

Academic Resume



Mohamed Dahab

Associate Professor, Computer Science Department

Contact Information.

Building 31, Room 153, Ext. 67495, mdahab@kau.edu.sa.

Highest Degree.

2007, Ph.D. in Computer Science, Text Mining, Cairo University, Egypt.

Academic and Professional Experiences.

1. **2009 - Present**
Assistance Professor, FCIT, K.A.U..
2. **2009 - Present**
Assistant Professor , FCIT, K.A.U..
3. **2007 - 2009**
Lecturer, Faculty of Computers and Information (FCI), Cairo University.
4. **2007 - 2009**
Assistance Professor (Part time), FCI, The Faculty of Computers and Information (FCI), Cairo University.
5. **2007 - 2008**
Knowledge Engineer, not found, The Ministry of Planning at Kuwait .
6. **2006 - 2009**
CHAIR OF EXPERT SYSTEMS DEPARTMENT, CLAES, The Central Laboratory for Agricultural Expert Systems (CLAES).
7. **2006 - 2009**
Chairman, The Central Laboratory for Agricultural Expert Systems (CLAES), Ministry of Agriculture.
8. **2005 - 2006**
Knowledge Engineer, ICARDA, The International Center for Agricultural Research in Dry Areas .
9. **2005 - 2006**
Knowledge Engineer, not found, The International Center for Agricultural Research in Dry Areas (ICARDA).
10. **2004 - 2005**
Instructor, not found, GammaNet Companies.
11. **1996 - 2005**
Associative Researcher and System Analyst, CLAES, The Central Laboratory for Agricultural Expert Systems (CLAES).
12. **1996 - 2005**
Associative Researcher and System Analyst, The Central Laboratory for Agricultural Expert Systems (CLAES), Ministry of Agriculture.

Academic and Professional Experiences.

13. **1994 - 1996**

Programmer and System Analyst, not found, SOFTeC Company.

14. **1989 - 1994**

Auditor, not found, The Central Auditing Organization (CAO) .

Research Interests.

Artificial Intelligence, Information Retrieval, Feature Selection, Natural Language Processing, Ontology, Information Extraction.

Teaching Interests.

Computer Graphics, Concepts of Programming Languages, Discrete Mathematics, Knowledge bases and Expert Systems.

Certifications and Trainings.

Social, Scientific and Professional Affiliation.

1. -, Member, .
2. -, Member, .

Publications.

1. Rayan A. Alsemmeari, Mohamed Yehia Dahab, Badraddin Alturki, Abdulaziz A. Alsulami, "Priority Detector And Classifier Techniques Based On Ml For The Iomt", Computers, Materials & Continua, vol: 76, pp. 1853-1870, 2023.
DOI: [10.32604/cmc.2023.038589](https://doi.org/10.32604/cmc.2023.038589)
2. Rayan A. Alsemmeari, Mohamed Yehia Dahab, Badraddin Alturki, Abdulaziz A. Alsulami, Raed Alsini, "Towards An Effective Service Allocation In Fog Computing", Sensors, vol: 23, pp. 7327, 2023.
DOI: [10.3390/s23177327](https://doi.org/10.3390/s23177327)
3. Rayan A. Alsemmeari, Mohamed Yehia Dahab, Abdulaziz A. Alsulami, Badraddin Alturki, Sultan Algarni, "Resilient Security Framework Using Tnn And Blockchain For Iomt", Electronics, vol: 12, pp. 2252, 2023.
DOI: [10.3390/electronics12102252](https://doi.org/10.3390/electronics12102252)
4. Maha Mesfer Meshref Alghamdi, Mohammed Yehia Hassan Dahab, Naael Homoud Abdulrahim Alazwary, "Enhancing Deep Learning Techniques For The Diagnosis Of The Novel Coronavirus (Covid-19) Using X-Ray Images", Cogent Engineering, vol: 10, 2023.
DOI: [10.1080/23311916.2023.2181917](https://doi.org/10.1080/23311916.2023.2181917)
5. Huda Basloom, Mohamed Dahab, Abdullah Saad AL-Ghamdi, Fathy Eassa, Ahmed Mohammed Alghamdi, Seif Haridi, "A Parallel Hybrid Testing Technique For Tri-Programming Model-Based Software Systems", Computers, Materials & Continua, vol: 74, pp. 4501-4530, 2023.
DOI: [10.32604/cmc.2023.033928](https://doi.org/10.32604/cmc.2023.033928)
6. Huda S. Basloom, Mohamed Y. Dahab, Ahmed M. Alghamdi, Fathy E. Eassa, Abdullah S. AL-Malaise AL-Ghamdi, Seif Haridi, "Errors Classification And Static Detection Techniques For Dual-Programming Model (Openmp And Openacc)", Ieee Access, pp. 1-1, 2022.
DOI: [10.1109/ACCESS.2022.3219406](https://doi.org/10.1109/ACCESS.2022.3219406)
7. Maha Mesfer Meshref Alghamdi, Mohammed Yehia Hassan Dahab, "Diagnosis Of Covid-19 From X-Ray Images Using Deep Learning Techniques", Cogent Engineering, vol: 9, 2022.
DOI: [10.1080/23311916.2022.2124635](https://doi.org/10.1080/23311916.2022.2124635)
8. Majed S. Alsayfi, Mohamed Y. Dahab, Fathy E. Eassa, Reda Salama, Seif Haridi, Abdullah S. Al-Ghamdi, "Big Data In Vehicular Cloud Computing: Review, Taxonomy, And Security Challenges", Elektronika Ir Elektrotehnika, vol: 28, pp. 59-71, 2022.
DOI: [10.5755/j02.eie.30178](https://doi.org/10.5755/j02.eie.30178)
9. Majed S. Alsayfi, Mohamed Y. Dahab, Fathy E. Eassa, Reda Salama, Seif Haridi, Abdullah S. Al-Ghamdi, "Securing Real-Time Video Surveillance Data In Vehicular Cloud Computing: A Survey", Ieee Access, pp. 1-1, 2022.
DOI: [10.1109/ACCESS.2022.3174554](https://doi.org/10.1109/ACCESS.2022.3174554)
10. Mohamed Yehia Dahab, Omar A. Batar, Muazzam Siddiqui, Reda Mohamed Salama Khalifa, "Word Embeddings Based On Spectral Analysis: A Novel Approach", International Journal Of Information Technology And Language Studies, 2021.
11. Ahood Naif Alharbi, Mohamed Dahab, "An Improvement In Branch And Bound Algorithm For Feature Selection", International Journal Of Information Technology And Language Studies (Ijittls), 2020.
12. Batarfi, Omar Abdullah; Dahab, Mohamed Y; Siddiqui, Muazzam A, "Further Investigations On Developing An Arabic Sentiment Lexicon", 4, 2019.
13. Sahar Alwadei, Mohamed Dahab, Mahmoud Kamel, "High Performance Ga-Lda Feature Selection Model For Brain Computer Interface Data", International Journal Of Information Technology And Language Studies (Ijittls), 2019.
14. Ahood Naif Alharbi, Mohamed Dahab, "Comparative Study On Fast Feature Selection", International Journal Of Information Technology And Language Studies, 2018.

Publications.

15. Asma–A Ibrahim Al Ibrahim, Gibrael Abosamra, Mohamed Yehia Dahab, "Real-Time Anomalous Behavior Detection Of Students In Examination Rooms Using Neural Networks And Gaussian Distribution", International Journal Of Scientific And Engineering Research, 2018.
16. Mohammed Arafa, Mohamed Yehia Dahab, "Proposing A Capability Maturity Model Toward Adopting Cloud Services", International Journal Of Scientific And Engineering Research, 2018.
17. Sahar Alwadei, Mohamed Dahab, Mahmoud Kamel, "A Feature Selection Model Based On High-Performance Computing (Hpc) Techniques", International Journal Of Computer Applications, vol: 180, pp. 11-16, 2017.
DOI: [10.5120/ijca2017916054](https://doi.org/10.5120/ijca2017916054)
18. Mohamed Yehia Dahab, Sara Alnofaie, Mahmoud Kamel, "A Tutorial On Information Retrieval Using Query Expansion", vol: 740, pp. 761-776, 2017.
DOI: [10.1007/978-3-319-67056-0_35](https://doi.org/10.1007/978-3-319-67056-0_35)
19. Mohamed Yehia Dahab, Mahmoud Kamel, Sara Alnofaie, "An Empirical Study Of Documents Information Retrieval Using Dwt", vol: 740, pp. 251-264, 2017.
DOI: [10.1007/978-3-319-67056-0_13](https://doi.org/10.1007/978-3-319-67056-0_13)
20. Salma Faiz, Mohammed Dahab, "Sentiment Detection, Recognition And Aspect Identification", International Journal Of Computer Applications, vol: 177, pp. 31-38, 2017.
DOI: [10.5120/ijca2017915675](https://doi.org/10.5120/ijca2017915675)
21. Hanan Al-Mofareji, Mahmoud Kamel, Mohamed Y. Dahab, "Wedocwt: A New Method For Web Document Clustering Using Discrete Wavelet Transforms", Journal Of Information & Knowledge Management, vol: 16, pp. 1750004, 2017.
DOI: [10.1142/S0219649217500046](https://doi.org/10.1142/S0219649217500046)
22. Mohamed Y., Ablah AlAmri, Bayan Bagasi, Ebtesam AlMalki, Ola AlBeshri, "Automatic Identifying Rhythm Of Arabic Poem", International Journal Of Computer Applications, vol: 153, pp. 21-36, 2016.
DOI: [10.5120/ijca2016911956](https://doi.org/10.5120/ijca2016911956)
23. Huda Omar, Mohammed Dahab, Mahmoud Kamal, "Stemmer Impact On Quranic Mobile Information Retrieval Performance", International Journal Of Advanced Computer Science And Applications, vol: 7, 2016.
DOI: [10.14569/IJACSA.2016.071218](https://doi.org/10.14569/IJACSA.2016.071218)
24. Mohamed Yehia Dahab, Mahmoud Kamel, Sara Alnofaie, "Further Investigations For Documents Information Retrieval Based On Dwt", vol: 533, pp. 3-11, 2016.
DOI: [10.1007/978-3-319-48308-5_1](https://doi.org/10.1007/978-3-319-48308-5_1)
25. Sara Alnofaie, Mohammed Dahab, Mahmoud Kamal, "A Novel Information Retrieval Approach Using Query Expansion And Spectral-Based", International Journal Of Advanced Computer Science And Applications, vol: 7, 2016.
DOI: [10.14569/IJACSA.2016.070950](https://doi.org/10.14569/IJACSA.2016.070950)
26. Mohamed Y., Asma–a Al, Rihaab Al-Mutawa, "A Comparative Study On Arabic Stemmers", International Journal Of Computer Applications, vol: 125, pp. 38-47, 2015.
DOI: [10.5120/ijca2015906129](https://doi.org/10.5120/ijca2015906129)
27. Mohammed Dahab, Salma Al Asmari, "Towards Discovering The Sentiment Holder In Arabic Text", International Journal Of Computer Applications, vol: 111, pp. 12-18, 2015.
DOI: [10.5120/19621-1301](https://doi.org/10.5120/19621-1301)
28. Ahmed Radhwan, Mahmoud Kamel, Mohammed Y. Dahab, Aboul Ella Hassanien, "Forecasting Exchange Rates", International Journal Of Rough Sets And Data Analysis, vol: 2, pp. 38-57, 2015.
DOI: [10.4018/ijrsda.2015010103](https://doi.org/10.4018/ijrsda.2015010103)

Publications.

29. Fawaz H.H. Mahyoub, Muazzam A. Siddiqui, Mohamed Y. Dahab, "Building An Arabic Sentiment Lexicon Using Semi-Supervised Learning", Journal Of King Saud University - Computer And Information Sciences, vol: 26, pp. 417-424, 2014.
DOI: [10.1016/j.jksuci.2014.06.003](https://doi.org/10.1016/j.jksuci.2014.06.003)
30. Mohamed Dahab, "Towards Detecting Outliers In Arabic Web Text Messages", , 2011.
31. M Dahab, AM Idrees, HA Hassan, A Rafea, "Pattern-Based Concepts Extraction Form Arabic Documents", International Journal Of Intelligent Computing And Information Science, vol: 10, Number 2, 2010.
32. Mohamed Dahab, "Automatic Transliteration Of An Arabic Dictionary", , 2009.
33. M DAHAB, H HASSAN, A RAFEA, "Textontoex: Automatic Ontology Construction From Natural English Text", Expert Systems With Applications, vol: 34, pp. 1474-1480, 2008.
DOI: [10.1016/j.eswa.2007.01.043](https://doi.org/10.1016/j.eswa.2007.01.043)
34. Mohamed Yehia Dahab, Hesham A Hassan, Ahmed Rafea, "Textontoex: Automatic Ontology Construction From Natural English Text", Expert Systems With Applications, 2007.
35. Mohamed Dahab, "Rapid Generation Of Plant Protection Expert Systems", , 2006.
36. Mohamed Dahab, "Doatool: Domain Ontology Acquisition Tool", , 2006.
37. Mohamed Dahab, "Artificial Intelligence And Machine Learning", , 2006.
38. Mohamed Dahab, "World Congress On Computers In Agriculture", , 2006.
39. Mohamed Dahab, "An Approach For Building Generic Diagnosis Model In Agricultural Domain", , 2004.
40. Mohamed Dahab, "Domain Ontology Acquisition Tool", , 2004.
41. Soliman A Edrees, Ahmed Rafea, Ibrahim Fathy, Mohamed Yahia, "Neper: A Multiple Strategy Wheat Expert System", Computers And Electronics In Agriculture, 2002.
42. Mohamed Dahab, "Developing Strategic Expert Systems Using Multiple Design Approach", , 2001.