



# Malek Ali Ahmad Fehaid

Assistant professor

## Personal Data

Nationality | Jordanian

Date of Birth | 10-july-1984

Department | Mathematics

Official UoD Email | maafehaid@iau.edu.sa

Office Phone No. | 37224

## Language Proficiency

Language	Read	Write	Speak
Arabic	Native	Native	Native
English	Excellent	Excellent	Very good
Others			

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2012	PhD	University Kebangsaan Malaysia	Malaysia
2009	Master	Utara Malaysia University	Malaysia
2006	Bachelor	Al Balqa' Applied University	Jordan

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

PhD	HONEYBEE ALGORITHMS BASED ON FORAGING BEHAVIOUR FOR EXAMINATION TIMETABLING PROBLEMS
Master	DEVELOPING A PC CONTROLLER APPLICATION USING BLUETOOTH TECHNOLOGY
Fellowship	



### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant Professor	Department of mathematics, Faculty of science, <b>Imam Abdulrahman Bin Faisal University,</b>	Dammam, Saudi Arabia	1/2019 - onward
Assistant Professor	Department of software Engineering, Faculty of since and Technology, <b>Jadara University,</b>	Irbid, Jordan	9/2013 - 12/2018
Part Time Lecturer	department of software engineering, <b>Jordan University of Science and Technology</b>	Irbid, Jordan	9/2014 - 1/2017
lecturer and postdoctoral researcher	Data Mining and Optimization Research Group, <b>University Kebangsaan Malaysia,</b>	Selangor, Malaysia	8/2012 – 9/2013
Implementation Manager/ Consultant.	BIT Software SDN. BHD	Cyberjaya, Malaysia.	1/2011 – 9/2013

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date

### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Maram Alwohaibi; Malek Alzaqebah; Noura M Alotaibi; Abeer M Alzahrani; Mariem Zouch	A hybrid multi-stage learning technique based on brain storming optimization algorithm for breast cancer recurrence prediction	Journal of King Saud University-Computer and Information Sciences, 2022
2	Mutasem Khalil Alsmadi; Malek Alzaqebah; Sana Jawarneh; Sami Brini; Ibrahim Al-Marashdeh; Khaoula Briki; Nashat Alrefai; Fahad Ali Alghamdi; Maen T Al-Rashdan	Cuckoo algorithm with great deluge local-search for feature selection problems.	International Journal of Electrical & Computer Engineering (2088-8708) , 2022
3	Muath AlShaikh; Malek Alzaqebah; Sana Jawarneh	Robust watermarking based on modified Pigeon algorithm in DCT domain	Multimedia Tools and Applications, 2022



4	Mutasem K Alsmadi; Ghaith M Jaradat; Malek Alzaqebah; Ibrahim ALmarashdeh; Fahad A Alghamdi; Rami Mustafa A Mohammad; Nahier Aldhaffer; Abdullah Alqahtani	An Enhanced Particle Swarm Optimization for ITC2021 Sports Timetabling	Computers, Materials & Continua, 2022
5	Ibrahim Almarashdeh; Kamal Eldin Eldaw; Mutasem Alsmadi; Fahad Alghamdi; Ghaith Jaradat; Ahmad Althunibat; Malek Alzaqebah; Rami Mustafa A Mohammad	The adoption of bitcoins technology: The difference between perceived future expectation and intention to use bitcoins: Does social influence matter?	International Journal of Electrical & Computer Engineering (2088-8708) , 2021
6	Bashar A Aldeeb; Mohammed Azmi Al-Betar; Norita Md Norwawi; Khalid A Alissa; Mutasem K Alsmadi; Ayman A Hazaymeh; Malek Alzaqebah	Hybrid intelligent water Drops algorithm for examination timetabling problem	Journal of King Saud University-Computer and Information Sciences, 2021
7	Mutasem K Alsmadi; Ibrahim Al-Marashdeh; Malek Alzaqebah; Ghaith Jaradat; Fahad A Alghamdi; Rami Mustafa A Mohammad; Muneerah Alshabanah; Daniah Alrajhi; Hanouf Alkhaldi; Nahier Aldhaffer; Abdullah Alqahtani; Usama A Badawi; Mohammed Tayfour	Digitalization of learning in Saudi Arabia during the COVID-19 outbreak: A survey	Informatics in Medicine Unlocked, 2021
8	Malek Alzaqebah; Mohammad Sana; Jawarneh; Rami Mustafa; Alsmadi Mutasem; ALmarashdeh Ibrahim	Improved Multi-Verse Optimizer Feature Selection Technique With Application To Phishing, Spam, and Denial Of Service Attacks	International Journal of Communication Networks and Information Security (IJCNIS) , 2021
9	Anmar Abuhamdah; Malek Alzaqebah; Sana Jawarneh; Ahmad Althunibat; Mustafa Banikhalaf	Moth optimisation algorithm with local search for the permutation flow shop scheduling problem	International Journal of Computer Applications in Technology, 2021
10	Malek Alzaqebah; Salwani Abdullah; Rami Malkawi; Sana Jawarneh	Self-adaptive bee colony optimisation algorithm for the flexible job-shop scheduling problem	International Journal of Operational Research, 2021
11	Malek Alzaqebah; Khaoula Briki; Nashat Alrefai; Sami Brini; Sana Jawarneh; Mutasem K Alsmadi; Rami Mustafa A Mohammad; Ibrahim ALmarashdeh; Fahad	Memory based cuckoo search algorithm for feature selection of gene expression dataset	Informatics in Medicine Unlocked, 2021



	A Alghamdi; Nahier Aldhaffer; Abdullah Alqahtani		
12	Malek Alzaqebah; Sana Jawarneh; Rami Mustafa A Mohammad; Mutasem K Alsmadi; Ibrahim AlMarashdeh; Eman AE Ahmed; Nashat Alrefai; Fahad A Alghamdi	Hybrid Feature Selection Method based on Particle Swarm Optimization and Adaptive local Search Method	International Journal of Electrical and Computer Engineering (IJECE) , 2021
13	<b>Alzaqebah, M.</b> , Abdullah, S., Malkawi, R. and Jawarneh, S	Self-adaptive bee colony optimisation algorithm for the flexible job-shop scheduling problem'	<i>Int. J. Operational Research, 2021</i>
14	RMA Mohammad, MK Alsmadi, I Almarashdeh, M Alzaqebah	An improved rule induction based denial of service attacks classification model	Computers & Security 99, 102008, 2020
15	M Alzaqebah, S Jawarneh, M Alwohaibi, MK Alsmadi, I Almarashdeh, ...	Hybrid brain storm optimization algorithm and late acceptance hill climbing to solve the flexible job-shop scheduling problem	Journal of King Saud University-Computer and Information Sciences
16	M Alzaqebah, N Alrefai, EAE Ahmed, S Jawarneh, MK Alsmadi	Neighborhood search methods with moth optimization algorithm as a wrapper method for feature selection problems.	International Journal of Electrical & Computer Engineering (2088-8708) 10 (4),2020
17	Rami Malkawi , <b>Malek Alzaqebah</b> , Ali Malkawi, Bilal Abul-Huda	The Impact Of The Digital Storytelling Rubrics On The Social Media Engagements	<i>International Journal Of Computer Applications In Technology,2019</i>
18	<b>Alzaqebah, M.</b> , Jawarneh, S., Sarim, H. M., & Abdullah, S.	Bees Algorithm for Vehicle Routing Problems with Time Windows.	International Journal of Machine Learning and Computing, 8(3), 236-240, 2018
19	Mohammad Subhi Al-Batah, Shakir Mrayyen and <b>Malek Alzaqebah</b>	Arabic Sentiment Classification using MLP Network Hybrid with Naive Bayes Algorithm	<i>Journal of Computer Science</i> , Volume 14, Issue 8, pp 1104-1114,2018



20	MA Khder, MA AlZaqebah, A Abazeed, MA Saifi	Smart Shoes for Visually Impaired/Blind People	ICSF 2017 Kingdom of Bahrain, 479
21	Alzaqebah, M., Abdullah, S., & Jawarneh, S.	Modified artificial bee colony for the vehicle routing problems with time windows.	SpringerPlus, 5(1), 1298. 2016
22	Malek Alzaqebah and Salwani Abdullah	Hybrid bee colony optimization for examination timetabling problems,	Computers & Operations Research Journal, Volume 54, February 2015, pp 142–154
23	Malek Alzaqebah and Salwani Abdullah.	An adaptive artificial bee colony and late-acceptance hill-climbing algorithm for examination timetabling.	Journal of Scheduling 17.3 (2014): 249-262.
24	Malek Alzaqebah and Salwani Abdullah.	A hybrid self-adaptive Bees algorithm for Examination Timetabling Problems.	Applied Soft Computing Journal, Volume 13, Issue 8, August 2013, Pages 3608-3620.
25	Salam Shreem, Salwani Abdullah, Mohd Zakree Nazri And Malek Alzaqebah.	Hybridizing RELIEFF, MRMR filters and GA Wrapper approaches for gene selection,	Journal of Theoretical and Applied Information Technology 31st December (2012). Vol. 46 No.2.
26	Malek Alzaqebah and Salwani Abdullah.	Hybrid Artificial Bee Colony Search Algorithm Based on Disruptive Selection for Examination Timetabling Problems.	International Conference on Combinatorial Optimization and Applications (COCOA 2011), LNCS 6381, Springer-Verlag, Berlin, pp 31-45, 2011.
27	Malek Alzaqebah and Salwani Abdullah	. The Bees Algorithm for Examination Timetabling Problems.	International Journal of Soft Computing and Engineering, Volume-1, Issue-5, pp 105-110, ISSN: 2231-2307, 2011.
28	Malek Alzaqebah and Salwani Abdullah	Artificial Bee Colony Search Algorithm for Examination Timetabling Problems.	International Journal of the Physical Sciences. Vol. 6(17), pp. 4264-4272, ISSN 1992-1950©2011, Academic Journals, 2011.



29	Malek Alzaqebah and Salwani Abdullah.	Comparison of the Selection Strategy in the Artificial Bee Colony Algorithm for Examination Timetabling Problems.	International Journal of Soft Computing and Engineering, Volume-1, Issue-5, pp 158-163, ISSN: 2231-2307, 2011.
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### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	Eman Abdulazeem Ahmed, Malek Alzaqebah, Sana Jawarneh Mutasem K Alsmadi	Comparison of Specific Segmentation Methods Used for Copy Move Detection	International Journal of Electrical & Computer Engineering	July 2022
2	Malek Alzaqebah, Sana Jawarneh Mutasem K Alsmadi	Improved Whale Optimization with Local-Search method for Feature Selection	Computers, Materials & Continua,	June 2022

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	Alwohaibi, Maram; Malek Fehaid;	Artificial Intelligence Framework for Breast Cancer Recurrence Prediction, Diagnosis and Therapy Plan Optimization.	01/01/2021

### Current Researches

#	Research Title	Name of Investigator(s)
	<b>Automatic framework based on Arabic sentiment analysis for harmful events detection in social media</b>	<b>Alzaqebah, Malek ;</b> Almarashdeh, Ibrahim Almulla, Noha Alsmadi, Mutasem Alwohaibi, Maram Jawarneh, Sana

### Teaching Activities



## Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Operation Research	MATH 510	
	Introduction to computer science programming: java	COMP 598	
	Basic data structure	COMP 599	
	Unix	COMP 499	
	Introduction to programming (c++)	COMP 209	
	Advanced programming (java)		
	Object oriented programming		
	Mobile application development (Android studio)		
	Software modelling		
	Software engineering tools		
	Operating systems		
	System analysis and design		
	Softer development methodologies		
	Lab Software engineering 2 (c#)		
	Computer skills		

### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)


## Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Mathematical software	MATH 526	30
2			

### Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	
2	



### Course Coordination

#	Course Title and Code	Coordinati on	Co-coordination	Undergr ad.	Postgrad .	From	To
	Operation Research MATH 510	✓		✓			
	Introduction to computer science COMP 598programming: java	✓		✓			
	Basic data structure COMP 599	✓		✓			
	Unix COMP 499	✓		✓			
	Introduction to programming (c++) COMP 209	✓		✓			

### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To

### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

#### Administrative Responsibilities

#	From	To	Position	Organization

#### Committee Membership

#	From	To	Position	Organization






### Scientific Consultations

#	From	To	Institute	Full-time or Part-time

### Volunteer Work

#	From	To	Type of Volunteer	Organization

### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	<b>Programming languages</b> (python, Java, .net and SQL )
2	<b>Operating systems:</b> Windows, Linux, Mac OS.
3	<b>Mobile Technologies:</b> Android studio and Xamarin studio (native and cross platform development)
4	<b>Analytical and research skills</b>
5	Intimate knowledge of <b>object-oriented design principles</b> and common <b>design patterns</b> (MVVM, MVC 4.5).
6	Strong <b>problem-solving and analytical</b> skills.

### Last Update

30/8/2022