



FACULTY FULL NAME : Hala Mahmoud Mokhtar Abdelkarem Remah

POSITION

Personal Data

Nationality | Egyptian

Date of Birth |02|09|1961

Department | Chemistry

Official Email | hmABDELKAREM@uod.edu.sa

Office Phone No. | 37056

Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√
Others			

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
8 2017-now	Professor	Imam Abdo Rahman bin Faisal	Dammam , Saudi Arabia
2010-2016	Associate Professor	Computing, King Saud University,	Riyadh, SA
2002 –2010	Associate Professor	Computing, School of Computing and Mathematical Sciences, Liverpool John Moores University, UK	Liverpool John Moores University, UK
2001 – 2002	Research	Instructor in Mathematics & Computing, School of Computing and Mathematical Sciences, Liverpool John Moores University (Part-time).	Liverpool John Moores University (Part-time).
Sep 99 – Dec. 99	Assistance	Computer Engineering, Assiut University, Egypt	Assiut University, Egypt



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

1999 - 2003	phd	Computer Science, PGCert in Software Tech., Liverpool University, UK Grade A.	Liverpool University, UK
1992 - 1996	M.Sc	Computer Engineering, Assiut University, Egypt	Assiut University
1985 - 1990	B.Sc.	Electrical Eng. (Communication), Assiut Univ., Egypt	Assiut University

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Professor	Imam Abdo Rahman bin Faisal	Dammam , Saudi Arabia	8 2017-now
Associate Professor	Computing, King Saud University,	Riyadh, SA	2010-2016
Associate Professor	Computing, School of Computing and Mathematical Sciences, Liverpool John Moors University, UK	Liverpool John Moors University, UK	2002 –2010
Research	Instructor in Mathematics & Computing, School of Computing and Mathematical Sciences, Liverpool John Moors University (Part-time).	Liverpool John Moors University (Part-time).	2001 – 2002
Associate	Computer Engineering, Assiut University, Egypt	Assiut University	1999

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	M. Asim, H. Mokhtar, and M. Merabti, (IJWMN)	A self-managing fault management mechanism for wireless sensor networks”	International Journal of Wireless & Mobile Networks (IJWMN) Vol. 2, No. 4, Nov 2010
2	M. Yu, H. Mokhtar, and M. Merabti, “A Self-Organized Middleware Architecture for Wireless Sensor Network Management”	“A Self-Organized Middleware Architecture for Wireless Sensor Network Management,”	International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC), Special Issue on: “System Aspects of Wireless Networks”, Vol. 3, No. 3, 2008.
3	M. Yu, H. Mokhtar, and M. Merabti,	“Fault Management in Wireless Sensor Networks,”	IEEE Wireless Communications, special issue on Wireless Sensor Networks, Vol. 14, No. 6, Dec. 2007
4	Khan, H. Mokhtar, M. Merabti,	“ A new self-detection scheme for wireless sensor networks boundary recognition”	The 34 th IEEE Conference on Local Computer Networks, LCN’09, Zürich, Switzerland, Oct. 2009.
5	Ian Rhead, Madjid Merabti, Hala, Mokhtar, Paul Fergus , Amjad Shaheed,	A Hierarchically Structured Worldwide Sensor Web Incorporating IEEE 1451,	The 10th Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, 22nd - 23rd June, Liverpool, UK, 2009.
6	M. Asim, H. Mokhtar, and M. Merabti,	"A cellular approach to fault detection and recovery in wireless sensor networks,"	The Third International Conference on Sensor Technologies and Applications,



			SENSORCOMM 2009, Athens/Vouliagmeni, Greece June 2009
7	Ian Rhead, Madjid Merabti, Hala Mokhtar, Paul Fergus,	"A Hierarchically Structured Worldwide Sensor Web Architecture,"	IEEE Consumer Communication and Networking Conference CCNC 2009 Short Papers, Las Vegas, Nevada, USA, 10th - 13th January, 2009.
8	Ian Rhead, Madjid Merabti, Hala Mokhtar, Paul Fergus	"A Hierarchically Structured Architecture for a Worldwide Sensor Web,"	IEEE International Conference on Advanced Information Networking and Applications (AINA): Workshop on Telecommunication Networking, Applications and Systems (TeNAS), Bradford, UK, 2009.
9	M. Yu, H. Mokhtar, and M. Merabti	"Self-Managed Fault Management in Wireless Sensor Networks",	The Second International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies, UBICOMM 2008, Valencia, Spain, Sep. 2008.
10	M. Asim, H. Mokhtar, and M. Merabti	"A Fault Management Architecture for Wireless Sensor Networks,"	International Wireless Communications and Mobile Computing Conference, IWCMC '08, Crete Island, Greece, Aug. 2008.
11	M. Asim, H. Mokhtar, and M. Merabti	"Cellular Self-Organization Architecture for Wireless Sensor Networks,"	The 9 th Annual Postgraduate Symposium on the Convergence of Telecommunications,



			Networking and Broadcasting, Liverpool, UK, June 2008
12	M. Yu, H. Mokhtar, and M. Merabti, “	“A Biologically Inspired Fault Management Architecture for Self-Managing Wireless Sensor Networks,”	Fourth EuroFGI Workshop on Wireless and Mobility, Barcelona, Spain, Jan. 2008.
13	F. Bouhafs, M. Merabti, and H. Mokhtar,	“A Node Recovery Scheme for Data Dissemination in Wireless Sensor Networks”	IEEE International Conference on Communications ICC’07, Glasgow, Uk, June 2007.
14	<u>Shih-Hao Chang</u> , Madjid Merabti, <u>Hala M. Mokhtar</u> ,	“Spider-Net Zone Routing Protocol for Mobile Sink Wireless Sensor Networks”,	The International Conference on Wireless Networks (ICWN'07) Monte Carlo Resort, Las Vegas, Nevada, USA, June 2007.
15	<u>Shih-Hao Chang</u> , Madjid Merabti, <u>Hala M. Mokhtar</u> ,	"Fault Tolerance Magnetic Coordinate Routing for Mobile Sinks Wireless Sensor Networks (FTMC)"	the IASTED International Conference on Communication Systems, Networks and Applications (CSNA 2007), Beijing, China, Oct. 2007.
16	M. Yu, H. Mokhtar, and M. Merabti	“A Survey of Fault Management in Wireless Sensor Networks”,	The 8 th Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, Liverpool, UK, June 2007.
18	Khan, I.M.; Jabeur, N.; Khan, M.Z.; Mokhtar, H..	An overview of the impact of wireless sensor networks in medical health care. March 2012; pp. 576–580.	1st International Conference on Computing and Information Technology (ICCT), Al-Madinah Al-Munawwarah, Saudi Arabia, 12–14 March 2012; pp. 576–580.



19	M Asim H Mokhtar and M Z Khan	An energy efficient management scheme for wireless sensor networks	International Journal of Critical Computer-Based Systems. 2015 Vol. 6, No. 2
	Yasmeen Altujjar & Hala Mokhtar	Classification of Smart Home Applications' Requirements for the MAC Layer	International Journal of Engineering and Information Systems (IJEAIS) 2 (5):13-21 (2018)
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Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
	Hala M. Abdelkarem, Aeshah H Alamri, Mervat A. El-Sherif ; Sahar B. Gomaa, Seham S Kassem and Madeha M Abdelkader	Olive Leaf Powder Modulate Insulin Production and Circulating Adipokines in STZ- Induced Diabetic Rats	J Dietary Supplements,	16/2/2020. (Accepted) Scopus, ISI

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

Completed Research Projects



#	Name of Investigator(s) (Supported by)	Research Title	Report Date

Current Research

#	Research Title	Name of Investigator(s)
1		
2		

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#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	IEEE International Conference on Communications (ICC'09) - AHSN	IEEE International Conference on Communications (ICC'09) - AHSN	Attends
2	IEEE Conference on Local Computer Networks (LCN 2009)	IEEE Conference on Local Computer Networks (LCN 2009)	Participation
3	IEEE International Conference on Scalable Computing & Communications (ScalCom'09)	IEEE International Conference on Scalable Computing & Communications (ScalCom'09)	Attends
4	IEEE International Conference on Computation, Science & Engineering (CSE'09)	IEEE International Conference on Computation, Science & Engineering (CSE'09)	Attends
5	IEEE Global Communications Conference (GLOBECOM '10)	IEEE Global Communications Conference (GLOBECOM '10)	Attends
6	IEEE International Conference on Communications (ICC'10) - AHS	IEEE International Conference on Communications (ICC'10) - AHS	Attends
7	IEEE Conference on Local Computer Networks (LCN 2010)	IEEE Conference on Local Computer Networks (LCN 2010)	Attends
8	IEEE International Conference on Scalable Computing & Communications (ScalCom'10)	IEEE International Conference on Scalable Computing & Communications (ScalCom'10)	Attends
16	.Fourth international conference for development and the environment	11-12/11/2008, King Saud University, Saudi Arabia	Attends
17	International conference of nano Technology in industry	4-7 /4/20010. King Abdullah Institute - Riyadh- Saudi Arabia	Attends
18	The 4th Saudi International Conference on Nanotechnology	27/10/2016 - King Fahd University of Petroleum and Minerals - Khobar - Saudi Arabia	Attends



19	Ibn Sena conference for heterocyclic	30 Mar -2 Apr-2018, Ghardaka- Egypt.	Participation
20	International Conference on Sustainable Development in the desert areas	January 24, 2019 - Imam Abdul Rahman bin Faisal University - Khobar - Saudi Arabia	Attends

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	General physics 1	203	Full time- 45 hr/ lectures
	Research Project	CHEM-474-N	Partial time / 30 hr
	Environmental	CHEM-373-N	Full time- 30 hr/ Lecture
	Chemical analysis by instrumentals	443-N	Full time- 60 hr/ Lab

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

1	
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Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)

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

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Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
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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
	seventh	16	1 st & 2 nd semester	1443-1444

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

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

Administrative Responsibilities

#	From	To	Position	Organization
	1437	1438	Member	Quality Committee- standard teaching and learning
	Examinations Committee			
	1437-1438	1st semester	Member	Examinations Committee
	1437-1438	2nd semester	Member	Library Committee

Committee Membership



#	From	To	Position	Organization
	2017	now	Member	Chemistry Society

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization
	24/10/2017	25/10/2017	Oral presentation	Participation in the Arab Chemistry Week (1439) oral presentation
	1 st semester 10/1 /2009	Full semester 11/1/2009	training Attended	Participation in Graduates Training Participation in the tenth symposium of alternative medicine in Saudi Arabia
	1428	1430	Equipment	Preparation of the research lab and animal house for postgraduate studies - Faculty of Food and Agriculture Sciences - Food Science Department - King Saud University
	1429	1430	The standard of scientific research	Participation in the assessment quality committee, Science college- King Saud University
	2011		Research arbitration	Cadmium fractions and its uptake by the wheat plant in some of calcareous soils of Iran. In African J Agric Res. (AJAR-11-1538); 2011
	2017		Research arbitration	Optimization of surfactant-assisted ultrasound extraction of total flavonoids from the stem-leaf of Panax notoginseng using response surface methodology and a study of antioxidant activity and its effects on mouse melanoma B16 cells (ZFNR-2017-0223)

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

1	Computer
2	statistical bio- analysis



Last Update

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