



FACULTY FULL NAME: Dr. Aisha Saud Farhan Al-Shammari

POSITION: Assistant professor

Personal Data

Nationality | Saudi

Department | Biology

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Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

		Place of Issue	Address
2016	PhD	Imam Abdulrahman Bin Faisal University	Dammam, Saudi Arabia
2006	Master	King Faisal University	Dammam, Saudi Arabia
2004	Bachelor	Girls' Education College.(Science College)	Dammam, Saudi Arabia

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

PhD	Cyto-genetical and Bimolecular in vitro-studies on <i>Pisum sativum</i> L. Seed-Hardening with NaCl and Colchicine Under different temperature levels
Master	Improved transformation efficiency of Dextran genes in <i>Saccharomyces cerevisiae</i> Through Genetic Techniques.

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant professor	Biology department, College of science at Imam Abdulrahman Bin Faisal University	2016-current
Lecturer	Biology department, College of science at Imam Abdulrahman Bin Faisal University	2007-2016
Demonstrator	Biology department, College of science at Imam Abdulrahman Bin Faisal University.	1999-2007



Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
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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	Nadiyah M Alabdallaha, Md. Mahadi Hasanb, Abdalrhaman M.Salihc, Roushdy S S.d, Aisha S. Al-Shammaria, Sumayah I. Alsaniea, Mohamed El-Zaidyc	Silver nanoparticles (AgNPs) improves growth and protects oxidative damages in eggplant seedlings under drought stress	Plant, Soil and Environment https://doi.org/10.17221/323/2021-PSE
2	Md. Mahadi Hasan1 • Nadiyah M. Alabdallah2 • Abdalrhaman M. Salih3 • Aisha S. Al-Shammari2 • Saleha Saeed ALZahrani2 • Ali H. Al Lawati4 • Mohammad Shah Jahan5 • Md Atikur Rahman6 • Xiang-Wen Fang1	Modification of starch content and its management strategies in plants in response to drought and salinity: current status and future prospects	Journal of Soil Science and Plant Nutrition https://doi.org/10.1007/s42729-022-01057-7

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Participation in the arbitration of projects in the Creativity of Science and Engineering Exhibition "Ibdaa 2023", which will be held under the generous patronage and presence of His Royal Highness Prince Saud bin Nayef bin Abdulaziz Al Saud - Governor of the Eastern Province - at King Fahd University of Petroleum and Minerals during the period 1-4 February 2023 AD,	King Fahd University of Petroleum and Minerals King Abdulaziz and His Companions Foundation for Giftedness and Creativity "Mawhiba" 20/08/1444	Research arbitration



2	The International Conference and Exhibition of Science	King Saud University 6-8-2023	Poster GLOBAL AGRICULTURAL BIOINFORMATICS
3	The 6th ISOCARD Conference The Sixth Conference of the International Association for Camel Research and Development at King Faisal University	at King Faisal University 20-24/8/1444	Poster Arabian Camel (Camelus dromedarius) Genome
4	Participation with a scientific poster in the first regional conference on desert environments	at Hail University 14-16-3-2023	Poster Vegetation diversity and desertification problems in the northern region of Saudi Arabia
5	The international workshop entitled Mechanisms for Monitoring the Desertification Process and Ways to Address It	King Faisal University 26-2-2023	Attended
6	Attending a meeting with the Food and Agriculture Organization of the United Nations (FAO) team	Imam Abdulrahman Bin Faisal University, Saudi Arabia, Dammam. 28-3-2023	Attended
7	International Algae Conference	Dhahran Exhibitions for Conferences and Events 20/11/1444	Attended
8	Genome - wide differential gene expression analysis using Linux operating system and R Programming Language In Tabuk University	14/2/2023	Attended
9	Webinar: Institutional Funding Program: Opportunities and future directions in supporting research and innovation in universities	Wednesday, Jun 22, 2022	Attended
10	Webinar: ACWA Power & KAUST Innovation Days ACWA Power and King Abdullah University of Science and Technology	23-24-25 -02-2022	Attended



	(KAUST) "Innovation Days		
11	Giving a lecture on tissue culture in palm trees Within the activities of our green environment	Imam Abdulrahman Bin Faisal University, Saudi Arabia, Dammam in Biology department.2021	lecturer
12	Giving a lecture on Protein Database and practical application	Imam Abdulrahman Bin Faisal University, Saudi Arabia, Dammam in BASRC.2021	lecturer
13	The virtual forum on "sustainable afforestation" as part of the Let's Make It Green campaign	Online 2020	Attended
14	The Global Conference for Giftedness and Creativity	Online 2020	Attended
15	Surface features and vegetation cover in the Kingdom of Saudi Arabia	Online 2020	Attended
16	Academic Departments' Heads 1st Experiment and Experiences Forum	Imam Abdulrahman Bin Faisal University, Saudi Arabia, Dammam. April, 2019.	Attended
17	COVID-19 online international conference	Dammam Medical Complex Administration, on line. 28 Mar., 2020.	Attended
18	Harvesting Water from Desert Air.	Advanced materials research chair and Saudi Chemical Society, on line. 21 July, 2020.	Attended
19	The virtual forum "Mangroves, Environmental Richness and Biodiversity"	Ministry of Environment, Water and Agriculture, on line. 22 July, 2020.	Attended
20	Plant Biology 2020 Worldwide Summit.	American Society of Plant Biologists, on line. 27-31 July, 2020.	Attended
	Conference on sustainable development in the desert regions	Imam Abdulrahman Bin Faisal University, Saudi Arabia, Dammam 22-24/1/2019	Attended

Membership of Scientific and Professional Societies and Organizations

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Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
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	Bioinformatics	BIOL401	Lectures and Labs
	Principles of genetics	GENTC 304	Lectures and Labs
	Molecular biology	GENTC 308	Lectures and Labs
	General Biology	Biol 204	Lectures and Labs
	Plant Taxonomy	Biol 335N	Lectures and Labs
	Graduation project	BIOL 448	Lectures
	Basic of Ecology	BIOL 207	Labs
	Plant Tissue Culture	Biol 437N	Labs
	Cytogenetics		Labs
	Microscopic Preparations		Labs
	Plant Anatomy		Labs

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	-	-	-

Course Coordination

#	Course Title and Code	Coordinati on	Co- coordination	Undergr ad.	Postgrad .	From	To
1	Principles of genetics		√		√	2018- 2019	2019- 2020
2	Molecular biology		√		√	2019- 2020	2019- 2020
3	Bioinformatics	√				2022	2024

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
1	Undergraduate	90	2016	2023

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
	-	-	-	-

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



Committee Membership

#	From	To	Position	Organization
1	2021	till date	Graduate Studies Coordinator	Biology department, Imam Abdulrahman Bin Faisal University
2	2021	till date	Chair of the Graduate Studies Committee	Biology department, Imam Abdulrahman Bin Faisal University
3	2017	till date	Head of the fourth axis in the self-study of the program, which includes follow-up (the seventh, eighth and ninth standards)	Biology department, Imam Abdulrahman Bin Faisal University
4	2020	2021	Member of Graduate Studies and Scientific Research Committee	Science collage, Imam Abdulrahman Bin Faisal University
5	2020	till date	Member of developmental bachelor program (cell and molecular genetics track)	Biology department, Imam Abdulrahman Bin Faisal University
6	2017	2020	Member of Assessment Quality Committee.	Biology department, Imam Abdulrahman Bin Faisal University
7	2018	2019	Member of QASD Committee	Vice-President Office for Academic Affairs, Imam Abdulrahman Bin Faisal University
8	2017	2017	Supervisor of final exam unit in Science collage	Science collage, Imam Abdulrahman Bin Faisal University

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

1	Bioinformatics technique
2	Experience in Cytogenetics technique
3	Molecular biology technique
4	Plant tissue culture technique
5	Plant taxonomy
6	Microbial technique
7	SPSS analysis
8	Computer programs

Last Update 24../...7.../2023