



Mariam AL-Soufi

Assistant Professor

Personal Data

Nationality | Saudi

Date of Birth |03/10/1997

Department | Biology Department

Official UoD Email |malsufi@iau.edu.sa

Office Phone No. |

Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓
Others	—	—	—

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
14/1/2020	PhD	Putra University in Malaysia	JALAN UNIVERSITI 1 Serdang, 43400 Seri Kembangan, Selangor, Malaysia https://www.upm.edu.my/
3/2/2003	Master	Arabian Gulf University, Kingdom of Bahrain	Road 2904 Building 293 Manama, 329, Kingdom of Bahrain https://www.agu.edu.bh/en
1/6/1999	Bachelor	Imam Abdulrahman Bin Faisal University, Saudi Arabia	Dammam 31441. Kingdom of Saudi Arabia https://www.iau.edu.sa/

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

PhD	Enhancing the Water Holding Capacity of Sandy Soil Using Date Palm Trunk Amendment for the Early Growth of Okra (<i>Abelmoschus esculents</i> L.)
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Master	Optimization of Oily Sludge Degradation Process in a Landfarming System in Saudi Arabia
Fellowship	

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Address	Date
Assistant Professor	Biology Department , Science College, Imam Abdulrahman Bin Faisal University. https://www.iau.edu.sa/	Dammam 31441. Kingdom of Saudi Arabia	03/2009 to date
Scientist	Saudi Aramco Oil Company. https://www.aramco.com/	Dhahran 31311, Saudi Arabia.	09/2001- 03/2009
<p>Working as lab scientist at the Research and Development Center (R&DC) at Saudi Aramco Oil company result in an outstanding project and a patent. Below is information for these achievements:</p> <p>1.Outstanding project:</p> <ul style="list-style-type: none"> A. Title “Method and device to remediate oil spill” B. Publication date: October 4, 2007 C. Research project team: Bandar Fadhel, Jasem Al-Muaili, Tamal Dutta, Emad Al-Humaidan, Mariam Al-Soufi, Abdulrahman Mukhtar D. Abstract: Irregularly shaped particles of foamed cellular polystyrene having a relatively large surface area produced by comminuting preformed solid blocks or other shapes of molded expanded polystyrene foam articles are spread on floating marine oil spills to agglomerate the oil and maintain it on the surface pending removal, thereby avoiding contamination of the submarine environment. The particles can be distributed in a dry state or mixed with a liquid to facilitate controlled spreading of the lightweight particles. <p>2. Patent</p> <ul style="list-style-type: none"> A. Title: “Landfarming simulation testing apparatus and method” B. Publication date: February 9, 2006 C. Patent research team: Rashed Omairi, Mariam AL-Soufi D. Abstract: This patent has already been granted by the United States Patent and Trademark Office (USPTO). The publication number: 20060029521. An apparatus and method for studying the effect of heat, wind and other physical and/or biological factors on the loss of hydrocarbons from oily sludge wastes in a landfarming system. Preferably, the invention 			



	<p>is a landfarming simulation testing apparatus and method that can be used to simulate real environmental conditions in a laboratory. The invention may be used to study the effect of physical factors such as, for example, temperature, wind, humidity, sunrays and/or acid rain. Also, the invention can be used to study the effect of biological factors such as, for example, oily sludge-degrading microorganisms. The apparatus is also useful for treatment of appropriate amounts of waste.</p> <p>I was also recognized as the first female inventor in the 80 years history Saudi Aramco. I published two research papers and presented my work at international conferences. Working with Saudi Aramco, I was exposed to many challenging problems related to environmental control and remediation and gained invaluable experience that would help me in advancing my research career. My interest in research goes beyond oil and gas industry and for that reason I opted to teach at one of the Saudi Universities.</p>
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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
		The Early Growth of <i>Abelmoschus esculentus</i> L. (Okra) Using Arid Sandy Soil Amended with Powdered Date-Palm Karab Waste	<i>Plant Archives</i> , Volume 20 No. 1, 2020 pp. 1721-1729

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	Maryam Haroon AL-Soufi	Enhanced Petroleum Sludge Farm Bio-degradation; at Petroleum & Petrochemical Industries. In Chemindex 2004.	2004



	Maryam Haroon AL-Soufi	Sulfur Utilization Review paper. In Chemindex 2004.	2007
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Completed Research Projects

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

Current Researches

#	Research Title	Name of Investigator(s)

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	Participated UPM three-minute thesis competition entry.	March, 2019.	Two weeks.

Membership of Scientific and Professional Societies and Organizations

- A member at Environment Friends Society

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Cell Biology		14 lectures
	Chordata		14 lectures
	Fisheries & Aquaculture		12 lectures
	General Biology		14 lectures
	Vertebrates Biology		14 lectures

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

1	Cell Biology course content:
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	The course content is microscope main types and parts of a microscope; comparison between eukaryotic and prokaryotic cells; comparison between bacteria and virus, description of Cellular compartments; practical experiments of (the detection of starch in the given food sample and the detection of weat, castor and maize for demonstration of Aleurone granules).
2	Fisheries & Aquaculture: fish taxonomy, external anatomy of fishes (morphological); internal anatomy of fishes; morphometric and meristic of fishes; age and growth determination of fish; estimation of the fish fecundity; aquaculture methods; management of fish farm; pond management; water management. this course includes a field visit for fisheries and aquaculture and students will submit report& presentation after this visit.
	General Biology: This course provides the basics of biological sciences and it includes identifying biological science, the hierarchy of life, upon which the course is structured. The hierarchy of life is illustrated here at the molecular, cellular and the most basic living organisms. Cell structure, prokaryotes and eukaryotes are introduced, with a brief illustration of the function of main organelles. Cell cycle is discussed along with meiosis as a mean of reproduction. Tissues of animal and plant organisms are later introduced to emphasis the diversity and complexity of biological systems. Finally, the course introduces single cell and multicellular organisms in general term.

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)

1	
2	

Course Coordination

#	Course Title and Code	Coordinatio n	Co- coordination	Undergra d.	Postgrad.	From	to

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

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

Committee Membership

#	From	To	Position	Organization
1	23 of February, 2020	Till date	Postgraduate and Scientific Research Committee	IAU
2	November, 2020	Till date	The Design of on-line Laboratory Curriculum Committee	IAU
3	20 of September, 2020	Till date	Environmental liaison officer between Science College and Environmental Agency	IAU



Workshops and Training Courses

#	Date	Workshops/ Training Courses
1	October 21, 2020	How to manage research sources (Google scholar, Scopus, Researcher ID·citation)
2	October 8, 2020	Creating question bank
3	June 10-11, 2020	Academic writing and publishing
4	April 29, 2020	Incites benchmarking & analytics
5	April 22, 2020	Endnote online- collect, Manage, Share, Format your references.
6	April 15, 2020	Journal citation report- create your publication strategy organized at Imam Abdulrahman Bin Faisal University
7	February 2, 2020	Using Scopus as a tool for advancing scientific research and publication

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	Advanced Writing Skills
2	Statistical Methods of Environmental Data Analysis
3	Power Point Presentation

Last Update

5th of Jamadi Ul Awwal, 1442 H
19th of December, 2020 G.