



Dhiaa Abdulrab Ali Musleh

Assistant Professor

Personal Data

Nationality | Yemeni

Date of Birth | 01/01/1976

Department | Computer Science

College | Computer Science and Information Technology (CCSIT)

Imam Abdulrahman Bin Faisal University (IAU)

Official IAU Email | damusleh@iau.edu.sa

Language Proficiency

Language	Read	Write	Speak
Arabic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
English	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
May, 2016	Doctorate	King Fahd University of Petroleum and Minerals (KFUPM)	Dhahran, Saudi Arabia
May, 2010	Master	King Fahd University of Petroleum and Minerals (KFUPM)	Dhahran, Saudi Arabia
June 2000	Bachelor	University of Mosul	Mosul, Iraq

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Online Arabic Handwritten Text Recognition Using Syntactical-Based Techniques
Master	Efficient simple path and twig query processing algorithms for XML data organized as multidimensional file

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Assistant Professor	Computer Science Department (CS)	Computer Science and Information Technology (CCSIT)	Imam Abdulrahman Bin Faisal University	November 2016- Present
Lecturer	Department of information & Computer Science (ICS)	College of Computer Science and Engineering	King Fahd University of Petroleum and Minerals	September 2010 – May 2016



Scientific Achievements

Published Refereed Scientific Research

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	A. Rahman, K. Sultan, I. Naseer, R. Majeed, D. Musleh et. al.,	Supervised Machine Learning-based Prediction of COVID-19	Computers, Materials and Continua, vol. 67, no. 3, pp. 1-15, 2021.
2	Dhiaa Musleh , Rashad Ahmed, Atta-ur-Rahman, Fahd Alhaidari	A Novel Approach to Arabic Keyphrase Extraction	ICIC Express Letters, Part B: Applications 10 (10) (2019), 875-884
3	Atta-ur-Rahman, Fahd Alhaidari, Dhiaa Musleh , Maqsood Mahmud, and Muhammad Adnan Khan.	Synchronization of Virtual Databases: A Case of Smartphone Contacts.	Journal of Computational and Theoretical Nanoscience 16, no. 5-6 (2019): 1740-1757.
4	Atta-ur-Rahman ¹ , Maqsood Mahmud, Kiran Sultan, Nahier Aldhafferi, Abdullah Alqahtani, and Dhiaa Musleh	Medical Image Watermarking for Fragility and Robustness: A Chaos, Error Correcting Codes and Redundant Residue Number System Based Approach	Journal of Medical Imaging and Health Informatics. Aug 2018.
5	Atta-ur-Rahman ¹ , Dhiaa Musleh , Nahier Aldhafferi, Abdullah Alqahtani, and Hassan Alfifi	Adaptive Communication for Capacity Enhancement: A Hybrid Intelligent Approach	Journal of Computational and Theoretical Nanoscience. Apr 2018.
6	Atta Ur Rahman , Kiran Sultan, Dhiaa Musleh , Nahier Aldhafferi , Abdullah Alqahtani, and Maqsood Mahmud	Robust and Fragile Medical Image Watermarking: A Joint Venture of Coding and Chaos Theories	Journal of healthcare engineering, 2018
7	Atta-ur-Rahman, Aghiad Bakry, Kiran Sultan, Mohammad Aftab Alam Khan, Mehwash Farooqui, Dhiaa Musleh .	Clinical Decision Support System in Virtual Clinic	Journal of Computational and Theoretical Nanoscience :1546-1955 (2018).
8	Dhiaa Musleh , Khaldon Halawani and Sabri Mahmoud	Fuzzy Modeling for Handwritten Arabic Numeral Recognition	International Arab Journal of Information Technology, published online on Aug. 2016

Patent

#	Name of Investigator(s)	Patent Title	Patent office and Publication Date
1	Dhiaa Musleh , Khaldon Halawani and Sabri Mahmoud	An Arabic Like Alphanumeric Character Recognition System and Method Using Automatic Fuzzy Modeling (Patent)	U.S. Patent and Trademark Office (USPTO), Patent No:9,454,706 B1, Sep. 27, 2016



Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Rashad Ahmed, Dhiaa Musleh , Moataz Ahmed and Mohamed El-Attar	Use case prioritization using fuzzy logic system	Software Engineering and Service Science (ICSESS), 2014 5th IEEE International Conference on, pp. 149-152. IEEE, 2014
2	Dhiaa Musleh , Salahadin Adam, and Muhammed Al-Mulhem	Efficient Multidimensional Simple Path Query Processing Algorithm for XML Data	IEEE International Conference on, Information Science and Applications (ICISA), 2013.
3	Dhiaa Musleh , Salahadin Adam, and Muhammed Al-Mulhem	A New Multidimensional XML Storage Structure	International Conference on Computer Engineering and Technology (ICCET), 2012.

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	C language, KFUPM	ICS 103	Lecturer
2	Operating Systems	CS322	Lectures/ Labs
3	Logic and Proof Techniques	MATH401	lectures
4	Object Oriented Programming 1	CS311	Lectures/ Labs
5	Object Oriented Programming 2	CS321	Lectures/ Labs
6	Fundamentals of Programming	CS221	Lectures/ Labs
7	Introduction to Computing	CS211	Lectures/ Labs
8	Project Proposal	CS511	Supervising graduation project
9	Project Implementation	CS521	Supervising graduation project
10	Course Practical (Co-op) Training	CS444	Supervising Summer training course.

Undergraduate BS Projects Supervision (Imam Abdulrahman Bin Faisal University, KSA)

#	Name of Investigator(s)	Research Title	Year
1	Dhiaa Musleh, Taif Al-khales, Reem Al-makki, Shahad Al-Najim, Shaden Al-marshed, Rana Al-Hasaniah	Twitter Arabic Sentiment Analysis to Detect Depression	2020/2021
2	Dhiaa Musleh, Rawan Alshehri, Seham Alzahrani, Manal Alghamdi, Atheer Almalki, Maryam Balabeed	A Bi-directional Machine Learning Based Prediction System towards Achieving Realistic Renewable Energy Utilization in Saudi Arabia	2019 / 2020
3	Dhiaa Musleh, Areej Al Ahmadi, Adhwaa AlAnazi, Mashael AlRassan, Sarah AlMatawah	Museum Adaptive Mobile Guide	2018/ 2019



4	Dhiaa Musleh, Zahra Al-Abdullah, Kawther Al-Dahan, Zainab Alnasser, Sajedh Aalowa	Medical Transportation: MedPortation	2018/ 2019
5	Dhiaa Musleh, Ahmed Salem, Ali Abudeeb, Essa Al-Younis, Moayad Al-Oufi, Suliman Suliman	Car Parking System	2017 / 2018
6	Dhiaa Musleh, Areej Al-Maimany, Amani Al-Maimany, Alaa Al-Abdullah, Zahra Al-Ahmed, Zainab Alabbad	Smart Home Automation System	2016 /2017

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Master	A Bi-directional Solar Radiation and Electricity Consumption Prediction System Towards Renewable Energy Utilization	IAU	Sep. 2020 – Present

Evaluating (an examiner) of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Role & Date
1	Master	A Security Model for Adaptive Face Authentication Systems Using Deep Learning Techniques	IAU	Internal Examiner, December ,2020
2	Master	Identifying DeepFake Videos Using Multimedia Processing Techniques.	IAU	Internal Examiner, October,2019
3	Master	Machine Learning based Modeling for Effective and Accurate Prediction of Solar Radiation in Saudi Arabia	IAU	Internal Examiner, May, 2019

Committee Membership

#	From	To	Position	Organization
1	April 2019	Present	Chair	Practical teaching Committee
2	Oct, 2018	Present	Chair	Scholarship and Promotions Committee
3	Oct, 2018	Sep, 2020	Member	Postgraduate Committee
4	Nov, 2017	Sep, 2019	Member	Curriculum Committee.
5	Nov, 2017	Sep, 2019	Chair	Programming Knowledge Group
6	Nov, 2017	Sep, 2018	Member	Alumni and Career Planning Committee.
7	Nov, 2017	Sep, 2018	Member	Scientific Research Committee
8	Nov, 2017	Sep, 2018	Member	Admission and Registration committee
9	Jan, 2017	Nov, 2017	Member	Teaching and learning Quality Assurance

Last Update

...January 2021