

C. V. of Dr. Qasim Mohammed Hussein

1. Personal information

Name: Assistant Professor Dr. Qasim Mohammed Hussein

Date & place of birth: 1961, Iraq - Baghdad

Gender: Male.

General specialization: Philosophy of Computer Science.

Specific specialization: Cryptography and computer security.

Marital status: Married.

Address: Iraq – Baghdad

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Mobile: 00964 7705858048

Language (spoken): Arabic (mother language) / English (good).

Language writing: Arabic (mother language) / English (good) .

Researcher ID: G-8473-2019



2. Academic & professional information

Establishment: Tikrit University – College of Computer sciences and mathematics – computer sciences department- Iraq

3. Academic qualifications (Certificates)

Qualification	Major	Institute	Country	Grade	Date obtained
Ph. D. in computer science	Computer science	Technology university	Iraq	Very good	2009
M. Sc. in computer science	Computer science	National computer center	Iraq	Very good	1987
B. Sc. in physics.	Physics science	Baghdad University	Iraq	Good	1982
Internal audit of quality assurance in higher education institution	Quality assurance	American institute of professional studies	Turkey	Excellent	2014

4. Training Courses

Course	Major	Institute	Country	Date obtained
ISO 9001:2015 (Quality Management Systems)	Quality assurance	Bureau VERITAS	France	2018
ISO/IEC 27001: 2013 Information security management	Quality assurance	Arab Foundation for Training, Consulting and Arbitration	Turkey	2018
ISO 17025 : 2005 General requirements for the competence of testing and calibration lab oratories	Quality assurance	Arab Foundation for Training, Consulting and Arbitration	Turkey	2018
Strategy planning for teaching organization and improve the performance		Arab Foundation for Training, Consulting and Arbitration	Kingdom of Saudi Arabia	14-1 Feb. 2019

5. Academic rank

	Rank	Date obtained
1	Assistant of lecture	1/11/2003
2	Lecture	5/4/2006
3	Assistant prof.	4/3/210
4	Professor	29/3/2016

6. Experience teaching

I taught in the following Iraqi universities:

	Duration	University	College	Department
1	1991-1993	Technology	-----	Computer science

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2	1993-1995	Private	AL-Rafidain university college	Computer science
3	1995-2003	Baghdad	Education - Ibn Al-Haitham	Computer science
4	1998-2002	Mustansiriya	Science	Computer science
5	2004-2007	Private	AL-Salam	Computer science
6	2007-2009	Alsulaymaniyah	Science & Basic education	Computer science
7	2009 – Until now	Tikrit	Computer sciences and mathematics	Computer science
8	Also I taught in Al-Mansour, Al-Maamoon colleges at different time intermittent.			

7. The published papers

	Paper title	Publisher	Date
1	Noor Statistical package.	5 th scientific conference of Iraqi statistical organization	1993
2	Implement GA to solve poly alphabet cipher.	Investment technology conference proceeding	1999
3	Design genetic algorithm to attack the transposition cipher	Scientific conference of Iraqi national computer center	2001
4	The authorized and security of computer.	1 st scientific conference for computer & mathematic science, Ibn-Haitham college	2002
5	Construct genetic algorithm to recover a coded message with Huffman codes.	Scientific conference for scientific research week, Baghdad university	2002
6	Treatment the stream cipher text depend on using cipher text only	Ibn Al-Haitham journal for pure and applied science	2002
7	New method to attack NTRU public key cryptosystem depend on known public information	Engineering and technology journal	2010
8	Using LSB as address to hide	Conference of education college – Al-	2010

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	information in color image	Mustansiriya university	
9	Analysis a class of stream ciphers	Tikrit journal of pure science, 17(4)	2012
10	New stream cipher cryptosystem using dual operation	4 th scientific conference for college of education for pure science, Education college- Thi Qar university	2013
11	The role of computer science department in supporting the government institutions of Salah – Addeen province	1 st scientific conference of computer sciences and mathematics college – Tikrit university	2013
12	Weakness points in book cipher	Tikrit journal of pure science, 18(4)	2013
13	Dynamic stream cipher key generation with mixed operation	1 st international scientific conference of Chihan university	2014
14	Assessing and upgrading the reality of e-learning at Tikrit university	International Conference on Education in Mathematics, Science and Technology, Konya – Turkey	2014
15	Hiding text in color image	4 th scientific conference of Madenat Aleelim college university	2014
16	Hiding Message in color Image Using Auto key generator	ACSAT 2014, Amman-Jordan, IEEE,Xplore	2014
17	The efficiency of Color Models layers at Color Images as Cover in text hiding	<i>Tikrit Journal of Pure Science 21 (1)</i>	2016
18	Virtual Reality and Its Role in Supporting the Armed Forces and the Supportive Agencies	<i>Tikrit Journal of Pure Science 21 (7)</i>	2016
19	The possibility of investment smart learning at Tikrit University	<i>1st Scientific Conference of Al-Nisour College University</i>	2017
20	A Secured OpenFlow Protocol Using Elliptic Curves Cryptographic for Software Defined Networks	<i>1st International Conference on Green and Sustainable Computing (Journal of Physics: Conf. Series 1019 (2018) 012014.</i>	2017
21	Implementing parallel image processing technique on FPGA	<i>International Scientific conference of Al-Nisour College University</i>	2018

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22	Solutions of diagnosis of security issues and attacks for storage in cloud computing	<i>Tikrit Journal of Pure Science 23(4).</i>	2018
23	FPGA Implementation of Multiple Image Processing Algorithm Using Spatial Parallelism	<i>ARPN Journal of Engineering and Applied Sciences 13(15)</i>	2018
24	Design and Implementation Image Processing Functional Unit Using Spatial Parallelism on FPGA	<i>ARPN Journal of Engineering and Applied Sciences, 13(15).</i>	2018
25	Suitability of Using Julia Set Images as a Cover for Hiding Information	<i>Al-Mansour International Conference on New Trends in Computing, Communication, and Information Technology 2018</i>	2018
26	A Hybrid Approach to Design Key Generator of Cryptosystem	<i>Journal of computational and theoretical Nanoscience, 16(3),2019.</i>	2019
27	Q-NTRU CRYPTOSYSTEM FOR IOT APPLICATIONS	<i>Journal of Southwest Jiaotong University, 54 (4), 2019.</i>	

Note: the red color means that the article is in Scopus database.

8. Field studies

Two field studies are established and then published concerned with education environment at Tikrit University.

Field Study	
1	The role of computer science department in supporting the government institutions of salah – addeen province
2	Assessing And Upgrading The Reality of e-learning at Tikrit university

9. Published & Translated Books

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I participated in writing five books in computer science subjects for university students. They are registration in **Iraqi national library** – the house of books and documentations. These books are:

	Book name	No. registration	Book language
1	Microsoft office	28 , 2004	Arabic (Published)
2	Statistical and program application	29, 2004	Arabic (Published)
3	Principle of visual basic	653, 2013	Arabic (Published)
4	Experimental and application in logic design	193, 2010	English (Published)
5	Principle of logic design	652, 2013	English (Published)
6	Software engineering for computer students	2016	Arabic (Translated)

10. Subjects teaching

	Under graduate	Graduate
1	Logic design	Operating system
2	Data structure	Data structure
3	Compiler techniques	Computer security
4	Computer security	
5	Computer graph	
6	Computer architecture	
7	Operating system	
8	Computer organization	
9	Computation theory	
10	Software engineering	
11	NN & GA	
12	Programming language (C++, Pascal)	
13	Pattern recognition	

11. Researches reviewer

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I am reviewer a dozens of scientific research to faculty scientific upgrade in Iraq universities or for publication in the scientific journals and conferences as following:

	Journal	Affiliation	Country
1	Computer technology and application journal	---	USA
2	Tikrit journal for pure science	Tikrit university	Iraq
3	Tikrit Journal of Engineering Science	Tikrit university	Iraq
4	Engineering & Technology Journal	Technology university	Iraq
5	journal of al-Qadisiya for pure science	Al-Qadisiya university	Iraq
6	Journal of College of Education for Pure Sciences	Thi Qar university	Iraq
7	Journal of basic education college	Baghdad university	Iraq
8	1 st scientific conference of computer science and mathematics	Tikrit university	Iraq
9	4 th scientific conference education for pure science	Thi Qar university	Iraq
10	1 st scientific conference	Madenat Alelem university college	Iraq
11	ACSAT 2013	Kuala lampur	Malaysia
12	ACSAT 2014	Amman	Jordan
13	Faculty scientific promotion in education college	Mosul university	Iraq
14	Central faculty scientific upgrade	Thi Qar university	Iraq
15	Faculty scientific upgrade of education for women	Baghdad university	Iraq
16	Faculty scientific upgrade in science college	Diyala university	Iraq
17	Faculty scientific upgrade in basic	Mustansiriya university	Iraq

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	education		
18	Central faculty scientific upgrade	Al Iraqla university	Iraq
19	Faculty scientific upgrade in Ibn-Alhaithem college	Baghdad university	Iraq

12. Committees' membership

I was contributed in tens of committees. At 2012-2014, I contribute in the following committees.

	Committee	Role
1	The examination committees of the Department of Computer science.	Head/member
2	The committee of curriculum for computer science departments in computer science and mathematics colleges in Iraq	Member
3	The deans committee of curriculum for computer science departments in computer science and mathematics colleges in Iraq	member
4	Committee to prepare the guide of computer sciences and mathematics college (CSMC)	Member
5	Prepare a workshop about educational guidance at CSMC	Head
6	Councils of quality assurance at CSMC	Member
7	University service axis and the university ethics axis in quality assurance CSMC.	Head
8	Student discipline at computer science dep. - CSMC.	Head
9	Examine the student's researches at Iraqi national researches conferences.	Head / member
10	Establish a specialized journal in Computer Science and Mathematics – Tikrit university (TU)	Member
11	Extraction of scientific papers submitted for upgrades by the faculty Computer Science Departments	Head

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12	Evaluate the researches of computer science – TU students conferences	Head / member
13	Organizing celebrations at CSMC.	Head / member
14	Examine the 4 th class students projects in computer sciences dep.	Head
15	Consolidation of research and translation at CSMC.	member
16	Distribution mechanism of degrees for students projects	Head
17	Scientific committees for computer sciences and mathematics conferences	Member
18	Check the validity of a device to break up the pebble in the bladder	Member
19	Answer of exams correction and objections	Head / member
20	Supervising the implementation of the efficiency of the computer exam at TU.	Member
21	Destruction of the scientific and methodological invalid books at CSMC.	Head/ member
22	Distribute the 4 th class student's projects CS dep.	Head
23	How to make a productive college.	Head
24	Experts in Tikrit commission of integrity	member
25	Central committee of e-government in Salah-addeen state	Member
26	Buy instruments and system of radio frequency ID (RFID) for Tikrit university students	Head
27	Buy electronic entry gates of the University of Tikrit	Member
28	16 Committees of tests scores for students to grant a master's degree or PhD's degree.	Head/member
29	Supervise the processing of optical cable inside the University of Tikrit	Member
30	Buy textbooks to college of computer science & mathematics	Head

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31	Create a partnership with Ball State University	Member
32	A number of scientific and preparation committees of scientific conferences in Iraq.	Member
33	The creation and re-cooperation agreement between Tikrit university and Ball State university.(2010 – 2014)	Head / member
34	Commission to Study the performance evaluation for the academic year 2014-2015 of Computer sciences and mathematic college	Member
35	Chair of scientific committee and Workshop organizers of international workshop on New Trends in Energy, Computer Communications, and Image Retrieval - ECI-2019, 22nd International conference on control systems and computer science (CSCS22), 2019	Head/organizer
36	Head of scientific committee- International conference for humanities and technology (ICFHAT) 2019	Head

13. Scientific journals membership

	Journal	Contribution	Country
1	Tikrit journal for pure sciences	Member of editorial boards scientific	Iraq

14. Conferences attending

	Conference	Place	Contribution	Year
1	5 th scientific conference for Iraqi Association for Statistical Sciences	Al-Qadisiya university - Iraq	Researcher	1993
2	Asiacrypt 98	Beijing, china	Attender	1998
3	Investment technology	Baghdad-Iraq	Researcher	1999
4	Third International Conference on Cryptology in India	Hyderabad, India	attender	2002
	the 1 st scientific conference mathematics and computer sciences,	Baghdad university	Researcher	2002

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5	college of education, Ibn Al-Haitham	- Iraq		
6	First Scientific Conference of Scientific Research Week	Baghdad university - Iraq	Researcher	2002
7	Conference of preparing mathematics curriculum	Al-Qadisiya university-Iraq	Researcher	2009
8	4 th scientific conferences of education college	Mustansiriya university-Iraq	Researchers	2010
9	1 st scientific conference for computer science and mathematics college	Tikrit university - Iraq – Tikrit,	Researcher, member of scientific committee	2012
10	4 th scientific conferences of education college for pure science	Thi Qar university - Iraq	Researcher	2013
11	1 st scientific conference of Chihan college	Erbil - Iraq	Researcher	2014
12	International Conference on Education in Mathematics, Science And Technology	Konya, Turkey	Researcher	2014
13	3 rd International Conference on Advanced Computer Science Applications and Technologies – ACSAT 2014	Amman- Jordan	Researcher	2014
14	Scientific conference of Information and Communication Technology University	Iraq- Baghdad	Researcher	Nov. 2015

15. Seminars and workshops attending

	Seminar/ workshop	Place	Date
1	Preparing to partnership between Tikrit university and Ball state university(USA)	Baghdad	2010

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2	Computer science teaching method and DVC courses	Erbil -IRAQ	2011
3	E-governance and the ways to improve it	Istanbul - Turkey	2012
4	Competency exam procedures in computer and English language to graduate students	Baghdad - Iraq	2013
5	Future directions for the use of fourth-generation networks technology in Iraq	Al-Nahrain university – Iraq	2013
6	e-governance is the solution, the solution is e-governance	Tikrit – Iraq	2013
7	Quality assurance	Tikrit – Iraq	2013
8	University educational guidance	CSMC – Tikrit – Iraq	2013
9	Strategies to questions ask and prepare tests in teaching	Tikrit university - Iraq	
10	Internal audit of quality assurance	Istanbul – Turkey	2014
11	Prepare the requirement of Internal audit of quality assurance at TU.	Tikrit university - Iraq	2014
12	Develop a partnership between Tikrit University and Ball State University program set up by the ULP organization.	Erbil - Iraq	April-2013
13	Develop a partnership program between USA universities and Tikrit university set up by the FHI 360 organization.	Erbil - Iraq	Nov.-2013
14	Infinite virtual world	Baghdad - Iraq	2015
15	Virtual reality and information security	Baghdad - Information and Communication Technology University	2016
16	Digital humanities	Baghdad University - Iraq	13/3/2016

16. Importance links

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	Type	Link
	Publons'	https://publons.com/dashboard/summary/
	ORCID	https://orcid.org/0000-0002-5016-9934
	Researchgate	https://www.researchgate.net/profile/Qasim_Hussein
	Academia	https://independent.academia.edu/QasimMohammedHusein