



## Dr: Amany Ibrahim Mohammad Alqosaibi

Associate Professor in Molecular Genetics and Gene Regulation

### Personal Data

Nationality | Saudi

Date of Birth | 05/01/1980

Department | Biology

Official IAU Email | [jamgosaibi@iau.edu.sa](mailto:jamgosaibi@iau.edu.sa)

Office Phone No. | 009661333337298

ResearcherID	A-3379-2015
Scopus Author ID	<a href="https://www.scopus.com/authid/detail.uri?authorId=57210147522">https://www.scopus.com/authid/detail.uri?authorId=57210147522</a>
ORCID ID	<a href="https://orcid.org/0000-0001-8348-9451">https://orcid.org/0000-0001-8348-9451</a>
Google Scholar link	<a href="https://scholar.google.com/citations?user=zM9Q_EAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=zM9Q_EAAAAJ&amp;hl=en</a>
linkedin	<a href="http://linkedin.com/in/dr-amany-alqosaibi-0657aa91">http://linkedin.com/in/dr-amany-alqosaibi-0657aa91</a>

### Language Proficiency

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

### Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2023	Associate Professor	Imam Abdulrahman Bin Faisal University	Saudi Arabia
2021	Fellowship (FHEA)	Imam Abdulrahman Bin Faisal University and Advance HE	Saudi Arabia in collaboration with UK
2015	PhD	The University of Nottingham	United Kingdom
2009	Master	King Faisal University	Saudi Arabia
2002	Bachelor	Science College for girls	Saudi Arabia

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

NCBE	The National Committee of BioEthics at King Abdulaziz City for science and Technology (KACST), <b>BIOETHIC TRAINING COURSE</b> , NO:10023084
Fellowship	The fast-track certificate in learning and teaching in higher education ( <b>CLTHE</b> ), Fellowship



<b>PhD</b>	Post-Transcriptional Regulation in Telomere Position Effect in Yeast
<b>Master</b>	Cytogenetical Studies of the Effects of Vitamins B6, Folic Acid and B12 Deficiencies on Bone Marrow Chromosomes in Male Albino Mice.

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

Job Rank	Place and Address of Work	Date
Associate Professor	Biology department, College of science, Imam Abdulrahman Bin Faisal University (University of Dammam).	2023- present
Assistant Professor	Biology department, College of science, Imam Abdulrahman Bin Faisal University (University of Dammam).	2016- 2023
Lecturer	Biology department, College of science, University of Dammam.	2010-2016
Demonstrator	Biology department, College of science University of Dammam.	2004-2010

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

Administrative Position	Office	Date
Head of Academic Programs Development Unit, College of Science	Academic Programs Development Unit, College of Science	2020-2021
Vice Dean of Admission and Registration for Female section	Vice Dean of Admission and Registration for Female section	2017- 2020

#### Scientific Achievements

##### Patent

Title	Registration No.	Office	Date
Engineered keratinases derived from Bacillus cereus and enhanced methods for biodegrading feathers and other keratin-containing materials	U.S. Pat. No. 12,146,172 B2	The United States Patent and Trademark Office (USPTO)	19-11-2024



### Published Refereed Scientific Research

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Nagla Zaky Ibrahim El-Alfy, Mahmoud Fathy Mahmoud, Amany Ibrahim Alqosaibi and Sally Ramadan Gabr El-Ashry	Genotoxic Effect of Methotrexate on Bone Marrow Chromosomes and DNA of Male Albino Mice (Mus musculus)	The Egyptian Journal of Hospital Medicine, 2016, (64) 350- 363
2	Nagla Zaky Ibrahim El -Alfy, Amany Ibrahim Alqosaibi, Mahmoud Fathy Mahmoud, and Sally Ramadan Gabr El-Ashry	An analysis of micronuclei and DNA damage induced by Methotrexate treatment in bone marrow of Male Albino Mice (Mus musculus)	The Egyptian Journal of Hospital Medicine, 2016, (65) 504- 514
3	Mervat A. Ahmed, Amany I. Alqosaibi, Mona A. Mohamed and Maha G. Soliman	Evaluation of some cytokines and Gene expressions in pre-eclamptic	Pak. J. Biol. Sci., 22 (3): 148-153, 2019
4	Hussein Sabit, Emre Cevik, Huseyin Tombuloglu, Katrine Farag, Osama AM Said, Shaimaa E Abdel-Ghany, Amany I Alqosaibi, Huseyin Bekir Yildiz, Ferhad Serag ElDeen, Eman Wagih and Mokhtar El-Zawahri	miRNA Profiling in MCF-7 Breast Cancer Cells: Seeking a New Biomarker	J. Biomed. Sci, Vol.8 No.2:3, 2019
5	Hussein Sabit, Shaimaa Nazir, Shaimma Abdel-Ghany, Osama A Said, Eman W. Mohammed, Omnia M. Badawy, Ashraf El-zayyat, Amany I. Alqosaibi, Emre Cevik, Huseyin Tombuloglu, Mokhtar Elzawahri.	Poly (ADP-ribose) Polymerase Promoter Hypermethylation Predispose Females to Breast Cancer	Asian Pac J Cancer Biol, 3 (4), 105-109, 2018
6	Shaimaa E. Abdel-Ghany, Eman El-Sayed, Nour Ashraf, Nada Mokhtar, Amany Alqosaibi, Emre Cevik, Ayhan Bozkurt, Eman W. Mohamed, Hussein Sabit	Titanium Oxide Nanoparticles Improve the Chemotherapeutic Action of Erlotinib in Liver Cancer Cells	Current Cancer Therapy Reviews, Volume 16, 4 Issues, 2020
7	Hussein Sabit & Amany Alqosaibi	Book titled (CRISPR/Cas9 Revolutionizing the biological arena)	2020, published by Imam Abdulrahman bin Faisal University.
8	أمانى القصيبي وآخرون	"الدليل الأكاديمي"	جامعة الإمام عبد الرحمن بن فيصل 1439هـ ردمك: 978- 603-91072-3-1
9	Nagla Z. El-Alfy, Amany I. Alqosaibi, Mahmoud F Mahmoud, Asmaa A Emam	Role of Propolis against Monosodium Glutamate Genotoxicity by Chromosomal Aberration, Micronucleus Test and Comet Assay in Males	Der Pharmacia Lettre, 2020, 12 (8): 13-22
10	Nagla Zaky Ibrahim El -Alfy, Mahmoud Fathy Mahmoud, Amany Ibrahim Alqosaibi and Ayman Mohammad Abdullah	Genotoxic Effects of Depakine and/or Epanutin on Male Albino Mice Mus	wjpps, Vol 9, Issue 9, 2020



		Musculus: Cytological and Molecular Study	
11	Mutaib M. Mashraqi, Navaneet Chaturvedi, Qamre Alam, Saleh Alshamrani, Mosa M. Bahnass, Khurshid Ahmad, Amany I. Alqosaibi, Mashael M. Alnamshan, Syed Sayeed Ahmad, Mirza Masroor Ali Beg, Abha Mishra, Sibhghatulla Shaikh, and Syed Mohd Danish Rizvi	Biocomputational Prediction Approach Targeting FimH by Natural SGLT2 Inhibitors: A Possible Way to Overcome the Uropathogenic Effect of SGLT2 Inhibitor Drugs	Molecules 2021, 26, 582.
12	Amany I. Alqosaibi, Shaimaa Abdel-Ghany, Hussein Sabit	Temozolomide modulates the expression of miRNAs in colorectal cancer	Cancer Treatment and Research Communications, 27 (2021) 100308
13	Khlood Algothmi, Hadeel Kalboneh, Aisha Alrofaidi, Mona Alharbi, Reem Farsi, Najla Alburae, Magdah Ganash, Alawiah Alhebshi, Fatema Basingab, Sheren Azhari, Manal Shaabad, Ashraf Dallol, Amany Alqosaibi, Mohammed Jan, Hesham Aldhalaan, Safiah Alhazmi	Effect of CpG Sites on Transcription Factor in Promoter of 'RASA3' Gene	International Journal of Pharmaceutical and Phytopharmacological Research(eIJPPR) Volume 11, Issue 1, Page 120-124, 2021
14	Nagla Zaky Ibrahim El -Alfy and Amany Ibrahim Alqosaibi	Hepatic Injuries Induced by Phentolep Drug and Hepatic Regenerative Capacity in Male Albino Mice Mus Musculus: Molecular and Histological Studies	World Journal of Pharmacy and Pharmaceutical Sciences Vol 10, Issue 2, 2021
15	Hussein Sabit, Shaimaa Abdel-Ghany, Huseyin Tombuloglu, Emre Cevik, Amany Alqosaibi, Fatma Almulhim and Afnan Al-Muhanaa	New Insights on CRISPR/Cas9-based Therapy for Breast Cancer	Genes and Environment (2021) 43:15
16	N. Z. E. Alf, A. Alqosaibi, Mahmoud Fathy Mahmoud, Ayman Mohammad Abdullah	Evaluation of hepatotoxicity of two famous antiepileptic drugs depakine and / or epanutin in male albino mice Mus musculus: integrated biochemical and histological studies	Indian Journal of Public Health Research and Development Vol. 11 No. 11, 2020
17	Misbahuddin M. Rafeeq, Ziaullah M. Sain, Norah A. Alturki, Ahmad Alzamami, Saeed A. Asiri, Mutaib M. Mashraqi, Amany I. Alqosaibi, Mashael M. Alnamshan, Abdulrahman Almutairi, Abdulkhaliq Munawir Alanazi and Qamre Alam	Computational Screening of Natural Compounds for the Discovery of Potential Aromatase Inhibitors: A Promising Therapy for Estrogen-Dependent Breast Cancer	Journal of Pharmaceutical Research International 33(32A): 72-78, 2021
18	Aisha Alrofaidi, Raghad Alghamdi, Mona Alharbi, Khlood Algothmi, Reem Farsi, Najla Alburae, Magdah Ganash, Alawiah Alhebshi, Fatemah Basingab, Sheren Azhari, Manal Shaabad, Ashraf Dallol, Amany	Association Between RAS-Like Proto-Oncogene B (RALB) Gene Expression and Methylation Levels in Saudi Autistic Children	International Journal of Pharmaceutical and Phytopharmacological Research(eIJPPR)   February 2021   Volume 11   Issue 1   Page 173-176



	Alqosaibi, Mohammed Jan, Hesham Aldhalaan, Safiah Alhazmi		
10	Ibtesam Al-Dhuayan, Essam Kotb, Amany Alqosaibi and Amal Mahmoud	Histological Studies on a Newly Isolated Bacillus subtilis D10 Protease in the Debridement of Burn Wound Eschars Using Mouse Model	Pharmaceutics 2021, 13, 923.
21	Aisha Alrofaiidi, Rawan Saeed Alghamdi, Mona Alharbi, Khloud Algothmi, Reem Farsi, Najla Alburae, Magdah Ganash, Fatemah Basingab, Sheren Azhari, Heba Alkhatabi, Aisha Elaimi, Manal Shaabad, Ashraf Dallol, Amany Alqosaibi, Mohammed Jan, Hesham Aldhalaan and Safiah Alhazmi	The Correlation between Gene Expression and DNA Methylation Levels of RAS p21 Protein Activator 3 (RASA3) Gene in Saudi Autistic Children	Journal of Pharmaceutical Research International 33(33B): 20-26, 2021
21	Amal Mahmoud, Essam Kotb, Amany I. Alqosaibi, Ahmed A. Al-Karmalawy, Ibtesam S. Al-Dhuayan, Hameedah Alabkari	In vitro and in silico characterization of alkaline serine protease from Bacillus subtilis D9 recovered from Saudi Arabia	2021, HELIYON, Published by Elsevier Volume 7, Issue 10, E08148.
22	Muhammad Umair, Farooq Ahmad, Saeed Ahmad, Qamre Alam, Mohd Rehan, Amany I. Alqosaibi, Mashael M. Alnamshan, Misbahuddin M Rafeeq, Shahnaz Haque, Ziaullah M Sain, Muhammad Ismail and Majid Alfadhel	A novel homozygous missense mutation in the zinc finger DNA binding domain of the GLI1 causes recessive post-axial polydactyly	2021, Front. Genet. 12:746949.
23	Wesam Al-Amarat, Mohammad H. Abukhalil, Osama Y. Althunibat, Manal A. Alfwuaires, Mashael M. Alnamshan, Amany I. Alqosaibi, Ahmad F. Ahmeda, Emadeldin M. Kamel, Hany H. Arab and Ayman M. Mahmoud	Galangin Attenuates Liver Injury, Oxidative Stress and Inflammation, and Upregulates Nrf2/HO-1 Signaling in Streptozotocin-Induced Diabetic Rats	Processes 2021, 9, 1562.
24	Fatma Al-Mulhim, Amany I. Alqosaibi, Afnan Al-Muhanna, Khalid Farid, Shaimaa Abdel-Ghany, Hamdy Rizk, Abdel-Bary Prince, Adaugo Isichei, Hussein Sabit	CRISPR/Cas9-mediated activation of CDH1 suppresses metastasis of breast cancer in rats	Electronic Journal of Biotechnology Volume 53, September 2021, Pages 54-60
25	Nagla Zaky Ibrahim El -Alfy, Amany Ibrahim Alqosaibi, Mahmoud Fathy Mahmoud, Ayman Mohammad Abdullah	Appraisal of Genotoxicity and Cytotoxicity of Depakine® and/or Epanutin® in Bone Marrow Erythrocytes and Hepatocytes of Male Albino Mice by Comet and Micronucleus Assays	Medico-legal Update, January-March 2021, Vol. 21, No. 1
26	Arwa Ali Almahasheer, Amal Mahmoud, Hesham Elkomy, Amany I. Alqosaibi, Sultan Akhtar, Sayed AbdulAzeez, and J. Francis Borgio	Novel feather degrading keratinases from Bacillus cereus group: Biochemical, genetic and bioinformatics analysis	Microorganisms 2022, 10: 93
27	Amany I Alqosaibi, Shaimaa Abdel-Ghany, Fatma Al-Mulhim, Hussein Sabit	Vorinostat enhances the therapeutic potential of Erlotinib via MAPK in lung cancer cells	Cancer Treatment and Research Communications



			Volume 30, 2022, 100509
28	Mutaib M. Mashraqi, Navaneet Chaturvedi, Qamre Alam, Saleh Alshamrani, Mosa M. Bahnass, Khurshid Ahmad, Amany I. Alqosaibi, Mashael M. Alnamshan, Syed Sayeed Ahmad, Mirza Masroor Ali Beg, Abha Mishra, Sibhghatulla Shaikh, and Syed Mohd Danish Rizvi	Chapter in a Book entitle: Computational Approaches: Drug Discovery and Design in Medicinal Chemistry and Bioinformatics Chapter title: Biocomputational Prediction Approach Targeting FimH by Natural SGLT2 Inhibitors: A Possible Way to Overcome the Uropathogenic Effect of SGLT2 Inhibitor Drugs Molecules 2021, 26, 582. <a href="https://doi.org/10.3390/molecules26030582">https://doi.org/10.3390/molecules26030582</a>	Published: December 2021 in Molecules ISBN 978-3-0365-2779-6
29	Khlood Algothmi, Amal Alqurashi, Aisha Alrofaiidi, Mona Alharbi, Reem Farsi, Najla Alburae, Magdah Ganash, Sheren Azhari, Fatemah Basingab, Asma Almuhammadi, Amany Alqosaibi, Heba Alkhatabi, Aisha Elaimi, Mohammed Jan, Hesham Aldhalaan, Aziza Alrafiah, Safiah Alhazmi	DNA Methylation Level of Transcription Factor Binding Site in The Promoter Region of Acyl-CoA Synthetase Family Member 3(ACSF3) in Saudi Autistic Children	Pharmacogenomics and Personalized Medicine, 2022
30	Shan He, Abdulraheem Ali Almalki, Misbahuddin M. Rafeeq, Ziaullah M. Sain, Amany I. Alqosaibi, Mashael M. Alnamshan, Ibtesam S. Al-Dhuayan, Abdul Rahaman, Yang Zhang, Hamsa Jameel Banje, Farah Anjum, Haitham Ali M. Alzghaibl, Ali H. Alharbi, and Qazi Mohammad Sajid Jamal	Targeting Cytotoxin-Associated Antigen A, a Virulent Factor of Helicobacter pylori-Associated Gastric Cancer: Structure-Based In Silico Screening of Natural Compounds	Molecules, 2022, Volume 27, Issue 3
31	Anwar Ullah, Zhaohan Lin, Muhammad Younus, Sarfraz Shafiq, Shazia Khan, Memoona Rasheed, Arif Mahmood, Amany I Alqosaibi, Mohammed Ali Alshehri, Amjad Khan, Muhammad Umair	Homozygous missense variant in POPDC3 causes recessive limb girdle muscular dystrophy type 26	Journal of Gene Medicine, 2022, 24(4):e3412.
32	Amany I. Alqosaibi	Nanocarriers for anticancer drugs: challenges and perspectives	Saudi Journal of Biological Sciences, Volume 29, Issue 6,
33	Ahmed Waqas, Anam Nayab, Shabnam Shaheen, Safdar Abbas, Muhammad Latif, Misbahuddin M. Rafeeq, Ibtesam S. Al-Dhuayan, Amany I. Alqosaibi, Mashael M. Alnamshan, Ziaullah M. Sain, Alaa Hamed Habib, Qamre Alam, Muhammad Umair and Muhammad Arif Nadeem Saqib	Biallelic Variant in the tRNA methyltransferase domain of the AlkB Homolog 8 causes Syndromic Intellectual Disability	Frontiers in Genetics. Volume 13, 2022
34	Abdelrazeq M Shehata, Vinod Kumar Paswan, Youssef A Attia,	In ovo inoculation of Bacillus subtilis and raffinose affects growth performance,	Frontiers Nutrition, Volume 9, 2022



	Mohammed Sh Abougabal, Tarek Khamis, Amany I Alqosaibi, Mashael Alnamshan, Reda Elmazoudy, Mohamed A Abaza, Ehab A A Salama, Mohamed Talaat El-Saadony, Ahmed M Saad and Abdel-Moneim Eid Abdel-Moneim	cecal microbiota, volatile fatty acid, ileal morphology and gene expression, and sustainability of broiler chickens ( <i>Gallus gallus</i> )	
35	Safiah Alhazmi, Maryam Alzahrani, Reem Farsi, Mona Alharbi, Khloud Algothmi, Najla Alburae, Magdah Ganash, Sheren Azhari, Fatemah Basingab, Asma Almuhammadi, Amany Alqosaibi, Heba Alkhatabi, Aisha Elaimi, Mohammed Jan, Hesham M Aldhalaan, Aziza Alrafiah, Aisha Alrofai	Multiple Recurrent Copy Number Variations (CNVs) in Chromosome 22 Including 22q11.2 Associated with Autism Spectrum Disorder	Pharmacogenomics and Personalized Medicine, 2022:15 705–720
36	Amany I. Alqosaibi, Amal Mahmoud, Essam Kotb, Yan Huang, Ibtesam S. Al-Dhuayan, Safiah Alhazmi, Amany A. Bahloul, Shaima T. Okasha, Hend Al Otaibi, Najwa AlYami, and Edward Louis	<i>Saccharomyces cerevisiae</i> strain OS303 expression of a Alka-line protease from a newly isolated <i>Bacillus subtilis</i> D9	Brazilian Journal of Biology, 2022
37	Sultan Akhtar, Seyda Tugba Gunday, Amany I. Alqosaibi, Hanan Aldossary, Ayhan Bozkurt, Firdos Alam Khan	Template-free preparation of iron oxide loaded hollow silica spheres and their anticancer proliferation capabilities	RSC Advances, Volume 12,2022
38	Adam A. A. Sulaiman, Saeed Ahmad Saeed, Mujahid Hashimi, Amany I. Alqosaibi, AbdulMalik Puthan Peedikakkal, Ali Alhoshani, Nasser B. Alsaleh, Anvarhusein A. Isab	Novel dinuclear gold(II) complexes containing Bis (diphenylphosphano) alkanes and (Biphenyl-2-yl)(di-tert-butyl) phosphane: Synthesis, structural characterization and anticancer activity	New Journal of Chemistry,2022
39	S. Alhazmi, B. Aljahdli, R. Farsi, M. Alharbi, K. Algothmi, N. Alburae, M. Ganash, S. Azhari, F. Basingab, A. Almuhammadi, A. Alqosaibi, H. Alkhatabi, A. Elaimi, M. Jan, H. Aldhalaan, R. Alyoubi, A. Alrafiah, A. Alrofai	The Correlation Between Copy Number Variation in Chromo-some 14 and DNA Methylation in Saudi Autistic Children	European Review for Medical and Pharmacological Sciences,2022
40	N. K. Alaqeela , W. H. Almalkib , N. Binothmanc , M. Aljadanic , I. S. Al-Dhuayana, M. M. Alnamshana , J. Almulhimd , A. I. Alqosaibia , M. R. Ajmale , D. M. Alammarif and M. Tariqueg	The inhibitory and anticancer properties of <i>Annona squamosa</i> L. seed extracts	Brazilian Journal of Biology,2022
41	Amany I. Alqosaibi and Shaimaa Abdel-Ghany	Vorinostat induces G2/M cell cycle arrest in breast cancer cells via upregulation of PTEN	European Review for Medical and Pharmacological Sciences, 2023
42	B. Alobaidi, S.M. Hashimi, A.I. Alqosaibi, N. Alqurashi, S. Alhazmi	Targeting the monocarboxylate transporter MCT2 and lactate dehydrogenase A LDHA	European Review for Medical and



		in cancer cells with FX-11 and AR-C155858 inhibitors	Pharmacological Sciences,2023
43	Mohammed Ali Alshehri, Saeed Ahmed Asiri, Abdulrahman Alzahrani, Reem S Alazragi, Leena S Alqahtani, Amany I Alqosaibi, Mashael M Alnamshan, Qamre Alam, Misbahuddin M Rafeeq	Multitargeted inhibitory effect of Mitoxantrone 2HCl on cervical cancer cell cycle regulatory proteins: A multitargeted docking-based MM\GBSA and MD Simulation Study	Medical oncology, 2023
44	Nawal Helmi, Abdullah Hamadi, Osama M. Al-Amer, Hassan A. Madkhali, Atif Abdulwahab A. Oyouni, Amany I. Alqosaibi, Jawaher Almulhim, Rashed Mohammed Alghamdi, Israa J. Hakeem, Misbahuddin M. Rafeeq	Unveiling the potency of FDA-approved oxidopamine HBr for cervical cancer regulation and replication proteins	Medical oncology, 2024
45	Afaf Altrawy, Maye M. Khalifa, Asmaa Abdelmaksoud, Yomna Khaled, Zeinab M. Saleh, Hager Sobhy, Shaimaa Abdel-Ghany, Amany Alqosaibi, Afnan Al-Muhanna, Jawaher Almulhim, Ahmed El-Hashash, Hussein Sabit , and Borros Arneth	Metabolites in the Dance: Deciphering Gut-Microbiota-Mediated Metabolic Reprogramming of the Breast Tumor Microenvironment	Cancers, 2024

### Supervision of Master and/or PhD Thesis

(In Chronological Order Beginning with the Most Recent)

#	Degree Type	Title	Institution	Date
1	Master	Studies on keratinase gene of some keratinolytic bacteria dominated in the Eastern Region of Saudi Arabia	IAU	2020-2022
2	Master	Targeting the Unique Tumor Microenvironment and Metabolism	IAU	2020-2022

### Current /completed Research

#	Research Title	Name of Investigator(s)	
1	Integration of Transcriptome and Exome Genotyping in Alzheimer Saudi patients	Amany Alqosaibi, et al.	-
2	miR-469, miR-1185, miR-654, miR-3183 and miR-495 are downregulated in colorectal cancer cells and have putative roles in the mTOR pathway	Naif AlQurashi, et al.	Awarded by DSR
3	Evaluation of a novel in polycystic ovary, breast cancer and teratology of <i>Costus speciosus</i> extract: Genotoxic, biochemical and histopathological aspects	Amany Alqosaibi, et al.	Awarded by DSR



4	Exploration and utilization of Phyto-beneficial and halo-tolerant Endophytes as a Substitute for Sustainable and Eco-friendly Agriculture in Kingdom of Saudi Arabia	Shahzad Raheem, et al.	Awarded by DSR
5	CRISPR/Cas9 approach to control Breast Cancer via activation of CDH1 in rats.	Afnan Al-Muhanaa, et al.	Awarded by DSR
6	A study on the telomere length for age estimation in a Saudi population	Mohammed Madadin, et al.	<b>Completed</b> Awarded by DSR
7	Yeasts as cell factory and expression system for the production of commercial alkaline Protease	Amany Alqosaibi, et al.	<b>Completed</b> Awarded by DSR

### Research Interests

#	Research Interests
	Molecular Biology, genomics, Bioinformatics, RNA biology, Gene regulation, Gene silencing, Epigenetics, Telomere biology, Cancer biology, Forensic biology.

### Professional Research experience

#	Professional Research experience
	<ul style="list-style-type: none"> <li>• Experience in molecular biology techniques such as; PCR, RT-PCR, qRT-PCR, Western blotting technique, flow cytometry, cDNA-synthesis, Rapid amplification of cDNA, Primer/Probe synthesis, Point mutation, knock out gene, screen the whole gene deletion collection.</li> <li>• DNA: Isolation, purification, cloning, sequencing, electrophoresis.</li> <li>• RNA: Isolation and purification.</li> <li>• Chromosomal aberrations.</li> <li>• Cell culture technique.</li> <li>• Cell proliferation and cytotoxicity.</li> <li>• Molecular docking and molecular dynamics simulation.</li> <li>• Dealing and treatment of experimental animals.</li> <li>• Preparation of slides (preparing animal tissues, chromosomes and slides to be examined microscopically).</li> </ul>

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	British Yeast Group Conference	21st -23rd March 2013, Nottingham, United Kingdom.	Attended with a scientific contribution (poster presentation)



2	Telomeres & Telomerase meeting at Cold Spring Harbor Laboratory	April 30 – May 4, 2013, Cold Spring Harbor Laboratory, New York, United States of America.	Attended with a scientific contribution (poster presentation)
3	The scientific talks at the UK Genome Science Meeting	2 <sup>nd</sup> -4 <sup>th</sup> Sep 2013, Nottingham, United Kingdom.	Attended with a scientific contribution (poster presentation)
4	Personal skills for the working environment: A conference for PG students	10 <sup>th</sup> Jan 2013, Nottingham, United Kingdom.	Attended
5	The 12th East Midlands Proteomics conference	6 <sup>th</sup> Nov 2013, Leicester, United Kingdom.	Attended
6	Researcher-led seminar series - multiplex sample analysis and Luminex,	7 <sup>th</sup> Nov 2013, Nottingham United Kingdom.	Attended
7	Flow Cytometry meeting	13 <sup>th</sup> Nov 2013, Nottingham United Kingdom.	Attended
8	Functional Genomics & Systems Biology Conference	21 <sup>st</sup> -23 <sup>rd</sup> Nov 2013, Wellcome Trust Conference Centre, Hinxton, Cambridge, United Kingdom.	Attended with a scientific contribution (poster presentation)
9	RNA-UK 2014	24-26 <sup>th</sup> Jan 2014, Windermere, Lake District, United Kingdom.	Attended with a scientific contribution (poster presentation)
10	The 7th Saudi Student Conference-UK	1 <sup>st</sup> - 2 <sup>nd</sup> Feb 2014, Edinburgh, United Kingdom.	Attended with a scientific contribution (poster presentation)
11	The Scientific Laboratory Show & Conference.	14 <sup>th</sup> May 2014, Nottingham, United Kingdom.	Attended
12	Circling the Square- Research, Politics, Media and Impact' Conference	20 <sup>th</sup> -22 <sup>nd</sup> May 2014, University of Nottingham, United Kingdom.	Attended
13	The M5 Biomedical Imaging Conference	9 <sup>th</sup> Sep 2014, Nottingham, United Kingdom.	Attended with a scientific contribution (poster presentation)
14	The Complex Life of mRNA at the EMBO- EMBL.	5 <sup>th</sup> – 8 <sup>th</sup> Oct 2014, EMBL Advanced Training Centre, Heidelberg, Germany.	Attended with a scientific contribution (poster presentation)
15	British Yeast Group Conference	25 <sup>th</sup> -27 <sup>th</sup> March 2015, Manchester Institute of Biotechnology (MIB), The University of Manchester, United Kingdom.	Attended with a scientific contribution ( <b>Oral presentation</b> )
16	M4 MIDLANDS MOLECULAR MICROBIOLOGY MEETING	14 <sup>th</sup> - 15 <sup>th</sup> Sep 2015, University of Nottingham	Attended with a scientific contribution (poster presentation)



17	The 4th Saudi International Nanotechnology Conference	25 <sup>th</sup> -27 <sup>th</sup> Oct 2016, King Fahd University of Petroleum & Minerals, Saudi Arabia, Dammam.	Attended
18	The 3rd Middle East Molecular Biology Congress and Exhibition	14 <sup>th</sup> - 17 <sup>th</sup> Nov 2016, Research Complex, Qatar University, Doha, Qatar.	Attended
19	Jojoba reality and hope in biotechnology	29 <sup>th</sup> Nov 2017, King Faisal university in cooperation with Aramco, Alhassa, Saudi Arabia.	Attended
20	The 3rd Annual National Academic Training and Development Program (NATDP) Symposium.	22 <sup>nd</sup> Mar 2018, King Abdullah University of Science and Technology (KAUST)	Attended
21	International conference on education evaluation ICEE 2018	4 <sup>th</sup> - 6 <sup>th</sup> Dec 2018, The education evaluation commission, Saudi Arabia, Riyadh.	Attended
22	Sustainable development of desert regions conference	22 <sup>nd</sup> -24 <sup>th</sup> Jan 2019, Imam Abdulrahman Bin Faisal University, Saudi Arabia, Dammam.	Attended
23	The international Conference on Education & Training Evaluation 2020	14 <sup>th</sup> -15 <sup>th</sup> Oct 2020. Education and training evaluation commission in partnership with the G20 Saudi secretariat, Saudi Arabia.	Held virtually
24	Brazilian bioenergy science and technology conference BBEST 2020-2021 - Biofuture summit II 2020	15 <sup>th</sup> Oct 2020, Brazil	Held virtually
25	First scientific conference of heads and supervisors of scientific departments	10 <sup>th</sup> -12 <sup>th</sup> Nov 2020, King Abdulaziz University, Saudi Arabia.	Held virtually
26	International webinar on science, sustainable development, and ecosystem in Saudi Arabia 2021	6 <sup>th</sup> -7 <sup>th</sup> Apr 2021, Imam Abdulrahman Bin Faisal University, Saudi Arabia, Dammam	Held virtually
27	Riyadh Global Medical Biotechnology Summit	14 <sup>th</sup> -16 <sup>th</sup> Sep 2021, King Abdullah International Medical Research Center (KAIMRC) & Ministry of National Guard - Health Affairs	Held virtually
28	The 5 <sup>th</sup> international conferences of the Arab society for forensics	23 <sup>rd</sup> -25 <sup>th</sup> Nov 2022, Naif Arab University for Security Sciences, Riyadh	Held virtually



	sciences and forensic medicine		
29	The Second International Webinar on Science, Sustainable Development and Ecosystem in Saudi Arabia 2022	14 <sup>th</sup> -17 <sup>th</sup> Feb 2022, Imam Abdulrahman Bin Faisal University, Saudi Arabia, Dammam	Held virtually
30	The 1 <sup>st</sup> international conference on food security and environmental sustainability	7 <sup>th</sup> Mar 2022, The Ministry of Environment, Water and Agriculture (MEWA), and the Arab Organization for Education, Culture and Science (Alexo) at king Faisal university	Attended
31	10 <sup>th</sup> Symposium & Exhibition Environmental opportunities for global sustainability	19 <sup>th</sup> May 2022, The Ministry of Environment, Water and Agriculture & Aramco	Attended
32	Symposium on Innovative Materials for a Sustainable Future	24 <sup>th</sup> -23 <sup>rd</sup> Feb 2022, KFUPM	Attended
33	Medical Biotechnology Summit	25 <sup>th</sup> -26 <sup>th</sup> Jan 2023, Ministry of National Guard, Riyadh	Attended
34	International Alge conference	4 <sup>th</sup> -6 <sup>th</sup> Jun 2023, The Ministry of Environment, Water and Agriculture in cooperation with NEOM, Dammam	Attended
35	International conference on molecular oncology and precision medicine	16th -18th Nov 2023, KFSHRC Riyadh	Attended
36	The Green Sustainable Future in the Kingdom of Saudi Arabia (GiKS)	30th -31st Jan 2024, KFUPM, Dammam	Attended
37	The 3rd Saudi Conference of Forensic Medical Sciences	26th -28th Nov 2024, SSFM, Riyadh	Attended

## Teaching Activities

### Undergraduate

#	Course/Rotation Title	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Molecular Biology	Lectures and labs
2	Principle of Genetics	Lectures and labs
3	Cell Biology	Lectures and labs
4	Gene Regulation	Lectures



5	Forensic Biology	Labs
6	Graduation Project	Project
7	Invertebrates	Lectures
8	Comparative Anatomy	Labs
9	Environmental Toxicology	Labs
10	Vertebrates Biology	Labs
11	Parasitology	Labs

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

**Gene Regulation (GENTC420):** In this course the student will be studying: the regulation of transcription in eukaryotic organisms; post-transcriptional regulation; Chromatin remodeling and Histone modifications, epigenetic mechanisms of gene regulation and microRNAs, RNAi; how the process of translation and protein synthesis is controlled. Also, study CRISPR and other new methods to modulate gene expression. Identify similarities and differences in gene regulation in prokaryotes and eukaryotes.

**Principles of Genetics (GENTC304):** The basic principles of genetics in prokaryotes and Eukaryotes. Chromosomal basis of heredity:(Chromosome theory & Structure & Function of chromosomes). Cell Division (Mitosis & Meiosis-cell cycle). Patterns of inheritance (Genotype - Phenotype –Haploid-Diploid-Polymorphism of genetic character). Mendelian genetics. Non - Mendelian genetics. Genetic and chromosomal abnormalities. The genetic material (Structure of DNA&RNA molecules- nucleic proteins). The functional units of DNA (types of genes). Principles of population genetics. Genetic variations

**Molecular Biology (GENTC 308):** In this course the student will be studying the fundamental aspects of DNA and RNA structure, their function, and their interactions with proteins. The course includes DNA replication, DNA repair, transcription, synthesis of proteins, and the regulation of gene expression. The synthesis of proteins, RNA translation, and post-transcriptional mechanisms include mechanisms of RNA splicing, gene structure and function, and chromosome remodeling.

#### Postgraduate

#	Course/Rotation Title	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Advanced Molecular Biology	Lectures and labs
2	Seminar	Supervision
3	Thesis	Supervision

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

**Advanced Molecular Biology (Zool 623):** This course aims to teach students to understand the chemical structure of genetic material, DNA replication, genetic mutations, and DNA repair. Mechanisms of RNA transcription and post transcriptional mechanisms, translation and post translation mechanisms of gene regulation. Define linkage analysis, epigenetics, pedigree analysis and dysmorphology). Also, study epigenetics modifications (Histone modifications, methylation, Genomic imprinting, and RNA Interference). Moreover, explore CRISPR and other new methods to modulate gene expression.

#### Course Coordination



#	Course Title and Code	Coordinatio n	Co- coordination	Undergra d.	Postgrad.	From	To
1	Gene Regulation	√	-	√	-	2018	2022
2	Principle of Genetics	√	-	√	-	2019	2022
3	Advanced Molecular Biology	√	-	-	√	2019	

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Undergraduate	5	2017	2018
2	Undergraduate	10	2019	2020
3	Undergraduate	29	2020	2021
4	Undergraduate	16	2021	2022
5	Postgraduate (Master)	1	2020	2022
6	Undergraduate	21	2022	2023
7	Undergraduate	17	2023	2024

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

#	From	To	Position	Organization
1	2020	Till	Member of the Standing Committee of Care and Use of Animals in Scientific Research	Imam Abdulrahman bin Faisal university
2	2022	2023	Head of Graduates studies committee	Biology Department, Science College
3	2021	2022	Head of developmental Master programs committee at Biology department	Biology Department, Science College
4	2021	2021	Member of the Committee to review policies and regulations for motivating IAU faculty members	Imam Abdulrahman bin Faisal university
5	2020	2021	Head of Academic Programs Development Unit, College of Science	College of Science
6	2020	2021	Member of the Higher Committee for the environmental program	College of Science
7	2020	2021	Member of the Higher Committee for the Statistics Program	College of Science
8	2020	2021	Head of committee to review and restructure academic programs	College of Science
9	2020	2021	Member of the interdisciplinary program committee	College of Science



10	2021	2022	Member of the self-study standard 3 & substandard 5.	Biology Department, Science College
11	2020	2022	Member of the Awareness Committee of the Saudi Human Genome Project	Biology Department, Science College
12	2017	2020	Vice Dean of Admission and Registration for Female section	Vice Dean of Admission and Registration for Female section
13	2017	2020	Head of Waai awareness initiative (مبادرة وعي) for IAU students	Deanship of Admission and Registration
14	2018	2020	Member of the strategic plan committee of Deanship of Admission and Registration	Deanship of Admission and Registration
15	2016	2019	Head of developmental programs committee at Biology department	Biology Department, Science College
16	2015	2019	Head of developmental bachelor program (cell and molecular genetics track)	Biology Department, Science College
17	2017	2017	Member of the Advisory Committee for Research Units	Science College
18	2016	2016	Head of the committee of final exam of the Department of Biology	Biology Department, Science College

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

Job Rank	Place and Address of Work	Date
External reviewer	External reviewer for Bachelor program, Biotechnology department at Taif University.	February, 2018
Independent external reviewer	Independent external reviewer for Biology Bachelor programs (zoology-plants-microbiology) accreditation, in preparation for NCAAA visit, King Abdulaziz university.	February, 2022
Supervisor of Biotechnology unit (online)	King Abdulaziz and his Companions Foundation for Giftedness and Creativity "Mawhiba".	June, 2021
Trainer of Biotechnology unit (online)	King Abdulaziz and his Companions Foundation for Giftedness and Creativity "Mawhiba".	August, 2021
Trainer of Biomedical sciences unit (online & on campus)	King Abdulaziz and his Companions Foundation for Giftedness and Creativity "Mawhiba" in collaboration with Imam Abdulrahman bin Faisal University.	August, 2022
Supervisor of Biotechnology, Biomedical sciences, from molecules to organisms units (online)	King Abdulaziz and his Companions Foundation for Giftedness and Creativity "Mawhiba".	July-August, 2023
Trainer of Biomedical sciences unit (online & on campus)	King Abdulaziz and his Companions Foundation for Giftedness and Creativity "Mawhiba" in	July-August, 2023



	collaboration with Imam Abdulrahman bin Faisal University.	
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### Community services & Volunteer Work

Participate in different community services around <b>648 credit hours</b> in different area such as:	
Community services & Volunteer Work	Date
Supervising 4 of Mawhiba talented Students.	2016-2017
Contribute with the educational awareness program 'Drugs' in Science college	2017
Supervising 1 of Mawhiba talented Student.	2018-2019
Arrange several lectures on Forensic biology and COVID19 pandemic.	2020
Participate in awareness of the Saudi Human Genome Project program.	2020-2021
Gift Donation to the Children's Cancer Society in the World Children's Cancer Day.	2021
Participate in field visit to mangrove nurseries on Tarut Island.	2021
An educational awareness campaign to introduce genetic diseases and diagnosis methods and treatment within the principle of genetics course activities.	2021
Arrange a DNA week which includes DNA exception and moderate 2 lectures (human genome and personalized medicine- forensic blood analysis).	2022
Presenting a lecture entitled the Saudi Human Genome Project.	2022
Conducting research to help community to solve the degradation of birds feathers (Novel feather degrading keratinases from Bacillus cereus group: Biochemical, genetic and bioinformatics analysis).	2020-2022
Arrange a DNA week in the second year which includes DNA exception and moderate 2 lectures (human genome and inheritance of genetic diseases).	2023

### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
1	2015	2018	Member of Committee for the Preparation of Courses Descriptions of Bachelor Programs Courses in Biology Dep.	Pat-time

### Training courses and Workshops

#	I have attended the following workshops and training course at the University of Nottingham, United Kingdom		
	Workshops	Training courses	Other
1			Intensive English Program at Embassy CES collage in UK for 1 year.
2			pre-master course at Bellerbys college in UK from 18th April– 1st July 2011



3		New Research Workers Health and Safety Training (Chemical Bias) on the 12/10/2011.	
4		Biological Safety on the 09/11/2011.	
5			understanding the student psychology Lecture
6			Workshop on Youth reality and aspirations
7		Laboratory Practice 2 - basic techniques on the 20/02/2013.	
8		An Introduction to Flow Cytometry, 28/01/2014.	
9		Ultracentrifuge training course, 3/09/2014	
10	Workshop on Access to Gene and Genomics with Ensembl 12/01/2012 from the European Bioinformatics Institute.		
11	Introduction to Academic Writing 13-27/10/2011.		
12	Induction to Library Services for the New Researcher on the 14/10/2011.		
13	Essential information skills for new researchers in biology on the 24/10/2011.		
14	Presentation skills for researchers (Science & Engineering) on the 09/01/2012.		
15	Microsoft Excel: Introduction on the 22/02/2012		
16	Microsoft PowerPoint: Introduction on the 08/03/2012.		
17	Referencing and citing using Endnote on the 21/03/2012.		
18	Introductory Event to Teaching for PG Research Students and Researchers on the 23/04/2012.		
19	Stress Reduction Techniques on the 28/11/2012.		
20	Improve your Memory on the 25/06/2012.		
21	Microsoft PowerPoint: Advanced on the 19/02/2013.		
22	Creating a Poster in PowerPoint on the 12/03/2013.		
23	Presentation Skills: Structure and Technique on the 15/03/2013.		



24	Evaluating your Teaching on the 12/06/2013.		
25	Introduction to quantitative research on the 20/06/2013, 28/06/2013.		
26	PhD writes up support series - Regulations & formatting on the 29/10/2013.		
27	Ethics of human tissue and animal studies in research, 15/01/2014.		
28	Keeping up to date with research in engineering, medicine & science, 06/02/2014.		
29	Essential information skills for new researchers in Science, 12/02/2014.		
30	Creating and Managing Long Documents in Microsoft Word, 3/03/2014.		
31	Using Excel as a Database, 4/03/2014.		
32	Lecturing for Learning, 30/04/2014.		
33	Creating Personal Impact – The thinking skills, 2/05/2014.		
34	Problem exploration in research on the 04/02/2015.		
35	Finishing your thesis 07/02/2015.		
36	Post-genomics and bioinformatics 18-20/03/2015		
37	Preparing for the viva 06/05/2015.		
38	Microsoft Outlook: Introduction to email 13/05/2015.		
<b>I have attended the following workshops and training courses in Saudi Arabia</b>			
39	Global university ranking-improving UOD ranking 31/01/2016		
40	The new procedural manual to review academic programs 16/02/2016		
41		Developing core competencies in teaching and learning in higher education (intensive training program) 18-21/01/2016	
42	Participation in the workshop arranged by deanship of education development for the		



	teaching assistants and lecturers to study overseas, 21/4/2016		
43	A workshop new mechanism to review and develop study plans 16/2/2016		
44	A workshop for faculty members to prepare a strategic study plan by the Vice Presidency for Academic Affairs 2/6/2016		
45	Creative and active teaching strategies 9/6/2016		
46		Introduction to Droplet Digital™ PCR: Workflow and Applications, By Bio-Rad, 15/11/2016	
47		Introduction to Quantum Biology: A New Science, By Phi science institute, 14/11/2016	
48		Faculty mentorship certification program 12/6/2016- 8/5/2017 11 months	
49	A workshop 'developed program' for the Faculty of Science 5/6/2016		
50	Creative and Active Teaching Strategies; An Art-based Teaching Approach, 7/2/2017		
51	Poster presentation academic & conferences 15/2/2017		
52	Innovation workshop with Faculty and Students. 6/3/2017, 15/3/2017		
53	Writing a research paper in English: Tips for ESL authors. Webinar. 28/3/2017		
54		Molecular Identification & Validation of Novel Species of Bacteria, 10/4/2017	
55	Author Workshop in Scholarly Publishing 20/12/2017		
56	High-quality assessment through Rubric, 25/1/2018		
57	Women Leadership Forum in higher Education, 27 Jan -1 Feb 2018		
58	The 1st genome meeting, hope panel, 27/3/2018		
59	ALC Webinar 7: Robot-Proof: Higher Education in the Age of		



	Artificial Intelligence by Dr. Joseph Aoun, president Northeastern university, USA 28/3/2018		
60	Learning outcomes assessment 27/9/2018		
61	Developing a Plan for Academic Program Assessment 2/9/2018		
62	Teaching your subject in English: making it understandable 9/10/2018		
63	Emotional Intelligence for Academic Leaders 15/10/2018		
64	knowledge café 28/10/2018		
65	Best practice in Finnish education 13/11/2018		
66	Enhancing Assessment Tasks For 21st Century Skills in University and College Courses by Prof. Gordon Joughin 4/12/2018		
67	Developing Entrepreneurship Skills in Education: Transforming research ideas into projects and products 4/12/2018		
68	Values Lead your Future 4/12/2018		
69	Leadership Skills in the 21st Century 5/12/2018		
70	Skills for generation 2030 5/12/2018		
71	Skills teaching and learning 5/12/2018		
72	Curriculum and assessments for 21st century in an age of artificial intelligence 5/12/2018		
73	Developing and Evaluating Competencies of Educational Leader 6/12/2018		
74	Competence based education in the kingdom of Saudi Arabia 6/12/2018		



75	Saudi universities best practices in skills development 6/12/2018		
76	Best national and international practices in skills development and assessment 6/12/2018		
77	Challenges in skills teaching and assessment 6/12/2018		
78	SAQF & NQF 2/12/2018		
79	Workshop Animal care and use in scientific research. 21/3/2019		
80	Creating a positive classroom community 20/8/2019		
81			Finnish education success in entrepreneurship & innovation 12/11/2019
82			The 1st Saudi Academic Female Leaders Forum 5-6/2/2020
83			11 <sup>th</sup> Winter Enrichment Program WEP 2020 19/1/2020
84			Empowering Women to Lead in A Changing World 5/2/2020
85	Transformational Leadership Through Strategic 6/2/2020		
86			Deans, vice deans, chairpersons who pave the way? 6/2/2020
87			1st national forum on business transformation: opportunities & challenges 30/11/2019
89			COVID-19 Prevention to Cure 7/2/2020
90	Teaching During an Exceptional Time 24/3/2020		
91	Laboratories Accreditation Requirements and Steps According to ISO/ IEC 17025:2017 7/4/2020		



92	Risk Management -Hemaya (Risk Reporting Tool) 14/4/2020		
93	Journal Citation Reports- Create Your Publication Strategy 15/4/2020		
94	Research Proposal & the IRB- The Whole Story 18/4/2020		
95			Webinar: Online Assessment Strategies During and After the COVID-19 Pandemic 29/6/2020
96			Webinar: Promoting research excellence towards 2030 vision 30/6/2020
97			Webinar: Essential Learning Outcomes, Engaged Pedagogy and Assessment for Quality Learning 1/7/2020
98			Webinar: Issues to Consider in Planning the Return to Campus 6/7/2020
99			Webinar: Promoting Quality Online Learning through Faculty
100			Development: Challenges and Strategies for Success 7/7/2020
101			Webinar: Leading Research and Innovation in Universities 8/7/2020
102			Webinar: The Efforts of Higher Education During COVID-19 Crisis and Future Trends (Arabic Session) 12/7/2020
103			Tertiary Education System for the 21st Century, in Light of the COVID-19 Pandemic 20/7/2020
104			the KAU & Stanford Webinar titled "Molecular designing of RNA vaccines for COVID-19 from the desktop" By Prof. Rhiju Das, Stanford University, USA. 16/09/2020



105			Forensic medicine: Alife from death, 16/09/2020
106			Webinar: TVET system's response to COVID-19: challenges and opportunities 17/08/2020
107	Effective Formative Assessment in the 21st Century Classroom 18/08/2020		
108	Development through Peer Observation of Teaching (POT) 19/08/2020		
109	Boosting Student Engagement and Interaction in the Online Classroom 26/08/2020		
110			Seminar on Converting a research into commercial assets 28/09/2020
111	Workshop Unleash Your Entrepreneurial Talent and Discover the Market Opportunities 12/10/2020		
112	"The road to successful collaboration" 14/10/2020		
113	workshop: How to create a course portfolio 15/10/2020		
114			Women in Data Science @ KFUPM workshop 28/10/2020
115			Webinar Title: Models of Higher Education Practice Fit for A Post-Pandemic World 21/12/2020
116	Empower Your Lecture: Make your Lecture Planning Active 12/1/2021		
117	Assessment and Learning Outcomes during COVID-19 20/1/2021		
118	Enrichment Session   21 <sup>st</sup> Century Skills and Requirements of Economic Growth and Labor Market 1/2/2021		



119	Quality Assurance For E-learning And Learning Management System 15/2/2021		
120	Outcome Based Assessment of Student Learning & Performance 15/3/2021		
121	Learning and Leading in the 21 <sup>st</sup> Century 25/5/2021		
122	Graduates Attributes: Design and Assessment 14/6/2021		
123	The process of program development in general and a comprehensive presentation of the Program Self-Study. 18/10/2021		
124		The Role of Department Head in Developing Professional Teaching Standards and Frameworks. 25/10/2021	
125	Inclusive Teaching and Learning in Higher Education International Workshop 16-17/11/2021		
126	Achieving the Promise of Classroom Assessment to Improve Student Learning and Success 1/2/2022		
127	Introduction to Team-Based Learning (TBL) 1/3/2022		
128	Integrating Leadership Skills in Academic Curriculum 29/3/2022		
129	Instructions Resilient Pedagogies 29/3/2022		
130		Gene Therapy Academy Emerging Markets (Vector design and engineering: deep dive into the science) 26/3/2022	
131			Predatory journals: how to identify and avoid 16/3/2022
132			Webinar entitled: THE ART OF DESIGNING & MEASURING KEY



			PERFORMANCE INDICATORS (KPIs) FOR ACADEMIC PROGRAMS AND COMMUNICATING RESULTS TO STAKEHOLDERS 24/5/2022
133			webinar series entitled "Graduates Attributes: Design and Assessment 16/4/2022
134			Webinar Series - Gene Therapy Academy Pfizer - Understanding Basics of Gene Therapy 19/2/2022
135			Frontiers Forum   Prof Jennifer Doudna The CRISPR health revolution 31/3/2022
136			" webinar "Old Dogs New Tricks: The application of Systems Biology in the development of novel therapies for the Inherited Cardiac diseases 24/8/2022
137	Questioning to develop higher order thinking skills 15/9/2022		
138	Webinar, "University Ranking Strategies"		
139			Workshop entitled " Genome-wide differential gene expression analysis using Linux operating system and R programming language" 14/2/2023
140			Generative AI and 6th Generation Drug Discovery Robotics for Chemistry, Biology and Medicine 15/3/2023
141	Workshop Risk Calculation in Genetics 18/2/2023		
142	The Pursuit of Excellence in Mentoring in Higher Education 15/3/2023		



143	Planning and Implementation of Self- Evaluation Scale for Academic Programs 3/5/2023		
144	Generative Artificial Intelligence: A Game changer in Higher Education 22/8/2023		
145		Intensive course: Genomic Insights from DNA to Data Analysis 11-13/9/2023	
146	The Importance of artificial intelligence: Examining its role in Teaching and Learning 3/10/2023		
147	Students Motivation and Learning 17/10/2023		
148	Effective Formative Assessment Techniques for the Classroom 20/2/2024		
149	Digital Skills for Teacher 12/3/2024		
150	Using the Understanding by Design (UbD) for Course Planning 7/10/2024		
151	An international Webinar entitled University Education for Sustainability Building Skills for Lifelong Impact 26/11/2024		

### Honors and awards

#	Honors/ Award name	Donor	Date
1	Honor from College of Science for bachelor's degree	Science College for girls in Dammam, Saudi Arabia.	1423/ 2002
2	The Saudi Cultural Bureau Annual Honors Awards - 4 years in a row, United Kingdom	The Saudi Cultural Bureau, United Kingdom	2011 - 2015
3	Awarded certification in the faculty mentorship certification program (mentee)	Deanship of Academic Development, Imam Abdulrahman Bin Faisal University	May, 2017

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

1	Biotechnology: Experience in molecular biology techniques.
2	Dealing and treatment of experimental animals
3	All computer programs.



4 Teamwork and leadership.

Membership of Scientific and Professional Societies and Organizations

- Almustaqbal for scientific research.
- Genetics Society, United Kingdom.
- Saudi Biological society, Saudi Arabia.
- Biological sciences, Egypt.
- Scientifics society for Saudi student in the United Kingdom, United Kingdom.
- MEMBS – Middle East Molecular Biology Sources.

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Last Update 25/12/2024