

## *Curriculum Vitae*

**Assistant Professor Dr. Kadhum Aboud Issa Al-Majidi**

**Ashur University College**

**dr.kadhum@au.edu.iq**

**[Kadhum2@gmail.com](mailto:Kadhum2@gmail.com)**

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### **INTRODUCTORY SUMMARY:**

**Assistant Professor Dr. Kazem Abboud Issa Al-Majidi**

**1- Dean of the University College of Ashur,**

**2- (Assistant President of the University for Scientific Affairs,**

**3- Associate Dean of the College of Engineering for Scientific Affairs,**

**5- teaching in the College of Engineering since 2009) Al-Mustansiriya University previously**

**6- scientific experience in the fields of energy Electromagnetism**

**7-many other scientific fields, as shown below**

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### **ACADEMIC CERTIFICATES:**

1-Post-doctoral degree / South China University of Technology 2006-2008 from the Faculty of Electronic Engineering and Information Technology, entitled:

**"Research on the Numerical Methods for Solving Electromagnetic Scattering"**

2- PhD degree / South China University of Technology 2002-2006 from the Faculty of Electronic Engineering and Information Technology, entitled:

**"Research on Electromagnetic Scattering and Radiation Characteristics of Arbitrary Wire Structures"**

3-Master's degree / Al-Nahrain University 1998-2001 entitled:

**"Phase Transformation of TiNi Shape Memory Alloy Thin Fil"**

### **❖ Academic Awards and Honors:**

1. Thanks and Appreciation (7) Mr. Minister of Education and Higher Education.
2. Acknowledgments (3) from the Undersecretary of the Ministry of Higher Education and Educational Innovations.
3. Thanks and appreciation (43) from the President of Al-Mustansiriya University.
4. Thanks and appreciation number (1) from the President of the University of Technology.
5. Thanks and appreciation number (1) from the President of the Iraqi University.
6. Thanks and appreciation number (1) from the President of the University of Baghdad.
7. Acknowledgments (3) Mr. Minister of Youth and Sports.
8. Acknowledgments and appreciation number (1) of the Baghdad Provincial Council.
9. Thanks and Appreciation (1) Governor of Baghdad.

10. Thanks and appreciation number (1) from the President of the Defense University for Military Studies.
11. Thanks and appreciation number (42) Mr. Dean of the College of Engineering / Al-Mustansiriya University
12. Thanks and appreciation number (2) from the Dean of Al-Isra Private College.
13. The First Prize of the Minister of Sports and Youth in the Seventh Sovereignty Festival 2013.
14. The award for the best doctoral student at the South China University of Technology was obtained from a post-doctoral scholarship in 2006.
15. The Best Foreign Student Award of South China University of Technology for the year 2005 and 2006.
16. Acknowledgments and appreciation number (1) of the House of Representatives / Committee on Foreign Relations.
17. Thanks and appreciation from the Assistant President of the Iraqi University for Scientific Affairs.
18. Appreciating the efforts of the head of the Academic Supervision and Evaluation Authority/University Supervision Department.
19. Appreciating the efforts of the head of the Scientific Supervision and Evaluation Authority / Quality Assurance Department.
20. Appreciating the efforts of the head of the Scientific Supervision and Evaluation Authority / Minister's Office.
21. Thanks and appreciation from the Prime Ministry / Martyrs Foundation.

**❖ Academic and Teaching Experience:**

1. Assistant to the President of Al-Mustansiriya University for Scientific Affairs for the period from 1/2/2018 to 13/11/2019.
2. Associate Dean of the College of Engineering for Scientific Affairs and Graduate Studies / Al-Mustansiriya University for the period from 2014 to 2018.
3. Head of the Computer and Software Engineering Department/College of Engineering/Al-Mustansiriya University for the period 2011-2014
4. A faculty member in the Department of Electrical Engineering / Al-Mustansiriya University / College of Engineering for the period 2009-2011.
5. A member of the supreme body supervising the evening study / Al-Mustansiriya University for the year 2017/2018.
6. Teaching at South China University of Technology - Department of Electronics and Communications Engineering / China 2006-2008
7. Teaching at Hunan University / China / 2001-2002

8. Lecturer at Al-Nahrain University 1999-2001
9. Work as a researcher in the Optical Fiber Laboratory / Hunan University / China
10. Work as a researcher in the Advanced Communication Laboratory / South China University of Technology
11. Work as a researcher in the Advanced Fiber Optic Laboratory / South China University of Technology
12. Scientific evaluator of many published researches in the field of electrical and computer engineering.
13. Associate Dean for Administrative Affairs at Ashur University College.
14. Conducting the work of the Dean of the University College of Ashur until the issue of assigning a dean to be authentic is resolved.
15. A scientific assessor for the purpose of promotion from the Al-Khwarizmi College of Engineering.

**❖ Committees/ College of Engineering/ Al-Mustansiriya University:**

- 1- Chairman of the Supervising Committee for Academic Graduation Ceremonies 2014/2015 Distribution of Administrative Order No. 2992 on 1/4/2015
- 2- Head of a committee that prepares a detailed study to seek to obtain Administrative Order No. 5215 on 06/14/2015
- 3- Head of the committee to submit a detailed report on the special jamming group.
- 4- Head of the Follow-up Committee for the performance of the Arabic language exam for students applying for postgraduate studies for the year 2015/2016 Distribution of Administrative Order No. 6523 on 7/29/2015
- 5- Member of the committee and scientific supervisor in the relevant road engineering department.
- 6- A member of the follow-up to the work of summer training for academic students 2014/2015. Distribution of administrative order No. 6889 on 17/8/2015
- 7- Head of a committee responsible for following up on behaviors that are not in accordance with the academic ethics of the college in accordance with Administrative Order No. 10352 of 12/30/2015
- 8- Member of the Standing Committee of the Computer and Software Engineering Department for the academic year 2015/2016 according to Administrative Order No. 9005 on 10/11/2015
- 9- A member of the restructuring of the central examination committee for the 2015/2016 academic year according to Administrative Order No. 7340 on 9/6/2015
- 10- A member of the formation of the central examination committee for the academic year 2014/2015 under Administrative Order No. 4047 on 4/5/2015

- 11- Member of the Scientific Committee of the Computer and Software Engineering Department for the academic year 2015/2016 according to Administrative Order No. 7338 on 9/6/2015
- 12- Head of a committee responsible for distributing the devices in the Water and Energy Laboratory according to Administrative Order No. 9168 dated 11/15/2015
- 13- A member of the committee setting goals and drawing up the strategy for the college according to Administrative Order No. 7822 dated 9/23/2015
- 14- A member of the committee preparing the self-assessment during the academic year 2015/2016 according to Administrative Order No. 7211 on 08/30/2015
- 15- Chairman of the Committee for the Unification of Common Nomenclatures between Academic Departments ... according to Administrative Order No. 1676 dated 28/2/2016
- 16- A member of the restructuring of the central examination committee for the 2015/2016 academic year according to Administrative Order No. 4340 dated 9/19/2015
- 17- Member of a committee for the purpose of drawing up a policy and strategy derived from the vision, mission and objectives of the college on 22/6/2016
- 18- Chairman of the Laboratories Self-Assessment Committee on 14/6/2016
- 19- Head of an audit committee to look into the reasons for not evaluating the teaching staff (the end of Abbas Aliwi) for the year (2011/2012) according to Administrative Order No. 6100 on 7/27/2016
- 20- A member of a committee that manages the competitive examination for applicants for postgraduate studies for the academic year 2016/2017 on 7/11, 2016.
- 21- Head of an audit committee to consider the reading of the head of the Computer Engineering Department under Administrative Order No. 203 on 5/8/2016
- 22- Head of an audit committee to consider the teaching of (Dr. Ahmed Sahib) in the Department of Roads and Transport Engineering, according to Administrative Order No. 189 of 04/18/2016
- 23- Head of an audit committee to consider the complaint of the student Nour Malik Jalil according to Administrative Order No. 178 of 10/4/2016
- 24- Head of an audit committee to look into the complaint of Dr. Hadi Nasser Ghabban under Administrative Order No. 2697 on 3/29/2016
- 25- A member of the re-formation of the central examination committee for the 2016/2017 academic year according to Administrative Order No. 8847 on 12/4/2016
- 26- Head of the Follow-up Committee for the Computer Proficiency Exam for Students applying for Postgraduate Studies for the 2016/2017 academic year on 11/8/2016
- 27- Member of the Standing Committee of the Computer Engineering Department for the academic year 2016/2017 according to Administrative Order No. 7702 dated 10/18/2016
- 28- Chairman of the Central Committee to consider objections to the evaluation of faculty members for the academic year 2015/2016 according to Administrative Order No. 9387 of 12/27/2016
- 29- Member of the Organizing Committee for the Annual Scientific Symposium... in accordance with Administrative Order No. 1333 on February 14, 2016

- 30- Head of a central committee responsible for setting examination controls ... on 01/18/2016
- 31- Chairman of the Student Discipline Committee according to Administrative Order No. 807 on 10/5/2016
- 32- Chairman of the Committee admitted for the academic year 2016/2017 according to Administrative Order No. 2201 on 1/11/2016
- 33- Member of the Committee for checking the files of applicants for study leave on 28/12/2016
- 34- Member of the Central Examination Committee for the academic year 2017/2018 according to Administrative Order No. 9050 on 28/12/2017
- 35- Member of the Standing Committee of the Computer Engineering Department for the academic year 2017/2018 according to Administrative Order No. 338 dated 15/1/2018
- 36- Chairman of the Standing Committee for Scientific Departments for the academic year 2017/2018 according to Administrative Order No. 6702 dated 10/8/2017
- 37- Chairman of the Student Discipline Committee for the academic year 2017/2018 according to Administrative Order No. 74 of 12/13/2017
- 38- Head of the committee to follow up on the application and admission procedures for postgraduate studies for the academic year 2017/2018 according to Administrative Order No. 3401 of 5/15/2017
- 39- Chairman of the Internal Committee for Performance Review of Academic Departments 2018 according to Administrative Order No. 1054 dated 8/2/2017
- 40- Member of the National Classification Committee under Administrative Order No. 5842 dated 27/8/2017
- 41- Head of the Committee: Completion of the necessary requirements for the opening of the Water Resources Engineering Department at the College, according to Administrative Order No. 5555 on 13/8/2017
- 42- Chairman of the Committee on Rehabilitation Works of the English Language Hall according to Administrative Order No. 1081 on 9/2/2017
- 43- Chairman of the Committee to set clear methodological mechanisms that students are committed to during volunteer work in accordance with Administrative Order No. 1074 on 9/2/2017
- 44- Member of the Audit Committee in the complaint submitted by a group of students of the Faculty of Administration and Economics under Administrative Order No. 3029 on August 21, 2017
- 45- Chairman of the Audit Committee to find out the circumstances of the subject and to indicate the extent of commitment of (Dr. Jamal Saeed Abdul-Amir) to the examination regulations according to the administrative order No. 300 of 7/16/2017
- 46- Head of an audit committee to consider the request submitted by (Dr. Nagham Tariq Hamad) under Administrative Order No. 326 on 8/8/2017
- 47- Head of an audit committee to consider the memorandum of the head of the Roads and Transport Engineering Department under Administrative Order No. 277 of 6/19/2017

- 48- Head of the Examination Committee in the Civil Engineering Department for the competitive examination for the academic year 2016/2017 according to Administrative Order No. 247 dated 05/22/2017
- 49- Head of the Examination Committee in the Computer Engineering Department for the competitive examination for the academic year 2016/2017 according to Administrative Order No. 247 on 05/22/2017
- 50- Head of the Committee to Follow up on Application and Admission Procedures for the Academic Year 2017/2018 According to Administrative Order No. 3401 of 5/15/2017
- 51- Head of an audit committee to check the percentages of absences for student Nawaf Qais Abdul-Kadhim according to Administrative Order No. 220 on 9/5/2017
- 52- A member of the Central Committee in charge of evaluating creative works... according to Administrative Order No. 1259 on 21/4/2017
- 53- Head of the committee to supervise graduation photos for the fourth stage according to Administrative Order No. 2038 on 3/26/2017
- 54- Head of the sub-committee concerned with the nomination of academic leaves for the academic year 2018/2019 in accordance with Administrative Order 105 on 7/1/2015
- 55- Head of the Central Committee to consider objections to the evaluation of the affiliates for the 2016/2017 academic year according to Administrative Order 555 on 01/18/2018

#### **Committees/ Presidency of Al-Mustansiriya University**

- 1- Chairperson in the higher body supervising evening studies at the university for the academic year (2017/2018) according to University Order 717 on 11/2/2018.
- 2- Chairman of the Central Scientific Committee for the Evaluation of Scientific Outcomes 2018 according to University Order No. 614 on February 13, 2018.
- 3- Head of the Committee for Evaluating Creators in Ministries and Entities Not Associated with the Ministry of 2018 according to University Order No. 626 dated 14/2/2018.
- 4- Head of the Psychological Guidance and Educational Guidance Committee according to University Order 639 on February 15, 2018.
- 5- Chairman of the Arbitration Committee to audit the files of applicants for the Al-Mustansiriya Prize for Science and Arts 2018 according to the university order No. 795 on 28/2/2018.
- 6- Head of a committee to set special mechanisms and approved criteria for identifying abstinent students 2018, according to University Order No. 774 of 28/2/2018.
- 7- Chairman of the Preparatory Committee for the Annual Celebration Day of the University's Founding Anniversary 2018, according to University Order No. 939 of 12/3/2018.
- 8- Chairman of the Council of the Continuing Education Center at the university 2018 according to the university order No. 954 on 12/3/2018.

- 9- Member of the Quality Assurance Council 2018 according to University Order No. 985 dated 3/14/2018.
- 10- Head of the Culture Committee for the Transition to the Courses System 2018 according to University Order No. 1112 dated 3/28/2018.
- 11- Head of the committee to consider the academic outcomes of postgraduate studies in some similar or similar disciplines among some of the faculties of our university 2018, according to University Order No. 1230 on 4/4/2018.
- 12- A member of the Central Examination Committee to supervise and follow up the competitive examination for the academic year 2017/2018 according to University Order No. 1612 on 05/14/2018.
- 13- Member of the Comprehensive Evaluation Committee for the University's Performance for the Years (2012-2013-2014) according to University Order No. 2125 dated 27/5/2018.
- 14- Head of the committee for reviewing university logos and preparing designs for that 2018 according to the university order No. 1864 on 6/4/2018.
- 15- Chairman of a committee to supervise the implementation mechanism of English and computer courses for applicants for postgraduate studies 2018 according to University Order No. 1899 on 6/6/2018.
- 16- A member of the central preparatory committee for the annual graduation ceremony for the academic year 2017/2018 according to the university order No. 1931 on 06/11/2018.
- 17- Chairman of the Follow-up Committee of our university's commitments regarding achieving the goals of the fourth goal of the sustainable development goals for the year 2030 - 2018 according to the university order No. 2094 on 06/26/2018.
- 18- Head of the committee to audit the files of applicants for postgraduate studies for the academic year 2018/2019 and to issue university orders for admission according to University Order No. 2295 on 11/7/2018.
- 19- Head of the committee for preparing the guide for the graduation celebration for the academic year 2017/2018 according to the university order No. 2487 on 7/26/2018.
- 20- Head of the committee for preparing a guide to the achievements of Al-Mustansiriya University for the years (2015 to 2018) - 2018 according to the university order No. 2535 on 7/31/2018.
- 21- Chairman of the Committee for the Preparation of Al-Mustansiriya University Guide for the year 2018 according to the university order No. 2536 on 7/31/2018.
- 22- A member of the committee preparing the meeting of the opinion board, which will be held at Al-Mustansiriya University 2018, according to the university order No. 2826 on 28/8/2018.

- 23- Chairman of the University Housing Committee at Al-Mustansiriya University 2018 according to the university order No. 2881 on 2/9/2018.
- 24- A member of the Committee (Crisis Cells) that takes charge of interviewing the demonstrators when it occurs in 2018, according to University Order No. 2953 on 5/9/2018.
- 25- Head of the interview committee for students applying for admission on Elite TV for the academic year 2018/2019, according to University Order No. 3058 on 9/18/2018.
- 26- Chairman of the Central Committee for the Implementation of the Instructions for Admission to the Evening Study for the Academic Year 2018/2019, according to University Order No. 3077 dated 9/19/2018.
- 27- Member of the committee for setting goals and drawing up the strategy for the College of Engineering / Al-Mustansiriya University according to Administrative Order No. 7822 on 9/23/2018.
- 28- A member of the Ministerial Committee for setting up a mechanism to determine the previous scientific specialization for students that qualifies them to start postgraduate studies in the humanitarian specialties 2018 according to Ministerial Order No. 4555 on 9/24/2018.
- 29- Chairman of the Committee to Study Cancellation of the Department of Postgraduate Studies for Teaching Methods at the College of Basic Education 2018 according to University Order No. 3131 dated 9/25/2018.
- 30- Chairman of the CBRN Committee, which is responsible for disseminating the concepts of preventing the proliferation of weapons of mass destruction and raising awareness of the concept of dual-use materials and devices 2018 according to University Order No. 3139 of 9/25/2018.
- 31- A member of the higher committee supervising evening studies at the university for the year 2018/2019, according to University Order No. 4675 dated 10/1/2018.
- 32- A member of a ministerial committee that is responsible for setting up a mechanism to determine the previous scientific specialization for students that qualifies them to start postgraduate studies according to the university order 3383 on 11/10/2018.
- 33- A chair in a committee that checks and activates the exam number for students applying for special morning (parallel) admission for the year 2018/2019 according to university order 3463 on 10/17/2018.
- 34- Head of the Subcommittee for the Preparation of Requirements for Postgraduate Studies inside Iraq for the 2019-2020 academic year, according to University Order No. 3516 on 10/21/2018.
- 35- Member of the Central Committee of the Conference of Scholarship Students at our University in 2018, according to University Order No. 3609 on 10/25/2018.



- 36- Supervising the website of Al-Mustansiriya University from 2018 until now, according to the university order No. 3763 on 7/11/2018.
- 37- Head of a committee to study the possibility of creating a specialized research center in the field of study and follow-up of cases of people with autism disorders - 2018 according to University Order No. 3838 on 14/11/2018.
- 38- Member of the Ministerial Committee to find a solution to the website of Ibn Sina University for Medical and Pharmaceutical Sciences - 2018 according to Ministerial Order No. 25/7/5/5643 on 28/11/2018.
- 39- Head of the Psychological Guidance and Educational Guidance Committee at the University Presidency 2018 according to University Order No. 4203 dated 11/12/2018.
- 40- Head of a committee that considers requests to determine tuition fees of no less than 75% of the approved tuition fees for humanitarian cases - 2018 according to University Order No. 4260 on 16/12/2018.
- 41- Member of the committee to restructure the Quality Assurance Council according to the university order 4280 on 18/12/2018.
- 42- Member of a committee that selects the ideal employee in our university.
- 43- Chairman of the Sub-Committee for Granting Study Leaves for Postgraduate Studies (2019-2020) according to University Order No. 267 dated 24/1/2019.
- 44- A chairperson in a committee that audits data and nominates applicants for study leave in accordance with University Order 267 on 24/1/2019.
- 45- Chairman in a jury that audits the files of applicants for the Al-Mustansiriya Prize for Science and Arts, according to University Order 725 on 27/2/2019.
- 46- Chairman of the Permanent Disciplinary Committee of the internal departments according to University Order No. 289 on 28/1/2019.
- 47- Head of a permanent disciplinary committee for internal departments according to University Order 289 on 28/1/2019.
- 48- A chairperson in a committee that considers requests to reduce tuition fees according to University Order 313 on January 29, 2019.
- 49- A chairperson in a committee that studies the applications submitted to the university by students who have completed their studies according to the university order 314 on 29/1/2019.
- 50- Head of a committee for the purpose of implementing the programs and projects of the government program within the ministerial curriculum for the period (2018-2022) according to University Order 611 on February 19, 2019.

- 51- Chairperson in a committee responsible for following-up on the upgrading of our university's classification within the international rankings of universities according to internationally approved basic standards according to the university order 653 on 21/2/2019.
- 52- Head of a committee responsible for designing and programming a system for citizens' affairs, students and teachers, according to University Order 710 on 26/2/2019.
- 53- Head of a special committee to implement the necessary procedures to work on the course system according to the university order 895 on 11/3/2019.
- 54- Head of a preparatory committee for the annual celebration of the anniversary of the founding of the university and the flag day according to the university order 1122 on 3/31/2019.
- 55- Head of a committee responsible for tests in English, computer and Arabic, according to university order 1214 on 9/4/2019.
- 56- Head of the Central Committee for Controlling the Circulation of Dangerous and Toxic Chemicals and Biological Materials, according to University Order 1271 on 11/4/2019.
- 57- Member of the Central Committee for reviewing and approving assignments and contracts according to University Order 1337 on 17/4/2019.
- 58- Chief in the matter of holding the first scientific accounting forum under the slogan (We meet to rise) according to the university order 1332 on 17/4/2019.
- 59- Head of a committee that studies the scientific outcomes for granting higher degrees in the specialty (Teaching Methods) according to the university order 1584 on 2/5/2019.
- 60- Member of the Supreme Central Committee for the annual graduation ceremony of our university students for the academic year 2018/2019 according to the university order 1804 on 16/5/2019.
- 61- Chairman of the Examination Process Committee for the year 2018-2019 at our university according to the university order 1953 on 28/5/2019.
- 62- Member of the Follow-up Committee for Internal Departments Affairs and Resolving Problems related to the provision of basic supplies and services during the final exams period at our university for the academic year 2018-2019 in accordance with University Order 374 on 12/6/2019.
- 63- Head of a committee that audits the files of applicants for postgraduate studies for the academic year 2019/2020 according to University Order 2278 on 25/6/2019.

- 64- A chair in a committee that solves strategic problems by relying on the national staff according to the university order 2484 on 10/7/2019.
- 65- A chairperson in a committee for the purpose of checking and nominating the files of applicants for the research fellowship for teaching staff under Order 3566 on 7/8/2019.
- 66- A chair in a committee that looks into the exact needs of our university for postgraduate studies for the academic year (2020-2021) according to the university order 2535 on 15/7/2019.
- 67- Member of the Central Committee for reviewing and approving assignments and contracts under University Order 2537 on 15/7/2019.
- 68- Head in the re-formation of the Central Committee for the Evaluation of Scientific Results in accordance with University Order 2611 on 22/7/2019.
- 69- Chairman of the Committee for the Preparation of International Conferences pursuant to Order 2644 on 23/7/2019.
- 70- Chairman of the Central Examination Committee (calendar exam) for the academic year 2018-2019 according to Order 2695 on 7/28/2019.
- 71- Head of a committee that follows up on obtaining the revenues of the Higher Education Fund for private expenditures (initial and higher) the 80% reserved under Decree 2694 on 28/7/2019.
- 72- Member of a committee responsible for updating the performance appraisal forms for each of (leaders, teachers, employees) of our university and scientific institutions according to Ministerial Order 2576 on 5/8/2019.
- 73- Head of a committee responsible for preparing awareness and educational programs for drug prevention in accordance with University Order 2863 on 7/8/2019.
- 74- A chairperson in a committee that monitors the preparations of our university's faculties to implement the course system according to University Order 2897 of 08/18/2019.
- 75- A chairperson in the Central Committee is responsible for implementing the instructions and controls for admission to evening studies for the 2019/2020 academic year according to University Order 4003 on August 29, 2019.
- 76-** Head of a permanent and support committee at the center of the Iraqi ministry and universities, which coordinates with Huawei in accordance with the university order 4005 on 1/9/2019.
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❖ **Committees/ Ashur University College:**

1. Nomination for membership in the National Higher Education Council as a representative of the private (universities / colleges).
2. Head of the Appointments Committee for the distribution of the administrative order No. 460 on September 17, 2020.
3. Chairman of the Examination Committee for the academic year 2020/2021 Distribution of the administrative order numbered 247 on February 18, 2021.
4. Chairman of the Professorship Holders Committee to distribute the administrative order No. 388 on 3/31/2021.
5. Chairman of the Global Group Committee in the Distribution of Administrative Order No. 551 on 10/5/2021.
6. Chairman of the Committee for Psychological Praise and Educational Guidance in accordance with the administrative order No. 1382 dated 10/5/2021.
7. Chairman of the Examination Committee for the academic year 2021/2022 according to the administrative order No. 129 on 2/1/2022.
8. Chairman of the Program Accreditation Committee of our college in accordance with the administrative order No. 224 dated 6/2/2022.
9. Chairman of the editorial board of the Journal of the Ashur College of Human Sciences, according to the administrative order No. 995 on 06/15/2022.

❖ **Courses Taught in the College of Engineering:**

Undergraduate	Postgraduate
1- Electromagnetic field theory 2- Numerical Computation	1- Information Theory

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**Languages:**

) (Arabic),( English),( Chinese

### **Scientific Publications:**

1. **“Electromagnetic Scattering of Plane Wave by       conducting Helix”** Hu Bin-Jie and Kadhum AL-Majdi Proceedings of 8~(th) Sino-Japanese Joint Meeting on Optical Fiber Science and Electromagnetic Theory, 2004.
2. , **“Scattering Analysis of Arbitrarily Shaped Conducting Thin Wire Structures”** AL-Majdi Kadhum, Bin-Jie Hu and Jun-Xin Yin, in Proc. of 2005 Asia-Pacific Microwave Conference (APMC'2005), Suzhou, China, December 4-7, 2005, vol. 4 of 5, pp. 2758-2760.
3. **“The Efficient Analysis of a Helix Antenna by using a Moment Method Technique** Majdi Kadhum, Bin-Jie Hu and Jun-Xin Yin,” , Journal of Science Technology and Engineering 2005, 16(5):1140-1144.
4. **“Analysis and Kernel Expression of Wire Antenna with Arbitrary Shape** Majdi Kadhum, Bin-Jie Hu and Jun-Xin Yin,” , Journal of South China University of Technology, December 2005, 33(12):52-55.
5. **“The Analysis of Electromagnetic Scattering from Arbitrarily Oriented Thin-wire”** Majdi Kadhum, Bin-Jie Hu and Jun-Xin Yin, Journal of Science Technology and Engineering, March 2006, 6(6):756-759.
6. **“Moment Method Solution in Time Domain for Arbitrarily   Shaped Conducting Wire Structures** AL-Majdi Kadhum, Qi Ming,” , in International Conference on Information and Control Technologies 2006, Shenzhen, China, December 7-8, 2006, pp. 187-192.
7. **“Constitutive Relations and Scattering Characteristics of General Bi-Isotropic Objects”** AL-Majdi Kadhum and Qi Ming, The Eighth International Conference on Electronic Measurement and Instruments 2007, Xi'an, P. R. China, Aug. 16, 2007, Vol. 4, pp.488 - 494.
8. **Efficient Time Domain Analysis of Arbitrarily Shaped Conducting Wire Structures”** AL-Majdi Kadhum and Qi Ming “Journal of Science & Technology Information, 2007, Vol. pp.18-21.
9. **“Characterization of Chiral Media and the Scattering of Bi-Istropic”** Al-Majdi Kadhum and Qi Ming Journal of Henan Science, 2008, Vol. 26, pp534-539.

10. **"Scattering Characteristics of Conducting Helix"** Al-Majdi Kadhum and Qi Ming in International Conference on microwave and millimeter wave technology, April 21-24,2008, Vol. 4, pp 1902-1905.
11. **"Advance study in the generalized circular polarization and scattering from Bi-Isotropic objects"**Al-Majdi Kadhum. Journal of Engineering and development, Sep. 2012, Vol. 16, No. 4. PP. 229-240
12. **"Reed Solomon coding in orthogonal frequency division multiplexing (OFDM) communication Systems.** Raed Al-Moussawy and Al-Majdi Kadhum Journal of Engineering and development, Sep. 2012, Vol. 16, No. 3. PP. 162-174.
13. **"Skin Cancer Prognosis Pigment Processing"**. Muthana H. Hamd& Al-Majdi Kadhum. International Journal of Image processing, Malaysia, June 2013, Vol. 7, No. 3. PP.227-236.
14. **"Edge detection using scaled conjugate gradient algorithm in back propagation neural network** WalaaKhalaf, Mohammed Ali and Al-Majdi Kadhum Engineering & Technology Journal 2014, Vol. 32, No. 2 Part (A), PP. 385-395.
15. **"Dc Motor Design and Characteristics Using Matlab"** Abdal-Razak Shehab, Raed Al-Moussawy and Al-Majdi Kadhum. Journal of Engineering and development, May, 2014, Vol. 18, No. 3. PP. 1813-7822.
16. **" Adaptive Channel Equalization Using Tuning-Free Non-Parametric NLMS with Variable Step Size"** Raed S.H. AL-Musawi, Ali H. Ali, Kadhum A. AL-Majdi international Journal of Electronics & Data communication, Vol.3, No. 4, PP. 119-130, June 2016.
17. **A Novel Edge Detection Method Using K-means Clustering** Walaa M. Khalaf, Noor Hashim Hamed, Kadhum Al-Majdi, , Journal of Engineering and sustainable development, Dec.2016, Vol.20, No.6, PP.207-215.
18. **M-TRANSFORM: A NOVEL TIME TO TIME-FREQUENCY TRANSFORM"** Kadhum A. AL-Majdi " " international Journal of Electronics & Data communication, Vol.3, No. 5, PP. 175-181, May 2017.
19. **Design of n-Bit Adder without Applying Binary to Quaternary Conversion** Walaa Khalaf,DhaferZaghar,Kadhum AL-Majdi, Engineering and Technology Journal,May 2019,No 1.37,Part A,NO.03,PP.106-111.

20. **A Freights Status Management System Based on Dart and Flutter Programming Language**, Ghusoon Idan Arb and Kadhum Al-Majdi, Journal of Physics: Conference Series, vol. 1530, no. 1, p. 012020. IOP Publishing, 2020
21. **Real-Time classification of various types of falls and activities of daily livings based on CNN LSTM network**, Kadhum Al-Majdi, Raed S.H. AL-Musawi, Ali H. Ali, Saif Ali Abudlmoniem, Yaqeen S. Mezaal, Periodicals of Engineering and Natural Sciences, Vol. 9, No. 3, Pages: 958-969, Year: 2021
22. **Microstrip diplexer for recent wireless communities**, Kadhum Al-Majdi, Yaqeen Sabah Mezaal, Periodicals of Engineering and Natural Sciences, Vol. 10, No. 1, Pages: 387-396, Year: 2022
23. **New Miniature Microstrip Antenna for UWB Wireless Communications**, Yaqeen S. Mezaal, Kadhum Al-Majdi, Aqeel Al-Hilalli, Alabbas A. Al-Azzawi, Aya A. Almukhtar, Proceedings of the Estonian Academy of Sciences, Accepted in January 2022
24. **Developing Capacity Sharing Strategy For Vehicular Network With Integrated USE Of Licensed And Unlicensed Spectrum**, Haider Albonda, Kadhum Al-Majdi, Bahaa Abbas, «Eureka: Physics and Engineering» Number 3, 2022.
25. **Development of CNN-LSTM Hybrid Deep Learning Network for the Joint Detection of Non-Orthogonal Multiple Access Signals in 5G Uplink Receivers**, Hilal Ali, Raed S.H. AL-Musawi, Kadhum Al-Majdi, May 3, 2022, June 9, 2022.
26. **MLCM: An efficient image encryption technique for Io T application based on multi-layer chaotic maps**, Kadhum Al-Majdi, Ahmed H. Salmanb, Noor Alhuda F. Abbasb, Mohammed M. Hashimc, Mustafa S. Tahad, Abdullah A. Nahi Alrabeeahd, Salim Salehd, Int J. Nonlinear Anal. Appl. In Press, 1–25, ISSN: 2008-6822 (electronic).
27. **Enhancements to the Deep Learning Signal Detection Model in Non-Orthogonal Multiple Access Receivers and Noisy Channels**, Ali, A.H., Al-Musawi, R.S.H., Al-Majdi, K., Journal of Telecommunications and the Digital Economy [this link is disabled](#), 2022, 10(1), pp. 92–100
28. A scientific study to facilitate the procedures of the scientific forum competition for Al-Mustansiriya University

## **developing skills**

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### **Participations in the College of Engineering / Al-Mustansiriya University:**

1. More than ten researches published in international journals in the field of electromagnetism and antennas.
2. Participation in four research papers in international conferences.
3. Participation in many seminars, forums and scientific workshops within China and East Asian countries.
4. Chairman of the Preparatory Committee for the Scientific Symposium of the Department of Computer Engineering 11-27-2012.
5. Member of a ministerial delegation to review the reality of higher education in Iranian universities 12/26/2013.
6. Chairman of the Preparatory Committee for the Second Scientific Symposium of the Department of Computer Engineering 10-16-2014.
7. Member of the Preparatory Committee for the College Symposium (Sustainable Engineering, the Road to Reform) 02/14/2016.
8. Head of the preparatory committee to supervise the graduates workshop 3-9-2016.
9. Chairman of the committee to discuss the self-assessment report for the departments of the College of Engineering 8-2-2017.
10. Chairman in a committee to hold a conference (Sustainable Engineering...Strategies and Applications for Community Service) 9/25/2017.
11. Member of the Preparatory Committee for the College Symposium (Sustainable Engineering) 26-2-2017.
12. Member of the Colleges of Pharmacy Committee.

### **❖ Participations in the presidency of Al-Mustansiriya University:**

1. Participation in the Scientific Forum at Salahaddin University - Erbil (2018).
2. Participation in giving a lecture in the workshop tagged (electronic correction), which was held on 5/15/2018.
3. Participation in giving a lecture in the workshop entitled (Government Communication and its Role in the Work of Educational Institutions), which was held on (29/5/2018).
4. Participation in giving lectures in the training course tagged (steps for writing scientific research for postgraduate students) that was held for the period (7-18/10/2018).
5. Participation in giving lectures in the training course tagged (Electronic Educational Administration), which was held for the period (24-28/3/2019).
6. Participation in a symposium in cooperation with the Ministerial Committee for Drug Control in the Ministry of Higher Education and Scientific Research (drugs are a latent danger that threatens the security of societies) 4-8-2019.



7. Participation in the National Committee for Biological Risk Management, the American Biological Threats Confrontation Program (BTRP), and Sandia Laboratories March 4-6, 2019.
8. Participation in the Ninth International Conference of the Iraqi Chemists Syndicate (for a sustainable Iraqi industry) 9-3-2019.
9. Participation in giving lectures in the training course tagged (supporting curricula with e-learning), which was held on (9-13/6/2019).

#### ❖ **Participations in Ashur University College:**

1. Participation in the workshop tagged (Covid 19 latest developments) view held on December 29, 2020
2. Participation in a symposium tagged (the role of hypoxia in the formation of tooth enamel, clinical experimental animal and cell study) viewing held on 3/3/2021.
3. Participation in the tagged symposium (and the international rules for the classification of world universities) watch held on 4/3/2021
4. Participation in the lecture tagged (smoking) view held on 25/4/2021
5. Participation in a workshop tagged (deep concrete beams and methods of strengthening them) watch held on 4/5/2021
6. Participation in the tagged symposium (the tagged and its harms) watch held on 24/5/2021
7. Participation in the workshop tagged (earthquake-resistant buildings) watch, which was held on 25/5/2021
8. Participation in the workshop tagged (diagnostic imaging for stroke), which was held on 30/5/2021.
9. Participation in the symposium tagged (Business Re-engineering), which was held on 31/5/2021
10. Participation in a workshop tagged (formal metaphors and their symbolic significance in architecture), which was held on 1/6/2021.
11. Participation in the workshop tagged (formal metaphors and their symbolic significance in architecture), which was held on 1/6/2021
12. Participation in the workshop tagged (translation of idioms), which was held on 8/6/2021.
13. Participation in the workshop tagged (augmented reality technology and its most important applications), which was held on 14/6/2021.
14. Participation in the workshop tagged (traditional drugs and digital drugs and the legal position on them), which was held on 7/7/2021
15. Participation in the training course tagged (e-learning) on October 17 and 19, 2021
16. Participation in the scientific workshop tagged (breast cancer awareness), which was held on 26/10/2021

17. Participation in the workshop organized by the Quality Assurance Division tagged (Iraqi Classification of Universities), which was held on 27/10/2021
18. Participation in the symposium tagged (the novelty in Covid 19), which was held on 9/11/2021
19. Participation in the scientific workshop tagged (good laboratory practices and classification of laboratories), which was held on November 29, 2021
20. Participation in the scientific workshop tagged (the five most famous problems facing working women and their solutions), which was held on 6/12/2021.
21. Participation in the scientific workshop tagged (the system of social relations in the educational institution and ways of its development), which was held on 7/12/2021
22. Participation in the scientific workshop tagged (modern digital transformation systems), which was held on 13/12/2021\
23. Participation in the scientific workshop tagged (The Right to Equality in the Iraqi Constitution of 2005), which was held on December 19, 2021
24. Participation in the scientific workshop tagged (classification of the quality of specialized laboratories), which was held on 21/12/2021.
25. Participation in the scientific workshop tagged (electronic performance evaluation mechanism), which was held on 24/12/2021.
26. Participation in the scientific workshop tagged (violence against women, results and solutions), which was held on 27/12/2021.
27. Participation in the scientific workshop tagged (the latest update of relation between some medical test and covid19), which was held on December 28, 2021
28. Participation in the scientific workshop tagged (on the most prevalent health problems in Iraqi society), which was held on 4/1/2022
29. Participation in the symposium tagged (Science of Spiritual Energy), which was held on 9/1/2022
30. Participation in the symposium tagged (total quality management in educational institutions), which was held on 12/1/2022
31. Participation in the scientific workshop tagged (Surat Al-Talaq and its impact on the treatment of marital problems), which was held on January 16, 2022
32. Participation in the scientific workshop tagged (provisions regulating the caretaker government in Iraq according to the 2005 constitution), which was held on January 17, 2022
33. Participation in the scientific workshop tagged (Women's Rights in the Iraqi Constitution of 2005), which was held on January 18, 2022
34. Participation in the scientific workshop tagged (5G technology and future application), which was held on 1/22022
35. Participation in the scientific workshop tagged (Moral Attention), which was held on February 8, 2022

36. Participation in the scientific workshop tagged (design and implementation of a medical device using artificial intelligence technology and neural networks to monitor Covid 19 patients through a secure communication system), which was held on February 28, 2022.
37. Participation in the scientific workshop tagged (designing and implementation of a medical device controlled IOT for COVID19 patients monitoring through secured communication system), which was held on 28-2-2022
38. Participation in the scientific workshop tagged (sterility and assisted reproductive technologies), which was held on 6/3/2022.
39. Participation in the scientific workshop tagged (the role of women in educational institutions), which was held on March 8, 2022.
40. Participation in the scientific workshop entitled (systematic literature review from scratch to publication), which was held on 9-3-2022
41. Participation in the electronic scientific workshop tagged (Russian military intervention in Ukraine in light of the provisions of international law), which was held on 22/3/2022
42. Participation in the scientific workshop tagged (hospital waste management), which was held on 23/3/2022
43. Participation in the scientific workshop tagged (medical herbs for the treatment of heart diseases), which was held on March 27, 2022
44. Participation in the scientific workshop tagged (high blood pressure and its effective treatments), which was held on March 27, 2022
45. Participation in the scientific workshop tagged (fuzzy hierarchical analysis), which was held on 28/3/2022
46. Participation in the scientific workshop tagged (depression and its relationship to Irritable Bowel Syndrome), which was held on March 29, 2022.
47. Participation in the scientific workshop tagged (increasing divorce cases in Iraqi society: causes and solutions), which was held on 30/3/2022
48. Participation in the scientific workshop tagged (intention with diabetes, causes and solutions), which was held on 4/3/2022
49. Participation in the scientific workshop tagged (depression and its relationship to Irritable Bowel Syndrome), which was held on March 29, 2022
50. Participation in the scientific workshop tagged (DNA amplification using PCR technology), which was held on 6/4/2022
51. Participation in the scientific workshop tagged (classifying medical images in the field of machine learning), which was held on 6/4/2022.
52. Participation in the scientific workshop tagged (Constitution of 2005 between contradiction and ambiguity), which was held on 9/4/2022
53. Participation in the scientific workshop tagged (the use and application of electronic medical sensors), which was held on 9/4/2022

54. Participation in the scientific workshop tagged (drugs and their effects), which was held on 9/4/2022
55. Participation in the scientific workshop tagged (Ethics of the Teaching Profession in Iraqi Colleges and Universities), which was held on 13/4/2022
56. Participation in the scientific workshop tagged (congenital malformations and genetic diseases in Iraqi children), which was held on 17/4/2022
57. Participation in the scientific workshop (Diabetes Disease and its Problems), which was held on 18/4/2022
58. Participation in the scientific workshop tagged (silent killer disease), which was held on 20-4-2022
59. Participation in the scientific workshop tagged (2D and 3D design with digital fabrication), which was held on 25-4-2022
60. Participation in the scientific workshop tagged (violence against women), which was held on 26/4/2022
61. Participation in the scientific workshop tagged (How to prepare the educational bag), which was held on 27/4/2022
62. Participation in the scientific workshop tagged (cracks in poolings), which was held on 5/5/2022
63. Participation in the scientific workshop tagged (marriage of minors and its effects on life), which was held on 11/5/2022
64. Participation in the scientific workshop tagged (bacteriophage: A Novel medical technology), which was held on 15/5/2022
65. Participation in the scientific workshop tagged (the crime of smuggling migrants in light of international criminal law), which was held on May 17, 2022
66. Participation in the scientific workshop tagged (basics of landfill technique for solid waste disposal), which was held on 21/5/2022
67. Participation in the scientific workshop tagged (types of disciplinary penalties imposed on the public servant in the public office and the competent authority to impose it), which was held on 28/5/2022
68. Participation in the scientific workshop tagged (the mechanism of action of drinking water treatment plants), which was held on 28/5/2022
69. Participation in the scientific workshop tagged (time management), which was held on 31/5/2022
70. Participation in the scientific workshop tagged (the Yazidis during the ISIS period, a crime of genocide or a crime against humanity), which was held on 1/6/2022
71. Participation in the scientific workshop tagged (models for academic accreditation in some countries and the most suitable model for Iraqi universities), which was held on 2/6/2022