

**MOHAMMAD A. HASSAN**

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Computer Science**Academic Rank: Professor****Membership:**

1	General secretary of Colleges of Computing and Information Society.
2	Editor-in-Chief of "The International Arab Journal of Information Technology" - IAJIT
3	General secretary of "The Arab Conference of Information Technology" - ACIT
4	Member of the Committee \ Supervising the authoring of adult education and literacy curricula for the sixth grade subject, Ministry of Education - Jordan, 2013.

Qualifications:

1	PhD in Computer Science - University of Bradford - UK - Dec. 2003.
2	M. Sc. in Mathematics – University of Jordan – Jordan - June 1995.
3	.B. Sc. in Mathematics with minor in Computer Science – Yarmouk University – Jordan - June 1987

Employment History:

#	From	to	Nature of Work
1	9 / 2019	now	Dean of Information Technology Faculty Associate Professor • General Secretary of Colleges of Computing and Information Society. • Editor-in-Chief of "The International Arab Journal of Information Technology" – IAJIT. • General Secretary of "The Arab Conference of Information Technology" – ACIT. Zarqa University / Jordan
2	9 / 2018	9 / 2019	Associate Professor Department of Computer Science (CS) Faculty of Science and Information Technology Zarqa University / Jordan
3	9 / 2015	9 / 2018	Dean of Information Technology Faculty Associate Professor • General Secretary of Colleges of Computing and Information Society.



			<ul style="list-style-type: none"> Editor-in-Chief of "The International Arab Journal of Information Technology" – IAJIT. General Secretary of "The Arab Conference of Information Technology" – ACIT. Zarqa University / Jordan
4	9 / 2004	9 / 2015	Assistant Professor Department of Computer Science (CS) Faculty of Science and Information Technology <ul style="list-style-type: none"> Deputy Dean of Science and IT College. Head of Computer Science Department. Assistant Dean of Scientific Research College. Zarqa University / Jordan
5	2 / 1996	9 / 2004	Computer Science Instructor Math. And Computer Science Dept. Rustaq College of Education / Sultanate of Oman
6	4 / 1992	2 / 1996	Manager of Computer Section. South Group Companies / Jordan
7	9 / 1988	7 / 1990	Mathematics and Computer Teacher Doha secondary school Ministry of Education / Kuwait
8	9 / 1987	8 / 1988	Computer Science Instructor Kawarizmi Computer Center / Abu Dhabi - U.A.E.

Publications: - Journals

#	Title	Publisher	Year/ Issue (Vol/No)
1	Mohammad A.Hassan and Yaser A. Al-Lahham, "Similarity Threshold Estimation for Enhanced Text Document Clustering"	ICIC Express Letters- An International Journal of Research and Surveys - (Scopus Indexed).	Volume 16, Number 5, May 2022.
2	Mohammad A. Hassan, Ghassan Samara, and Mohammad Abu Fadda, "IOT Forensic Frameworks (DFIF, IoTDOTS, FSAIoT): A Comprehensive Study"	International Journal Of Advances in Soft Computing And its Applications (IJASCA)- (Scopus Indexed).	Vol.14, Issue 1 March 2022
3	GHASSAN SAMARA, MOHAMMAD A. HASSAN, MUNIR AL-OKOUR, "ENERGY BALANCING ALGORITHM FOR WIRELESS SENSOR NETWORK"	Journal of Theoretical and Applied Information Technology. (Scopus Indexed).	Vol 100 February 28, 2022 Issue 04
4	Ghassan Samara, Mohammad A. Hassan, and Yahya	International Journal Of Advances in Soft Computing And its	Vol.13, Issues 3 Nov. 2021



	Zayed, "A New Algorithm for Wireless Sensor Network Energy Balancing"	Applications (IJASCA)- (Scopus Indexed).	
5	Maheer O Al-Khateeb, Mohammad A. Hassan, Ibrahim Al-Shourbaji*, Muhammad Saidu Aliero. "Intelligent Data Analysis approaches for Knowledge Discovery: Survey and challenges"	<u>Elementary Education Online 20 (2021), 1782-1792. doi:10.17051/ilkonline.2021.05.196 (Scopus Indexed).</u>	Vol 20 (Issue 5): pp. 1782-1792 May. 2021
6	Moadad Imad Al-Shalout, Mohammed Rasmi, Mohammad A. Hassan, "Evaluation of E-exam during Covid-19"	PSYCHOLOGY AND EDUCATION (ISSN: 0033-3077) (Scopus Indexed)	58(1): 4604-4612 2021
7	M. Hassan, "Graph-Based Technique for Searching Structured Databases", https://www.sciencepubco.com/index.php/ijet .	International Journal of Engineering & Technology (UAE), 2019, (Scopus Indexed).	7(4.16) (2018) 297-301 Dec. 2018
8	Yaser Al-Lahham, Khawlah Matarneh, M. Hassan, "Conditional Arabic Light Stemmer: CondLight",	The International Arab Journal of Information Technology,	Vol. 17, No. 3A, Jan 2018, pp. 559-564.
9	Anas Al-Fayoumi, M. Hassan, "Interactive Visual Search System Based on Machine Learning Algorithm".	The International Arab Journal of Information Technology,	Vol. 13, No. 1A, Jan 2016, pp. 150-155.
10	Y. Hasan, M. Hassan. "Scalable Self- Organizing Structured P2P Information Retrieval Model Based on Equivalence Classes".	International Arab Journal of Information Technology,	Vol. 11, No.1 , Jan. 2014.
11	M. Hassan. "Practical Free-Form Search over Relational Databases",	International Journal of Advances in Computer Science and its Application – IJCSIA,	Vol. 2 , issue 3, Dec. 2012. pp. 169 – 173.
12	Ela Yildizer, Ali Metin Balci, Mohammad Hassan, Reda Alhajj. " Efficient content-based image retrieval using Multiple Support Vector Machines Ensemble",	Expert Systems with Applications, Elsevier Journal,	Vol. 39, issue 3, Feb.2012. pp. 2385-2396.



13	M. Hassan, Y. Hasan. "Locality Preserving Scheme of Text Databases Representative in Distributed Information Retrieval Systems",	Journal of Digital Information Management ,	Vol. 9, Number 5 , October 2011, pp.193-198.
14	M. Hassan, Y. Hasan. "Efficient Approach for Building Hierarchical Cluster Representative",	International Journal of Computer Science and Network Security – IJCSNS,	Vol. 11 No. 1 , Jan. 2011, pp. 178-184.
15	Y. Hasan, M. Hassan, M. Ridley. "Incremental transitivity Applied Cluster Retrieval".	The International Arab Journal of Information Technology,	Vol. 5, No. 3, July 2008, pp. 311-319.

Books:

#	Book Title	Publisher	Year
1	Isometries and their Applications	Arabic center for publication'-Jordan, .National Library No. 4240/12/2008	2008

Conferences:

#	Conference
1	Mohammad A. Hassan, "Relational and NoSQL Databases: The Appropriate Database Model Choice", 2021 22nd International Arab Conference on Information Technology (ACIT), IEEE-Proceedings, Dec.2021, MUSQAT, OMAN.
2	M. Hassan, "Graph-Based Technique for Searching Structured Databases", Proceedings of the 8th International Conference on Computer Science, Engineering and Technologies (ICCSET 2019), Feb. 2019 Bangkok, Thailand..
3	Yaser Al-Lahham, Khawlah Matarneh, M. Hassan, "Conditional Arabic Light Stemmer: CondLight", Proceedings of the Arab Conferenc of Information Technology (ACIT 2017), Dec. 2017, Sfax, Tunisia.
4	Yaser Al-Lahham, Fathi Al-Hatta, , M. Hassan, "An Efficient Ranking Algorithm for Scientific Research Papers". Proceedings of the Arab Conferenc of Information Technology (ACIT 2016), Dec. 2016, Beni-Mellal, Morocco .
5	Anas Al-Fayoumi, M. Hassan, "Interactive Visual Search System Based on Machine Learning Algorithm". Proceedings of the Arab Conferenc of Information Technology (ACIT 2015), Dec. 2015, Amman , Jordan.



6	M. Hassan. " Practical Free-Form Search over Relational Databases ", Proceedings of the International conference on Advances in Computing & Networking (ACN - 2012), June 2012 , Bangkok, Thailand.
7	M. Hassan, Y. Hasan . " Locality Preserving Scheme of Text Databases Representative in Distributed Information Retrieval Systems", Proceedings of the Second International Conference on 'Networked Digital Technologies' (NDT2010), July 2010. Prague, Czech Republic.
8	Y. Hasan, M. Hassan, M. Ridley. " Selecting and Evaluating Cluster Representative". Proceedings of the 4th IEEE-GCC conference, Nov. 2007. Manama, Bahrain.
9	M. Hassan, "Performance Evaluation of Database Selection Approaches". Proceedings of the 8th International Conference on Information Integration and Web-based Application & Services iiWAS2006- Yogyakarta, Indonesia, 2006.
10	M. Hassan, R. Alhajj, M. Ridley, and K. Barker. "Selection Mechanism for Locating Relevant Structured Databases in Multidatabase Environment". Proceedings of the Seventh International Conference on Information Integration and Web-based Application & Services iiWAS2005- Kuala Lumpur, Malaysia, 2005.
11	M. Hassan, R. Alhajj, M. Ridley, and K. Barker. "Simplified Access to Structured Databases by Adapting Keyword Search and Database Selection". Proceedings of ACM Symposium on Applied Computing SAC2004 - Nicosia, Cyprus, 2004.
12	M. Hassan, R. Alhajj, M. Ridley, and K. Barker. "Database Selection and Keyword Search of Structured Databases: Powerful Search for Naive Users". Proceedings of IEEE International Conference on Information Reuse and Integration, Las Vegas, USA, 2003.
13	M. Hassan, Y. Hasan. "Efficient Approach for Building Hierarchical Cluster Representative", International Journal of Computer Science and Network Security – IJCSNS, Vol. 11 No. 1 , Jan. 2011, pp. 178-184.
14	Y. Hasan, M. Hassan, M. Ridley. "Incremental transitivity Applied Cluster Retrieval". The International Arab Journal of Information Technology, Vol. 5, No. 3, July 2008, pp. 311- 319.

Supervision of Theses:

#	Year	University	Thesis Title	Student Name
1	2017	Zarqa University, Jordan	Conditional Arabic Light Stemmer: CondLight	Khawlah Matarneh
2	2016	Zarqa University, Jordan	"An Efficient "" Ranking Algorithm" for Scientific Research Papers	Fathi M. Al-Hattab
3	2015	Zarqa University, Jordan	Interactive Visual Search System Based on Machine Learning Algorithm	Anas M. Al-Fayoumi,



Personal Information

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