



# Nouf Khalifa ALaqeel

Assistant professor

## Personal Data

Assistant Professor

Biology Department, College of Science

University of Imam Abdulrahman bin Faisal

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<b>Researcher ID</b>	AAI-1791-2019
<b>Google scholar Link</b>	<a href="https://scholar.google.com/scholar?hl=en&amp;as_sdt=0%2C5&amp;q=nouf+alaaqeel&amp;oq=n">https://scholar.google.com/scholar?hl=en&amp;as_sdt=0%2C5&amp;q=nouf+alaaqeel&amp;oq=n</a>
<b>Scopus ID</b>	SC57209618834
<b>Linkedin</b>	<a href="https://www.linkedin.com/in/nouf-alaaqeel-9887931ba/">https://www.linkedin.com/in/nouf-alaaqeel-9887931ba/</a>

## Language Proficiency

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

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
١٤٣٤/١٢/٢٤	PhD	Dammam University	Saudi Arabia
١٤٣٠/١٦/٢٢	Master	King Faisal University	Saudi Arabia
١٤٢٣/٣/٢٣	Bachelor	Science College for girls	Saudi Arabia

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



PhD	Histological and Ultrastructural Experimental Studies about the Effect of an Antidepressant Drug on Some Regions of the Central Nervous System (CNS) and the Testis of Male Adult Albino Mice and the Possible Protective Role of Ginger
Master	Histomorphometric Studies on Non-keratinocytes in the Epidermis of the Guinea pig and the Effect of Hydroquinone Preparation on Melanocytes and Langerhans cells
Fellowship	

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

Job Rank	Place and Address of Work	Date
Assistant professor	Biology department, College of science, Imam Abdulrahman Bin Faisal University (University of Dammam).	١٤٣٥-٢-٢٠
Assistant Lecturer	Biology department, College of science, University of Dammam.	١٤٣٠/٣/١٤
Demonstrator	Biology department, College of science, University of Dammam.	١٤٢٩/٩/٢٠

### 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	<b>Nouf K Al-Aqeel</b> , Eltohami M Abdel-Mageed	Effects of hydroquinone on epidermal non-keratinocytes	International journal of health sciences 2011;12(5)
2	Hala G. EL Tantawi, <b>Nouf K. Alaqeel</b> .	NEUROPROTECTIVE EFFECTS OF GINGER AGAINST SERTRALINE AS ANTIDEPRESSANT DRUG-INDUCED LESIONS IN SPINAL CORD OF MICE	Egypt. J. Exp. Biol. (Zoo.). 2015; 11(2): 133-142
3	<b>Nouf K. Alaqeel</b>	Carnosine Treatment Attenuates Testicular Toxicity Induced by Arsenic in Rats	Life Science Journal 2017;14(2)
4	Ahmed Alsayyah, Reda ElMazoudy, Mashael Al-Namshan, Meneerah Al-Jafary, <b>Nouf Alaqeel</b>	Chronic neurodegeneration by aflatoxin B1 depends on alterations of brain enzyme activity and immunexpression of astrocyte in male rats	Ecotoxicology and environmental safety.2019; 182



5	<b>Nouf Alaqeel</b> , Meneerah Al-Jafary	Mitigation of Cisplatin-Induced Acute Kidney Injury by Punicalagin Therapy in Mice	Cancer Biology 2021;11(1):10-14]. ISSN: 2150-1041
6	<b>Nouf K Alaqeel</b> , Mona H AlSheikh, Mohammed T Al-Hariri	Quercetin Nanoemulsion Ameliorates Neuronal Dysfunction in Experimental Alzheimer's Disease Model	Antioxidants 2022, 11(10), 1986; <a href="https://doi.org/10.3390/antiox11101986">https://doi.org/10.3390/antiox11101986</a>
7	Abdallah S.Salah, Sahar Elnaggar, Ahmed Elsheshtawy Ibtessam saad ALdhuayan, Alamira M. Fouad, Mashael Alnamshan, Hossam Kadira, <b>Nouf K. Alaqeel</b> , Abdel Salam El-Shobokshy, Mustafa S. Atta and Hanan H. Abd ElHafeez	Exploring the multimodal role of Cnicus benedictus Extract in the modulation of growth, hematobiochemical, histopathological, antioxidative performance, and immune-related gene expression of Oreochromis niloticus challenged with Aeromonas hydrophila	Frontiers in Marine Science EISSN2296-7745
8	<b>NK Alaqeel</b> , WH Almalki, N Binothman, M Aljadani, IS Al-Dhuayan, MM Alnamshan, J Almulhim, AI Alqosaibi, MR Ajmal, DM Alammari, M Tarique	The inhibitory and anticancer properties of Annona squamosa L. seed extracts	Braz. J. Biol. 82 • 2022 • <a href="https://doi.org/10.1590/1519-6984.268250">https://doi.org/10.1590/1519-6984.268250</a>
9	Abhinav Raj Ghosh ،Abdulrhman Alsayari ،Alaa Hamed Habib ،Shadma Wahab ،Abhishek P. R. Nadig ،Misbahuddin M. Rafeeq ،Najat Binothman ،Majidah Aljadani ،Ibtessam S. Al-Dhuayan ، <b>Nouf K. Alaqeel</b> ،Mohammad Khalid And Kamsagara Linganna Krishna	Anti-Tumor Potential of Gymnema sylvestre Saponin Rich Fraction on In Vitro Breast Cancer Cell Lines and In Vivo Tumor-Bearing Mouse Models	<i>Antioxidants</i> 2023, 12(1), 134; <a href="https://doi.org/10.3390/antiox12010134">https://doi.org/10.3390/antiox12010134</a>
10	I. Al-Dhuayan <b>N. K. Alaqeel</b>	Molecular docking, ADMET and molecular dynamics simulation revealed metralindole as a multitargeted inhibitor for division kinases	Brazilian Journal of Biology  17 Apr 2023  <a href="https://doi.org/10.1590/1519-6984.271688">https://doi.org/10.1590/1519-6984.271688</a>
11	<b>NK Alaqeel</b>	Antioxidants from different citrus peels as protection against cancer	Brazilian Journal of Biology, Braz. J. Biol. 84 • 2024 • <a href="https://doi.org/10.1590/1519-6984.271619">https://doi.org/10.1590/1519-6984.271619</a>
12	<b>NK Alaqeel</b> , MT Al-Hariri	Ameliorative Effect of Naringenin against Cyclophosphamide-Induced Nephrotoxicity	Saudi Journal of Biological Sciences Volume 30, Issue 6, June 2023, 103674 <a href="https://doi.org/10.1016/j.sjbs.2023.103674">https://doi.org/10.1016/j.sjbs.2023.103674</a>
١٣	Israa M. Shamkh1,* , Mahmoud Elkazzaz2 , Enas. S. Radwan3 , Jawayria Najeeb4 , Md. Tabish Rehman5,6, Mohamed F.	AI-driven Discovery of Celecoxib and Dexamethasone for Exploring their Mode of Action as Human Interleukin (IL-	Current Pharmaceutical Design  2023 Oct 25.



	AlAjmi5 , Moayad Shahwan6, 7, Muhammad Sufyan8 , <b>Nouf Khalifa Alaqeel</b> 9 , Ibrahim A. Ibrahim10, Basit Jabbar11, Mohammad Shahbaz Khan12, Tomasz M. Karpiński13, Abdullah Haikal14,*, Reem M. Aljowaie15 , Saeedah Musaed Almutairi15 and Amr Ahmed16	6) Inhibitors to Treat COVID-19-induced Cytokine Storm in Humans	doi: 10.2174/0113816128260449231017091824.
١٤	Alaa Elmetwalli1,2 · Mohamed O. Abdel-Monem3 · Ali H. El-Far4 · Gehad S. Ghaith3 · Noaf Abdullah N. Albalawi5 · Jihan Hassan6 · Nadia F. Ismail7 · Tarek El-Sewedy6 · Mashael Mashal Alnamshan8 · <b>Nouf K. ALaqeel</b> 8 · Ibtesam S. Al-Dhuayan8 · Mervat G. Hassan3	Probiotic-derived silver nanoparticles target mTOR/MMP-9/BCL-2/dependent AMPK activation for hepatic cancer treatment	<a href="https://doi.org/10.1007/s12032-024-02330-8">https://doi.org/10.1007/s12032-024-02330-8</a>
١٥	<b>Nouf ALaqeel</b>	Protective role of apigenin nanoparticles in cisplatin induced cardiotoxicity in rats	<a href="https://www.emerald.com/insight/0034-6659.htm">https://www.emerald.com/insight/0034-6659.htm</a>

### 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

### 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
١	Environment and development conference in the Arabian Gulf region	27-25)-4-1435 -Sheraton hotel University of Dammam	Co-organization and presentation of the introduction to scientific seminars
٢	Forensics: life from death	٢٠٢٠-٩-١٦ Imam Abudulrahman Bin Faisal University (University of Dammam).	Attended
٣	d-phenylalanine abiocide enhancer of THPS	١٤٤٢-٣-١٧ Imam Abudulrahman Bin Faisal University (University of Dammam).	Attended
٤	Predaceous mites as abio agent	١٤٤٢-٣-١٧ Imam Abudulrahman Bin Faisal University (University of Dammam).	Attended
٥	First scientific meeting entitled (scientific pioneers produced )	20-4/2-5-1429 27-4 /2-5-2008 University of Dammam	Attended
٦	Second scientific meeting entitled (scientific pioneers produced )	18/25-5-1430 13 /20 -5-2009 University of Dammam	Attended
٧	1st Global Conference on Giftedness and Creativity, (Imagining the Future)	22/23-3-1442 8/9-11- 2020 Mawhiba	Attended
٨	Tissue Culture Technology Seminar from Science to Application	24-3-1442 10-11- 2020 Biology department	Attended
٩	Illuminations on the executive rules for promotions, publication awards,	Scientific Council Secretariat 2-7-1443 3-2-2022	Attended



	and the ethics of scientific research		
١٠	The genetic and functional characterization of novel autosomal recessive and dominant ALS genes	٢٠٢٠-١١-١٥ Imam Abudulrahman Bin Faisal University (University of Dammam).	Attended
١١	Effect of zing oxide nanoparticles on vigna	٢٠٢١-٣-١٤ Imam Abudulrahman Bin Faisal University (University of Dammam).	Attended
١٢	Scientific lecture entitled Corona Virus Vaccines: The Concept and Beyond	Imam Abudulrahman Bin Faisal University (University of Dammam). ٢٠٢٠	Attended
١٣	Immune responses in the gastrointestinal tract of chickens		Attended
١٤	Plants in our lives	Imam Abudulrahman Bin Faisal University (University of Dammam). ٢٠٢٣	Attended
١٥	Camel genome	Imam Abudulrahman Bin Faisal University (University of Dammam). ٢٠٢٣	Attended
١٦	Improving the productive and economic efficiency of camels using advanced breeding techniques	Imam Abudulrahman Bin Faisal University (University of Dammam). ٢٠٢٣	Attended
١٧	An innovative study on the effect of alternative medicine against parasitic diseases on the dromedary camel, the Eastern Region	Imam Abudulrahman Bin Faisal University (University of Dammam). ٢٠٢٣	Attended
١٨	The sixth conference of the International Society for Camel Research and Development and its	King Faisal University ٢٠٢٣	Attended



	accompanying exhibition		
١٩	International Algae Conference and Exhibition	Ministry of Environment, Water and Agriculture ٢٠٢٣	Attended
٢٠	The Second International Conference on Food Security and Environmental Sustainability	King Faisal University ٢٠٢٣	Attended
٢١	Scientific seminar: Vaccines against Leishmaniasis	Imam Abudulrahman Bin Faisal University. ٢٠٢٣	Attended
٢٢	Scientific Seminar – B7-H3(CD276) in Epithelial Homeostasis and Cancer Progression	Imam Abudulrahman Bin Faisal University. ٢٠٢٣	Attended
٢٣	Scientific seminar Tribble 3 as integrator of metabolic stresses during lung cancer progression	Imam Abudulrahman Bin Faisal University. ٢٠٢٣	Attended
٢٤	Annual Innovation Gala	Imam Abudulrahman Bin Faisal University. ٢٠٢٤	Participation

#### Membership of Scientific and Professional Societies and Organizations

- Saudi Biological society, Saudi Arabia
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#### Teaching Activities

##### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	<u>General biology</u>	BIOL204 N	Teaching
2	<u>Foundations of parasitology</u>	PARA412	Practical supervision
3	<u>Principles of genetics</u>	ZOOL302	Practical supervision
4	<u>Graduation research</u>	BIOL 504	Research supervision
5	<u>Cell biology</u>	BIOL206	Teaching+ Practical supervision
6	<u>Basic of ecology</u>	BIOL207	Practical supervision
7	<u>microbiology</u>	MICRO307	Practical supervision
8	<u>Chordata-</u>	ZOOL 201	Teaching



٩	<u>Vertebrates Biology-</u>	ZOOL 301	Teaching + Practical supervision
١٠	<u>Forensic Biology</u>	BIOL 406	Practical supervision
11	<u>Water Quality and Sanitation</u>	BIOL 563	Practical supervision

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

<p><b>Cell Biology (BIOL206):</b> The course involves studying the structures and purposes of basic components of prokaryotic and eukaryotic cells (animal and plant), especially macromolecules (proteins, carbohydrates and nucleic acids), membranes and organelles structure. Furthermore, how these cellular components are used to generate and utilize energy in the cells. Also, it involves understanding the cellular components underlying the mitotic cell division (cell cycle). The course involves examples of changes in cell functions in response to the environmental or physical changes that cause mutations (apoptosis, necrosis and cancer).</p>
<p><b>Vertebrates Biology (ZOOL301):</b> This course investigates the systematics of vertebrates. Both, practical and theoretical approaches are used to introduce the diversity of vertebrate's structure and habitat. General characteristics of major vertebrates' classes and subclasses are introduced, followed by investigation of internal and external characteristics of a targeted species within each taxon. Significant principles are considered within each studied organism, including systematic biology, and structural variations among the vertebrates will be examined to explore the functional themes carried within the structure</p>
<p><b>General Biology (BIOL106):</b> This course will provide students with an introduction to the biological of science. Emphasis is placed on understanding the biological organization at all levels. Based on an introduction to cell types, cell cycle, tissues and organ system. Furthermore, this course introduces students to the major kingdoms and main groups within it, emphasizing on invertebrates diversity.</p>

### Postgraduate

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

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

1	
2	

### Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To
1	Cell biology theoretical+ Practical	√		√		2020	2021
2	Vertebrates Biology theoretical+ Practical	√		√		2019	2023
3	Genetics theoretical	√		√		2017	2018
4	Graduation research process	√		√		2020	2021



5	General biology- Practical	√		√		2020	2021
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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
1	Undergraduate	18	2017	2018
2	Undergraduate	18	2019	2020
3	Undergraduate	18	2021	2022
4	Undergraduate	14	2023	2024

### 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
١	1437	1443	Head of the conduct of examinations for the department	Biology Department
٢	1437	1448	Head of the third standard in quality	Biology Department
٣	2018	2019	Deputy Head of Equations in the department	Biology Department
٤	2018	2019	Head of faculty affairs	Biology Department



٥	2017	2018	Committee for the development of academic programs for the bachelor's degree	Biology Department
٦	2017	2018	Library Committee	Biology Department
٧	2017	2018	Committee for sorting female teachers	Biology Department
٨	2019	2023	Evaluation and Examinations Quality Committee 1441-1443	Biology Department
٩	2021	2023	Alumni Committee 1443	Biology Department
١٠	1441	1442	Risk Management Committee 1441	Biology Department
١١	1440	1441	Budget schedules	Biology Department
١٢	٢٠٢٠	٢٠٢١	Head of the Professional Testing Initiative	Biology Department, Science College

### Committee Membership

#	From	To	Position	Organization
	١٤٣٤	١٤٣٥	Arbitration Committee in the National Olympiad for Scientific Creativity Ibdaa 2014 Path of Innovation 1434-1435	The Department of Education in the Eastern Region in cooperation with the King Abdulaziz and His Companions Foundation for Giftedness and Creativity
	١٤٣٥-٤-٢٥	١٤٣٥-٤-٢٧	Environment and development conference in the Arabian Gulf region	Science College – Dammam University
	1442-10-25	1442-10-20	A committee in the arbitration of the creativity competition held in the Biology Department	Science College - Imam Abdulrahman Bin Faisal University
	1442-6-28	29-6-1442	Giving a lecture in the research apprenticeship program	Science College- Imam Abdulrahman Bin Faisal University
	١١-١٢ ٢٠٢٣	٢٠٢٣-١١-٥	Jury for the Space Biology Competition	Biology Department, Science College
	١٤٤٥-١-٥	١٤٤٥-١-٢٣	Providing a training program for students of the Mawhiba Enrichment Program	Mawhiba Program -Imam Abdulrahman Bin Faisal University

### Scientific Consultations

#	From	To	Institute	Full-time or Part-time



## Volunteer Work

#	From	To	Type of Volunteer	Organization

## Training courses and Workshops

Training		
Workshops	Training courses	Other
Effective methods of evaluating students 3-27-1435	International computer driving license	A course in personal planning SKILL
Interactive education workshop and student integration in learning 3-26-1435	INTERNATIONAL COMPUTER DRIVING LICENSE SYLLABUS VERSION: 4.0	Diploma in Neuro Linguistic Programming Diploma in NLP
Work shop on learning out comes for programs and courses October 18, 2016	Effective academic leader training course held in Istanbul 15-19/6/1435	A course in communication skills in dialogue
A workshop entitled Social Networking Sites by Teaching 2-9-1437	"Building communication networks for researchers to promote research" Imam Abdulrahman bin Faisal University - 10-Rajab-1439	Microsoft Wind + word  a program Photoshop+swish+p.shop
A workshop entitled Targeted Inquiry Strategy 10-4-1437	"Management of referential citation of information sources using - Imam Abdul Rahman bin Faisal University - 25 - Jumada Thani - 1439 Endnote Web"	Computer maintenance course
A workshop entitled The Art of Lecture for a University Professor 11-4-1437	Visual Learning - Deanship of University Development - 5-7-1439	Presentation of the experiences of the winners of the University of Dammam Award for Excellence in Teaching 3-28-1435
A workshop entitled Formulating Multiple Test Questions to Measure Thinking Skills 10-1-1438	Emotional intelligence skills for students and university professors - Deanship of University Development 5/6/1439	Panel discussion: Distance education pros and challenges
A workshop entitled Using SOCRATIVE Application in Education 11-25-1436	Enhancing student learning through feedback - Deanship of Academic Development 5/7/1439	Pioneers program from the university
A workshop entitled Student Identity as an Introduction to Success 11-5-1436	Learning Outcomes - 4-5/7/1439 - The National Center for Academic Accreditation and Assessment	Genome-wide Differential gene expression analysis using Linux operating
Workshop entitled Teaching through projects 2-11-1436		



A workshop entitled Teaching by Differentiation 4-11-1436	"Building communication networks for researchers to promote research" Imam Abdulrahman bin Faisal University - 10-Rajab-1439	system and R programming language - 14 / February / 2023-
A workshop entitled producing educational films 21-5-1437	Visual Learning - Deanship of University Development - 5-7-1439	Attending the special meeting to raise the level of the university's ranking in various international classifications
A workshop entitled Social Networking Sites by Teaching 2-9-1437	Enhancing education using technology	Genome-wide differential gene expression analysis using Linux
A workshop entitled Targeted Inquiry Strategy 10-4-1437	Effective university teaching in exceptional circumstances	R programming language and system
A workshop entitled The Art of Lecture for a University Professor 11-4-1437	Use of social media in education Academic integrity and avoid plagiarism	Designing interactive presentations
A workshop entitled Formulating Multiple Test Questions to Measure Thinking Skills 10-1-1438	Supporting the selection of the research topic and the construction of the research paper	Creative orientation
A workshop entitled Using SOCRATIVE Application in Education 11-25-1436	How to formulate search strategies and access to library information sources	Creative educational leadership
A workshop entitled Student Identity as an Introduction to Success 11-5-1436 MS Forms workshop	Copy courses and archive them in the Blackboard	Academic promotions for faculty members
Meeting workshop using MS Teams	Instructional design according to the ADDIE model	Workshop on applications of artificial intelligence in e-commerce
Students' motivation in learning	University teaching in light of the requirements of development, the labor market and the skills of the 21st century	Scientific promotions for teaching members
Develop positive thinking among students	Use blogs for teaching and learning purposes	Strategic leadership
Planning the professional development of a faculty member	Applications to support people with special needs in education	The first scientific harvest in the Biology Department
Testing as a learning tool (technical strategies and applications)	Preparing the assessment matrix	Project-based learning
	Strategies for activating participatory learning in a distance learning environment	Search registration mechanism in the Social Responsibility Bank
		Effective teaching practices



Enhancing learning using electronic educational activities	Experiential learning in the classroom	The effectiveness of camels in science
A meeting introducing the strategic plan of the College of Science	Methods and tools for measuring values	How to design professional and engaging presentations for your students
Activate volunteering through the volunteer work platform	Activating Google Extensions in Education	Introduction to artificial intelligence
The art of writing a resume	Distinguished Leadership Program	
A meeting introducing the strategic plan of the College of Science	Enhance learning using e-learning activities	
Micro teaching	Using the Zoom program in education is an advanced level	
Care facilitator workshop for psychological and academic services	Project evaluation	
A training workshop using the extraction tool	Preparing the operational plan for the academic program	
	Using Zoom in education	
	Measuring learning outcomes using Blackboard	
Project-based learning	Create an interactive infographic	
Effective leadership	Preparing the operational plan for the academic program	
Kahoot interactive educational competitions platform	Originality in Scientific Research Program	
Faculty member charisma		
Project-based learning	The role of the leader in activating design thinking	
Effective leadership		
Kahoot interactive educational competitions platform		
Introduction to artificial intelligence		
Generative artificial intelligence in education		



How artificial intelligence is improving education		
Workshop entitled Air Quality		
Exploring values in Saudi higher education		
Lecture from idea to design		

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

1	Laboratory Techniques: Experience in tissue techniques and preparations.
2	Handling and dissection of experimental animal
٣	Computer (PowerPoint - Blackboard - Net - Social networking sites)
٤	All computer programs.
٥	Teamwork, leadership, creativity and innovation.
٦	Diploma in NLP
٧	personal planning SKILL

Last Update

...12./22.../2024

