

Riyad Farhan Al-Shalabi, Ph.D.

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Google Scholar: https://scholar.google.com/citations?hl=ar&pli=1&user=B1dd5zAAAAAJ
Number of Research Citations: 1908 until July 2026
Date of Birth: April 1, 1964
Marital Status: Married, Five children
Nationality: Jordainian
Mobil: 962-777-645499
Number of Academic Years of Work Experience: 29 Years

EDUCATION:

- Ph.D. (1993-1996), Computer Science/ Artificial Intellegence
  Illinois Institute of Technology (IIT) (**469 QS World University Rankings**)
  Chicago, IL, USA.
  G.P.A (4.0/4.0).
- M. Sc. (1990-1992), Computer Science
  Western Michigan University (WMU)
  Kalamazoo, MI, USA.
  G.P.A (3.75/4.0).
- B. Sc. (1981-1985), Computer Science
  Yarmouk University
  Irbid, Jordan.
  G.P.A (%84.6) (First rank)

RESEARCH INTEREST:

Natural Language Processing, Information Retreival, Data Compression, Big Data, Data Mining, Encryption, Letter Recognition

CONSULTING EXPERIENCE:

- Member of the Committee Formed by Abdul Hameed Shoman Foundation to Evaluate and Select the best Researcher in the year 2019 among Researchers in all over the Arab World.
- Founder of Business Incubator at Amman Arab University
- Chairman of the Supreme Council for Business Incubator and Community Initiatives
- More than 20 years in Administrative Work.
- Chairman of the Committee to Evaluate the Entrepreneurial Projects
- Giving Several Training Sessions in Artificial Intelligence
- Giving Several Training Sessions in Windows NT Operating System in USA.
- Data Management and Strategy Consultation.
- Member of the Higher Committee to build the Strategic Plan of Amman Arab University.
- Arbitrator Member of many Promotion Forms for Faculty Members in Different Universities Around the Arab World .

ACADEMIC EXPERIENCE:

Full Professor: Jadara University-Jordan. Mar. 2025-till now
Full Professor: Irbid National University-Jordan. Oct. 2023-Feb. 2025.
Full Professor: Applied Science University-Bahrain Sep. 2021 till Aug. 2023
Full Professor: Amman Arab University-Jordan Sep. 2011 till Sep. 2019
Full Professor: University of Petra /Sep. 2010 Aug. 2011.
Full Professor: The Arab Academy for Banking & Financial Science/ Aug. 2009 till Sep. 2010.

Associate Professor: The Arab Academy for Banking & Financial Science/ Sep. 2006.
Associate Professor: Amman Al-Ahliyya University/Computer Information System department, Sep. 2005 – Sep. 2006.

Assistant Professor: Yarmouk University/ Computer Science Department, Sep. 1998 – Sep. 2005.
Assistant Professor: Robert Morris College (Chicago/USA) Sep. 1996 - June 1998.
Teaching Assistant: Department of Computer Science (IIT / Chicago/USA), Sep. 1993 - May 1996.
Teacher Assistant: Computer Science Department (WMU / USA), Sep. 1990 - Dec. 1992.
Teacher Assistant: Western Michigan University (USA), Sep. 1991- Apr. 1992.
Tutor: Western Michigan University (USA), Dec. 1990 - Aug. 1991.
Teaching Assistant: Yarmouk University / Computer Science Department, Sep. 1987 - Aug. 1990.

LIST OF ACCOMPLISHMENTS

- Dean of Research and Graduate Studies / Applied Science University-Bahrain (Sep. 2021 till Aug. 2023)
- Dean of Scientific Research and Graduate Studies / Amman Arab University, Amman-Jordan (Sep. 2014 – till Sep. 2019)
- Dean of Business college / Amman Arab University, Amman-Jordan (Sep. 2012 – Sep. 2013)
- Chairperson of Management Information System / Amman arab university, Amman-Jordan (Sep. 2011 – Sep. 2012)
- Chairperson of Computer Information System / The Arab Academy For Banking & Financial Science, Amman-Jordan (Sep. 2006 – Sep. 2010).
- Supervised Many PHD thesis students.
- Vice Dean/Information Technology College. Amman Al-Ahliyya University, Amman-Jordan (Sep. 2005 – Sep. 2006).
- Chairperson of Computer Science Department / Yarmouk University, Irbid - Jordan (Sep. 2002 – Sep. 2005).
- Prepared with other collegue a new Computer Science Curriculum (2002).
- Prepared with other collegue a new Computer Information System Curriculum (2002).
- Prepared with other collegue a new Management Information System Curriculum (2002).
- Prepared with other collegue a new Computer Science Curriculum for Master Degree (2003).
- Supervise 75 graduate students in CS department / Yarmouk University.
- A committee member of many Master's thesis.

PROJECTS:

Summer Employment: May 1995 - Aug. 1995, at (IIT/ Chicago-USA), Installation, Termination, and Certification of IEEE 802.3 10BASE-T Standards Based Cabling System. Worked on a Project to Install/Activate 10BASE-T Ethernet connections through the (IIT) main campus student Dormitories.

Class Project: Sep. 1991 - Dec. 1991, (WMU / USA), Designed and Implemented a Distributed Database System using Pascal embedded with SQL.

LANGUAGES AND SOFTWARE:

C^{++}, COBOL, Visual BASIC, SQL, FORTRAN, Lisp, MS-OFFICE, Lotus, Magic, DBASE-III+, SLAM.

SYSTEMS AND MACHINES:

VAX-VMS, SUN-UNIX, IBM-PC-DOS/WINDOWS , MACINTOSH, WANG.

TEACHING COURSES:

Under Graduate Cources:

- Visual Basic
- C++
- Computer Skills
- Fundamentals of Information Technology
- Theory of Computation
- Artificial Intellegence
- Data Communication and Computer Networks
- Operating Systems
- Compiler Design
- Database
- Computer Ethics
- System Analysis
- Cryptography and Network Security
- Data Structure

Graduate Cources:

- Advanced Artificial Intellegence
- Advanced Data Mining
- Advanced Data Science
- Data Analysis and Presentation
- Advanced Operating Systems
- Natural Language Processing
- Cryptography and Network Security
- Advanced System Analysis
- Acvanced DataBase Management
- Graduation Projects

HONORS:

- A scholarship from Yarmouk University to obtain a Ph. D. degree in Computer Science from Illinois Institute of Technology.
- Teaching Assistantship from Illinois Institute of Technology 9/1993 - 6/1996.
- A scholarship from Western Michigan University to obtain a Master degree in Computer Science.
- Graduated with high honor from Illinois Institute of Technology.
- Graduated with high honor from Western Michigan University.
- Graduated with high honor from Yarmouk University (FIRST RANK).

COMMITTEES:

- Member of the University Council / Applied Science University-Bahrain (Sep. 2021 till now).
- Member of the University Research and Innovation and Research Ethics Committee / Applied Science University-Bahrain (Sep. 2021 till now).

- Member of the University Promossion Committee / Applied Science University-Bahrain (Sep. 2021 till now).
- Member of the Dean Council /Amman Arab University (2014-till Sep. 2019).
- Member of the University Council /Amman Arab University (2014-till Sep. 2016).
- Head of Graduate Studies committee/ Amman Arab University (2014-till Sep. 2019).
- Head of Scientific Research committee/ Amman Arab University (2014-till Se.p/ 2019).
- Member of the Faculty of IT Council/ The Arab Academy For Banking & Financial Science.
- Member of the Faculty of IT Council/ Amman Alahlia University.
- Member of the Faculty of IT Council Member of the Yarmouk University Council (2004/2005).
- Member of the Yarmouk University and Society Committee.
- Member of the study Schedule Committee for the Faculty of Science, IT and Hajjawi Faculty.
- Member of the Faculty of IT Council – Yarmouk University.
- Member of Curriculum Committee.
- Member of Faculty Student Affairs Committee.
- Member of the Faculty Development and Planning Committee.
- Representative of Computer Science Department in the Faculty of Science Council.
- Member of the Scientific Committee.
- Member of the Study Schedule Committee.
- Member of the Budget Committee.
- Member of the Graduate studies Committee.
- Member of the Student Investigation Committee.
- Chairman of the Post Graduate Committee.
- Member of Comprehensive Exam Committee for Master Students.

WORKSHOPS:

- CISCO (CCAI certified).
- ICDL certified.
- Basic Web Technology Skills For Courseware Development. University of Jordan 8-12 Oct. 2000.
- Troubleshooting, Maintaining and Upgrading PCs. (Chicago, USA) 1-4 Apr. 1998.
- Network and Data Communications. Strategic Seminars, Inc. (Chicago, USA) 6-11 March 1997.
- Computer Aided Drafting AutoCad. Yarmouk University, 26-30 Jan 1988.

CHAPTERE IN BOOK:

Ghwanmeh S., Kanaan G., Al-Shalabi R., Ababneh A. (2009). An Enhanced Text-Classification-Based Arabic Information Retrieval System. **In The Book "Utilizing Information Technology Systems Across Disciplines: Advancements in the Application of Computer Science"**. Idea group Inc. (IGI), USA.

JOURNAL PUBLICATIONS:

[1] Muaidi H., Al-Shalabi R. and Alqrainy Sh. (2026). Evaluation of the PageRank Algorithm for Arabic Text Categorization. **International Journal of Electrical and Computer Engineering** (IJECE). Accepted for publication.

[2] Al-Shalabi R., Muaidi H., Al-shra'a N. (2026). Improving Fraud Detection in Financial Transactions with Convolutional Neural Networks. **International Journal of Electrical and Computer Engineering** (IJECE). Accepted for publication.

[1] H Zhang, J Xu, L Lei, Q Jianlin, Alshalabi R. (2023). A sentiment analysis method based on bidirectional long short-term memory networks. **Applied Mathematics and Nonlinear Sciences**, Vol. 8.

[2] Pan, L., Alshalabi, R., Li, P., Naminse, E., and Tan, F. (2023). Analysis of digital humanistic knowledge production based on natural language processing. **Applied Mathematics and Nonlinear Sciences.**

[3] Kanan, T., Mughaid, A., Al-Shalabi, R. et al. (2023). Business intelligence using deep learning techniques for social media contents. **Cluster Computing Journal**. 26 (2), 1285-1296.

[4] Jie D., Yuan J., Yuan W., Junfeng T., Alshalabi R. (2023). Graphical Modular Power Technology of Distribution Network Based onMachine Learning Statistical Mathematical Equation. **Applied Mathematics and Nonlinear Sciences**. Vol. 8, Nº. 1.

[5] Rasha M., Rayan A., Osama R., Ahmed E., Amr A., Ahmed I., and Alshalabi R. (2022). An Effective Data Science Technique for IoT-Assisted Healthcare Monitoring System with a Rapid Adoption of Cloud Computing. **Computational Intelligence and Neuroscience**. Vol. 2022.

[6] A Maqbool, C Sharma, MA Lone, Alshalabi R. (2022). Intuitionistic Fuzzy Programming Technique to Solve Multi-objective Transportation Problem. **Information Sciences letters**. Vol 11.

[7] El-Saka, H., Arfa, A., Alshalabi, R., & Gouda, M.(2022). Dynamical Analysis of a Fractional SIRS Model on Complex Heterogeneous Networks. **Information Sciences Letters.** Vol. 11, No. 1, 29-36.

[8] Maqbool A., Sharma Ch., Lone, M., and Alshalabi, R. (2022). Intuitionistic Fuzzy Programming Technique to Solve Multi- Objective Transportation Problem. **Information Sciences Letters Journal**: Vol. 11 : Iss. 4.

[9] G Ma, Q Guo, Alshalabi R. (2022). Data structure simulation for the reform of the teaching process of university computer courses. **Applied Mathematics and Nonlinear Sciences.**

[10] J Sun, K Yang, Alshalabi R. (2022). The Security of Database Network Model Based on Fractional Differential Equations. **Applied Mathematics and Nonlinear Sciences.**

[11] Al-Shalabi R. (2022). A Priority Based Approach for Stemming Arabic Word. **Applied Science University Journal**. Vol. 6 No. 2.

[12] S Xu, L Chen, Alshalabi R. (2022). Information transmission simulation of Internet of things communication nodes under collision free probability equation. **Applied Mathematics and Nonlinear Sciences.**

[13] Kanan, T., Kanan, G., Alshalabi, R., & Aldaaja, A. (2021). Offensive Language Detection in Social Networks for Arabic Language Clustering Techniques. **International Journal of Advances in Soft Computing and its Applications (IJASCA).** Vol. 13, Issues 2.

[14] Zamzam, H. & Al-Shalabi, R. (2019**).** The Impact of Management Information Systems on Business Intelligence. **Amman Arab University Research Journal.** Vol. 2, No. 1.

[15] Alsmearat, K., Al-Ayyoub, M., Al-Shalabi, R., & Kanaan, G. **(2017).** Author gender identification from Arabic text. **Journal of Information Security and Applications**. Vol. 35, 85-95.

[16] Altaha, A., and Al-Shalabi, R. (2017). The Impact of Management Information Systems on the Enhancement Lean Production in Industrial Companies. **Arab Journal of Sciences & Research Publishing**. Vol. 1, No. 7.

[17] Nuseir A., Al-Ayyoub M., Al-Kabi M., Kanaan G., and Al-Shalabi R. (2017). Improved Hierarchical Classifiers for Multi-Way Sentiment Analysis. **The International Arab Journal of Information Technology (IAJIT),** 14.

[18] Al-Rawashdeh, M., Al-Shalabi, R. (2017). The Impact of Management Information Systems on the Enhancement of Transparency in Jordanian Ministry of Youth. **Amman Arab University Research Journal**. Vol. 1, No. 1.

[19] Alzubi, A., Kanaan G., Kanaan T., and Al-Shalabi R**.** (2016). Routing Protocols In Large Scale Wireless Sensor Networks –A Survey. **International Journal of Advenced Studies in Computer Science and Engineering.** Vol. 5, issue 11.

[20] Aldabbas O., Al-Shalabi R, Kanaan G., Shehab M., Albadarneh M., and Mahyoub N. (2016). Arabic Light stemmer Based on regular Expression technique. **International Journal of Advenced Studies in Computer Science and Engineering.** Vol. 5, issue 11.

[21] Al-Ayyoub, M., Nuseir, A., Kanaan, G., and Al-Shalabi, R. (2016). Hierarchical Classifiers for Multi-Way Sentiment Analysis of Arabic Reviews. **International Journal of Advanced Computer Science and Applications**, *7*(2), 531-539.

[22] Ghazi R., Al-Shalabi R., Kanaan G. and Nassar A. (2015)**.** Different Classification Algorithms Based on Arabic Text Classification: Feature Selection Comparative Study. **International Journal of Advanced Computer Science and Applications**. Vol. 6, No. 2.

[23] Najadat, F., Kanaan, G., Kanaan, R., Aldabbas, O., and Al-Shalabi, R. (2013). Genetic Algorithm Solution of the Knapsack Problem Used in Finding Full Issues in the Holy Quran Based on the Number (19). **Computer and Information Science 6**(2): 18-30.

[24] Ababneh, M., Al-Shalabi, R., Kanaan, G., and Al-Nobani, A. (2012). Building an effective rule-based light stemmer for arabic language to improve search effectiveness. **The International Arab Journal of Information Technology. 9**(4): 368-372.

[25] Al-Shalabi, R., Kanaan, G., Al-Sarayreh, B., Khanfar, K., Al-Ghonmein, A., Talhouni, H., and Al-Azazmeh, S. (2011). Proper Noun Extracting Algorithm for Arabic Language. **International Journal of the Computer, the Internet and Management**, Volume 19 No. 1.

[26] Hmeidi, I., Al-Shalabi, R., Al-Taani, A., Najadat, H., and Al-Hazaimeh, Sh. (2010), A novel approach to the extraction of roots from Arabic words using bigrams. **JASIST**: **583~591**

[27] Kanaan G., Hammouri A., Al-Shalabi R., and Sawalha M. (2009). A New Question answering System for the Arabic Language. **American Journal of Applied Sciences**. 5(4): 797-805.

[28] Al-Kabi M., Kanaan G., Al-Shalabi R., Zaghal N., Salah Z., and Hammad M. **(2009).** Stem-Based Query expansion for Arabic Corpus**. Abhath Al-Yarmouk Journal: Basis Sci. & Eng.,** 18(2): 227-246.

[27] Al-Shalabi R., Ghwanmeh S., Kanaan G., and Nour F. (2009). Effect of Excessive Letter Location in Arabic Lexical Items: a Stemmer Algorithm Approach. **Abhath Al-Yarmouk Journal: Basis Sci. & Eng.,** 18(1).

[30] Ghwanmeh, S., Kanaan, G., Al-Shalabi, R., and Rabab'ah, S. (2009). Enhanced Algorithm for Extracting the Root of Arabic Words. **In CGIV** 388-391.

[31] Kanaan G., Al-Shalabi R., Ghwanmeh S., and Al-Ma'adeed H. (2008). A Comparison of Text Classification Techniques Applied to Arabic Language. **Accepted for publication in Journal of American Society for Information Science and Technology (JASIST).**

[32] Ghwanmeh S., Al-Shalabi R. and Kanaan G. (2008). Enhanced Data Security Scheme using Key Position Algorithm Applied on arabic Language**. Abhath Al-Yarmouk Journal: Basis Sci. & Eng.,** 17(1B): 165-176.

[33] Abu Shaar, S, Masoud, F., Murad, A., Al-Shalabi, R., Kanaan, G. (2006). Analysis of Enhanced Associativity Based Routing Protocol. **Journal of Computer Science,** 12(2): 853-858.

[34] Ghwanmeh S., Al-Shalabi R. and Kanaan G. (2006). "Efficient Data Compression Scheme using Dynamic Huffman Code Applied on Arabic Language", **American Journal of Applied Sciences**, 3(12): 887-890.

[35] Ghwanmeh S., Al-Shalabi R., Kanaan G., and Alnemi L. (2006). Enhanced Neural Networks Model Based on a Single Layer Linear Counterpropagation for Prediction and Function Approximation, **Information Technology Journal,** 5(1): 45-50.

[36] Ghwanmeh S., Kanaan G., Al-Shalabi R., Kan'an T. and Al-Azzam O. (2005). Mining Text in the Arabic Language Keywords Distribution, **Abhath Al-Yarmouk Journal: Basis Sci. & Eng.,** 4(2): 339-355.

[37] Ghwanmeh S., Kanaan G., Al-Shalabi R., Gharaibeh J. and Samara S. (2005). Comparison between Inverted and Signature Files based on Arabic Documents, **International Journal of Applied Science and Computations,** 12(3): 174-193.

[38] Ghwanmeh S., Kanaan G., Al-Shalabi R. and Alsrehin N. (2005). Automatic Query Expansion for Arabic Text Retrieval System Based on an Association Clustering Thesaurus, **Information Technology Journal**. 4(4): 476-483.

[39] Al-Shalabi, R. and Kanaan, G. (2005). Constructing An Automatic Lexicon for Arabic Language. **International Journal of Computing and Information Sciences - (*IJCIS*)**. 2(2):114-128.

[40] Al-Shalabi, R., Kanaan, G., Abu-Alrub, M., Nahar, K., and Al-Modallal, M. (2005). N-Gram: a Method of Conflating Terms, An Approach to Text Categorization and Question Answering Systems in the Arabic Language. **International Journal of Applied Science & Computations**. 12(1).

[41] Kanaan, G., Al-Shalabi, R., Abu-Alrub, M., and Rawashdeh, M. (2005). Relevance Feedback: Experimenting with a Simple Arabic Information Retrieval System with Evaluation. **International Journal of Applied Science & Computations.** 12(2).

[42] Kanaan, G., Al-Shalabi, R., and Al-Kabi, M. (2005). New Approach for Extracting Quadrilateral Arabic Roots. **Abhath Al-Yarmouk, Basic Science and Engineering.** Vol 14(1): 51-66.

[43] Kanaan, G., Al-Shalabi, R., and Sawalha, M. (2005). Improving Arabic Information Retrieval Systems Using Part of Speech Tagging. **Information Technology Journal.** 4(1): 32-37.

[44] Al-Shalabi, R., Kanaan, G., Hilat, I., Ababneh, A., and Al-Zubi, A. (2005). Experiments with the Successor Variety Algorithm Using the Cutoff and Entropy Methods. **Information Technology Journal**. 4(1): 55-62.

[45] Al-Kabi, M., Kanaan, G., Al-Shalabi, R., Nahar, K., and Bani-Ismail, B. (2005). Statistical Classifier of the Holy Quran Verses (Fatiha and Yaseen Chapters). **Journal of Applied Sciences.** 5(3): 580-583.

[46] Al-Kabi, M., Kanaan, G., Al-Shalabi, R., Al-Sinjilawi, S., and Al-Mustafa, R. (2005). Al-Hadith Text Classifier. **Journal of Applied Sciences.** 5(3): 584-587.

[47] Kanaan, G., Al-Shalabi, R., Al-Zamil, M., and Saifan, A. (2004). Comparison between Ad-hoc Retrieval and Filtering Retrieval using Arabic Documents. **International Journal of Computer Processing of Oriental Languages.** 17(3): 1-19.

[48] Al-Shalabi, R., Kanaan, G., and Maghayreh, E**. (2003).** Bottom-Up Chart Parser for Arabic Sentences. **International Journal of Applied Science & Computations.** 10(2):100- 109.

[49] الشلبي، رياض و كنعان، غسان و الجراح، أحمد. (2003). نظام حاسوبي لتحليل بحور الشعر العربي ومعرفتها. أبحاث اليرموك **"سلسلة العلوم الأساسية والهندسية".** 12(2): 37-60.

CONFERENCES:

[1] Hilat F., and Alshalabi R. (2026). A Deep Learning Approach to Political Sentiment Analysis Using Natural Language Processing. **International Conference on Smart Multidomain Integrated Learning Environments, Jordan,** IEEE Explore.

[2] Migdady A., and Alshalabi R. (2026). Detecting AI-Generated Text Using Multilingual DistilBERT Fine-Tuning on the Kaggle AI vs Human Dataset. **International Conference on Smart Multidomain Integrated Learning Environments**, Jordan, IEEE Explore.

[3] Al–Shalabi R., G. Kanaan, T. Kanan and M. ElBes (2022). A Review Study for Arabic Machine Learning and Deep Learning Methods. **2022 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS)**, Manama, Bahrain, 2022, pp. 225-232.

[4] K. W. Al-Mansoori and Al-Shalabi R. (2022). Sentiment Analysis Algorithm for Arabic Reviews on the Movies Domain. **2022 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS)**, Manama, Bahrain, 2022, pp. 126-130.

[5] A. K. Jassim AL-Shamary, Q. M. Yas, A. M. Badr, AlShalabi R. and S. H. Aldulaimi (2022). Multi Criteria Decision Making Technique for Evaluation and Selection performance Large

Scale Data of Composite Materials, **2022 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS)**, Manama, Bahrain, 2022, pp. 96-103.

[6] J. Alawadhi, A. M. AlJanabi, M. A. Khder, B. J. A. Ali and R. F. Al–Shalabi (2022). Internet of Things (IoT) Security Risks: Challenges for Business, **2022 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS)**, Manama, Bahrain, pp. 450-456.

[7] R. Al–Shalabi, G. Kanaan, T. Kanan and M. ElBes (2022). A Review Study for Arabic Machine Learning and Deep Learning Methods, **2022 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS)**, pp. 225-232, doi: 10.1109/ICETSIS55481.2022.9888948.

[8] K. W. Al-Mansoori and R. Al-Shalabi (2022). Sentiment Analysis Algorithm for Arabic Reviews on the Movies Domain, **2022 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems *(ICETSIS)***, pp. 126-130, doi: 10.1109/ICETSIS55481.2022.9888804.

[9] A. K. Jassim AL-Shamary, Q. M. Yas, A. M. Badr, R. A. Shalabi and S. H. Aldulaimi (2022). Multi Criteria Decision Making Technique for Evaluation and Selection performance Large Scale Data of Composite Materials, **2022 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS)**, pp. 96-103, doi: 10.1109/ICETSIS55481.2022.9888862.

[10] J. Alawadhi, A. M. AlJanabi, M. A. Khder, B. J. A. Ali and R. F. Al–Shalabi (2022). Internet of Things (IoT) Security Risks: Challenges for Business, ***2022 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS)***, pp. 450-456, doi: 10.1109/ICETSIS55481.2022.9888930.

[11] Kanan, T., AbedAlghafer, A., Kanan, G., Alshalabi, R., Elbes, M., & Alzubi, S. (2021). Arabic Text Categorization: A Com[arison Survey. **International Conference on Information Technology (ICIT)**. Amman-Jordan.

[12] Al-Shalabi R., Kanaan, G., Al-Sarhan, H., Drabsh A., & Al-Husban I. (2017). Evaluating Machine Translations From Arabic Into English And Vice Versa". **3rd International Conference on Engineering, Management, Technology and Science 2017 (ICEMTS).** Dubi.

[13] Al-Sameraee, Sh., and Al-Shalabi, R. (2016). The Relationship between Trust Factors and Users Satisfaction in E-Commerce Service. **The First International Conference on Business "New Trends of Business"**. Amman-Jordan.

[14] Zubi, A., Kanaan G., Alshalabi R., Kanaan T. (2016). Routing Protocols In Large Scale Wireless Sensor Networks – A Survey. **The First International Computer sciences and Informatics conference**. Amman-Jordan.

[15] Alsmearat K., Shehab M., Al-Ayyoub M., Al-Shalabi R., and Kanaan G. **(2015).** Emotion Analysis of Arabic Articles and Its Impact on Identifying the Author's gender. **The 12th ACS/IEEE International Conference On Computer Systems And Applications (AICCSA 2015)**. Marrakech-Morocco.

[16] Alsmearat K., Al-Ayyoub M., and Al-Shalabi R. (2014). An Extensive Study of the Bag-of-Words Approach to Gender Identification of Arabic Articles. **The 11th ACS/IEEE International Conference On Computer Systems And Applications (AICCSA 2014)**. Doha-Qater

[17] Abu Hilal T., Abu Hilal H., Al Shalabi R., and Daqrouq K. (2011). Speaker Verification System Using Discrete Wavelet Transform And Formants Extraction Based On The Correlation Coefficient. **Procceding of International Multiconference of Engineers and Computer Scientists (IMECS 2011)** Vol. II. Hong Kong.

[18] Al-Sarrayrih H., and Al-Shalabi R. (2009). Clustering arabic Documents Using Frequent Itemset-Based Hierarchical Clustering with N-Grams. **The International Conference on Information Technology** (**ICIT'2009)** .Amman- Jordan .

[19] Kanaan G., Yaseen M., Al-Shalabi R., Al-Sarayreh B. and Mustafa A. (2009). Using EM for Text Classification on Arabic Documents**. 2nd International Conference on Arabic Language Resources and Tools**. Cairo.

[20] Al-Shalabi R., Kanaan G., Yaseen M., Al-Sarayreh B. and A. Al-Naji N. (2009). **Arabic Query Expansion Using Interactive Word Sense Disambiguation**. 2nd International Conference on Arabic Language Resources and Tools. Cairo

[21] Al-Shalabi R., Kanaan G., Al-Sarayreh B., Al-Gonmein A., Talhoni H., and Al-Azazmeh S. (2008). Proper Noun Extracting Algorithm for Arabic language. **ACIT 2008**. Tunisia.

[22] Al-Shalabi R., Obeidat R., (2008). Improving KNN Arabic Text Classification with N-Grams Based Document Indexing. **Proceedings of the Sixth International Conference on Informatics and Systems**. March 27-29, 2008. Cairo, Egypt.

[23] Titi K., Al-aani S., Al-Shalabi R., (2007). A Total Security Model for e-Education. **Proceedings of the 8th International Arab Conference on Information Technology (ACIT 2007).** Nov. 26-28, 2007**.** Lattakia-Syria.

[24] Al-Shalabi R., Al-aani S., Titi K., (2007). Secure Infrastructure for Applying E-Education Process Challenges and Solutions. **Proceedings of the LINC 2007 Conference.** Oct. 27, 2007**.** Dead See-Jordan.

[25] Al-Shalabi R., Al-aani S., Titi K., (2007). A comprehensive Secure Model for E-Learning Process. **Proceedings of the NaCSES'07 Conference.** Aug. 20-21, 2007**.** Malaysia.

[26] Al-Shalabi R., Kanaan G., Ghwanmeh S., and Nour, F. (2007). Stemmer Algorithm for Arabic Words Based on Excessive Letter Locations. **Proceedings of the 4th International**

Conference on Innovations in Information Technology. Nov 18-20, 2007. Dubi, United Arab Emirates.

[27] Ghwanmeh S., Kanaan G., Al-Shalabi R., and Ababneh A. (2007). Enhanced Arabic Information Retrieval System based on Arabic Text Classification. **Proceedings of the 4th International Conference on Innovations in Information Technology.** Nov 18-20, 2007. Dubi, United Arab Emirates.

[28] Al-Yaseen, M., Kanaan, G., Al-Shalabi R., Kanaan T. and Bsoul A**.** (2007). Applying Partition Around Medoids like Clustering Algorithm for Enhancing Retrieval Processes in Arabic Text using different Similarity Measures. **Proceedings of the Information and Communication Technologies International Symposium ICTIS'07**. Fez-Morocco.

[29] Kanaan, G., Al-Shalabi R., Bsoul A., and Kanaan T. (2007). Arabic-English Cross-Language Information Retrieval using Latent Semantic Indexing with Singular-Value Matrix Decomposition. **Proceedings of the Information and Communication Technologies International Symposium ICTIS'07**. Fez-Morocco.

[30] Kanaan G., Al-Shalabi R., and Al-Akhras A. (2006). KNN Arabic Text Categorization Using IG Feature Selection. **Proceedings of the 4th International Multiconference on Computer Science and Information technology (CSIT)**. Amman, Jordan.

[31] Al-Shalabi R., Kanaan G., and Gharaibeh M. (2006). Arabic Text Categorizaion Using KNN Algorithm. **Proceedings of the 4th International Multiconference on Computer Science and Information technology (CSIT)**. Amman, Jordan.

[32] Ghwanmeh S., Al-Shalabi R., Kanaan G., Khanfar K. and Rabab'ah S. (2005). An Algorithm for extracting the Root of Arabic Words. **Proceedings of the 5th International Business Information Management Conference (IBIMA).** Cairo, Egypt.

[33] Kanaan G., Al-Shalabi R., Al-Azzam O. (2005). Automatic Text Classification Using Naïve Bayesian Algorithm on Arabic Language. **Proceedings of the 5th International Business Information Management Conference (IBIMA)**. Cairo, Egypt.

[34] Al-Shalabi R., Kanaan G., Jahjah L. (2005). Question Answering Arabic System based on Passage Selection. **Proceedings of the 5th International Business Information Management Conference (IBIMA)**. Cairo, Egypt.

[35] Al-Shalabi, R., Kanaan, G., Al-Jaam, J., Hasnah, A., and Helat, E. (2004). Stop-Word Removal Algorithm for Arabic Language**. Proceedings of The 1st International Conference on Information & Communication Technologies: from theory to Applications-ICTTA'04**. Damascus, Syria.

[36] Al-Shalabi, R., Kanaan, G., and Alqrainy, S. (2003). An Automatic System for Extracting Nouns from a Vowelized Arabic Text. **Proceeding of the International Arab Conference on Information Technology**. Alexandria, Egypt.

[37] Al-Shalabi, R., Kanaan, G., and Muaidi, H. (2003). New Approach for Extracting Arabic Roots. **Proceeding of the International Arab Conference on Information Technology**. Alexandria, Egypt.

[40] Kanaan, G., Al-Shalabi, R., and Sawalha, M. (2003). Full Automatic Arabic Text Tagging system. **Proceedings of the International Conference on Information Technology and Natural Science**. Amman, Jordan.

[41] Al-Shalabi, R., and Evens, M. (1998). A Computational Morphology System for Arabic. **Proceedings of COLONG-ACL 98**. Montreal, Canada.

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- PhD thesis title: An Efficient Security Model for Mobile-Learning Tool and Strategies for Mobile Security. 2009
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- PhD thesis title: Consumers' Attitudes Twards Mobile Banking in Jordan. 2009.
- PhD thesis title: Strategic Alignment Between Business and Information Technology Based on Knowledge Based View and Dynamic Capabilites Approach. 2009.
- PhD thesis title: An Integration Security model for E-Learning; Roadmap, Tools, Consideration and Strategies for Protection. 2008.
- PhD thesis title: Clustering Arabic Documents using Frequent Item set-based Hierarchal Clustering with an n-Gram. 2008.
- PhD thesis title: Recursive Transition Network Parser with Agreement Feature for Arabic Language. 2008.
- PhD thesis title: Metrics Based Evaluation of Computer Information Systems Useability Quantity. 2008.
- Supervised Many Master Thesis

PUBLISHED BOOKS:

[1] Alkarasneh A., Kanaan G., Alshalabi R., Hirzallah N. (2003) Management Information Systems.

[2] Alshalabi R., Kanaan G., Alrawash M., Saafan A. (2005). Applications in Computer and Statistic.

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