technology. Syria.

(2011-2011) Curriculum Planner for Electrical Engineering. Aqaba University of Technology. Aqaba, Jordan.

(2013-Date) Academic-Curriculum Planner.

Consolidated Consultants for Engineering & Environment
Amman, Jordan