

CURRICULUM VITAE



Personal Information:

Name: Dr. MIKHLID HAMMAD ALMUTAIRI
Nationality: Saudi
Marital status: Married
Position: Associate Professor
Specialization: Major: Genetics
Minor: Molecular Genetics
Current Address: King Saud University: College of Science (Build. 5) - Dept. of Zoology,
P.O. Box 2455, Riyadh 11451
Mobile Phone: 0539090251
Mail: malmutari@ksu.edu.sa
KSU Website: <https://fac.ksu.edu.sa/malmutari>

Academic Qualifications:

- Doctor of Philosophy in Medical Molecular Genetics (October 1st, 2014) (The North West Cancer Research Fund Institute), Bangor University, United Kingdom
- Master of Science in Cell Biology, Genetics, and Histology (July 17th, 2007), Department of Zoology, Faculty of Science, King Saud University, Riyadh, Saudi Arabia
- Bachelor of Science in Biology (July 13th, 1996), College of Education, King Saud University, Riyadh, Saudi Arabia

Employment History and Academic Career Progression:

1. Faculty Member (Associate Professor) of Molecular Genetics, November 11th, 2021 until now. Department of Zoology, Faculty of Science, King Saud University, Riyadh, Saudi Arabia.
2. Dean of Al-Ghad International College for Applied Medical Sciences in Riyadh, Saudi Arabia from July, 1st, 2019 to August, 07th, 2022.
3. Dean of Al-Ghad International College for Applied Medical Sciences in Tabuk, Saudi Arabia from September, 18th, 2016 to June, 30th, 2019.
4. Faculty Member (Assistant Professor) of Molecular Genetics, December 17th, 2014 until November 10th, 2021. Department of Zoology, Faculty of Science, King Saud University, Riyadh, Saudi Arabia.
5. Lecturer in Genetics—July 19th, 2008 till December 12th, 2014, Department of Zoology, Faculty of Science, King Saud University, Riyadh, Saudi Arabia
6. Educational supervisor, Science subject— from September 12th, 2003 to July 16th, 2008, Ministry of Education, Riyadh, Saudi Arabia.
7. High School Biology Teacher— from September 18th, 1996 to September 11th, 2003, Secondary School, Ministry of Education, Riyadh, Saudi Arabia

Scientific Consultations:

- Full-time consultant at Al-Ghad International Colleges for Applied Medical Sciences from 18/09/2016 until 07/08/2022.

Professional Certifications:

1. Completion Certificate of SIDA Program for new faculty members, (United Kingdom).
2. Completion certificate of 36 training hours from the deanship of skills development in King Saud University for new faculty members for the academic year 2015–2016.

Areas of Research Interest:

1. Identification and characterization of cancer-testis (CT) antigens that could be used to develop cancer vaccines and/or diagnostic markers for various types of cancer.
2. Studying genetic variations in different genes across various types of cancer in Saudi Arabia.
3. Investigating the relationship between smoking and immune-related genetic mutations in Saudi individuals.
4. Studying the camel genome in Saudi Arabia and the genetic changes among different camel breeds.

Teaching Experiences:

1. Teaching various undergraduate (Bachelor) courses such as: Principles of Zoology, Human Genetics, Principles of Genetics, Molecular Biology, Histology, Genetic Engineering, and Research Projects.
2. Teaching master's-level courses such as: Advanced Cell Genetics, Selected Topics in Cell Biology, Genetics, and Histology, Research Proposal Preparation, Selected Topics in Zoology and Scientific Seminars.
3. Teaching doctoral-level courses such as: Molecular Genetics, Scientific Seminars, and Research Proposal Preparation.

Scholarships and Awards:

1. King Saud University College of Science Award for Excellence in Teaching for the academic year 2023.
2. Scholarship from King Saud University to study language and doctoral degree at Bangor University in the UK for five years.
3. Cultural Attaché Award (Excellence Award) in the UK and Ireland for outstanding doctoral students for the academic year 2012.
4. First-Class Honors in Master's Degree in Cell Biology, Genetics, and Histology from the Department of Zoology – College of Science – King Saud University in 2007.
5. Distinguished Teacher Award in Biology from the Ministry of Education, Riyadh education region, 2002.

Research Grants:

1. A member of the research project entitled "Identification of Novel Genomic Diagnostic Biomarkers for Triple Negative Breast Cancer-Related Tissue Damage in Saudi women using CRISPR Technology" funded by the King Abdullah International Medical Research Center, Ministry of National Guard (under implementation).
2. Principal Investigator in Research Project No. (2-17-01-001-0069) entitled "Identification and Characterization of New Cancer-Testis Antigen Gene Biomarkers in Saudi Patients with Colon Cancer" funded by the National Plan for Science and Technology (NPST) (completed on 31/05/2023, amount: 540,000 Riyals)

3. Principal Investigator of the project (12-MED2443-02) entitled "Investigating the deregulation of toll-like receptors, pro-inflammatory cytokines and cationic peptides by tobacco smoke and its role in promoting oral cancer in Saudi populations". funded by the National Plan for Science and Technology (NPST) (completed on 2018, amount: 1,860,000 Riyals)
4. Principal Investigator of the project (R5-16-03-42) entitled "Identification of the Expression of 21 Genes of the *MAGE* Family in Colon Cancers in Saudi Patients "funded by the Deanship of Scientific Research at King Saud University (completed on 2016, amount: 70,000 Riyals).
5. Principal Investigator of the research group (RG-1440-044), funded by the Deanship of the Scientific Research at King Saud University.
6. Co-Investigator of the research group (RG-1441-307), funded by the Deanship of the Scientific Research at King Saud University.
7. Assistant researcher in Genomic Research Chair, Biochemistry Department, Faculty of Science, King Saud University, from September 2017 until now, funded by the Deanship of Scientific Research at King Saud University.
8. Assistant researcher of the research group (RGP-VPP-260), 04/05/2017, funded by the Deanship of Scientific Research at King Saud University.

Scientific Supervision of Graduate Students:

1. Principal supervisor for PhD student Turki Mayudh Alrubie (University No. 442106519) titled: Identification of Cancer-Testis Genes Biomarkers and their Epigenetic Mechanisms in Colon cancer Patients (He completed his PhD in the second semester of the 2022/2023 academic year).
2. Principal supervisor for PhD student Faisal bin Mtheeb Al-Subaie (University ID 442105974) titled: Genome-Wide Association Studies for Milk Yield Traits in the Dromedary Camels *Camelus dromedaries* in Saudi Arabia" (He completed his PhD in the first semester of the 2024/2025 academic year).
3. Principal supervisor for PhD student Monerah Abdulkarim Alaujan (University No. 443204206) titled: Molecular Investigation of the Anticancer Activities of *Teucrium polium* Plant Extract on Human Breast Cancer Cell Lines (She has started the lab work).
4. Principal supervisor for PhD student Badriyah Awad Alshammari (University No. 443204463) titled: Identification and Characterization of Cancer Germline Genes and their Epigenetic Regulations in Colon Cancer Patients (She has started the lab work).
5. Principal supervisor for PhD student Wadd bint Mohammed Al-Dosari (University ID 442203625) titled: Influence of Tobacco Smoking on Innate Immune Gene Variations and Expressions in Saudi Women (She has started the lab work).
6. Principal supervisor for Master's student Ahmed bin Salem Al-Khalidi (University ID 443106654) titled: TEX19 Expression and its Hypomethylation Regulation in Human Colon Cancer Tissues (He has completed the lab work).
7. Principal supervisor for Master's student Raed bin Ammar Al-Sufiani (University ID 435107085) titled: RT-PCR Expressions of MAGE-A1, MAGE-A2, MAGE-A3, and MAGE-A4 in Saudi Patients with Colon Cancer" (He completed his Master's in the second semester of the 2016/2017 academic year).

8. Principal supervisor for Master's student Turki Mayudh Alrubie (University No. 438105650) titled: Effect of Genetic polymorphisms of the Tumor Suppressor gene TP53 pathway in Saudi smokers and non-smokers (He completed his Master's in the second semester of the 2019/2020 academic year).
9. Principal supervisor for Master's student Mohammad Sahab Almutairi (University No. 438105292) titled: Evaluating the Genetic Variations of Human Beta Defensin-1 among Saudi Cigarette Smokers (He completed his Master's in the second semester of the 2021 academic year).
10. Principal supervisor for Master's student Riyadh Abdullah Almutairi (University No. 438105941) titled: Association of Genetic Variations of Thymic Stromal Lymphopoietin and its Receptors among Saudi Colorectal Cancer Patients (He completed his Master's in the second semester of the 2021 academic year).
11. Principal supervisor for Master's student Mona Mohammed Alotaibi (University No. 441203591) titled: Identification of genes Expression for MAGE Family in Saudi Patients with Colon Cancer (She completed her Master's in the first semester of the 2022/2023 academic year).
12. Principal supervisor for Master's student Manar bint Hussein Al-Mutairi (University ID 442203435) titled: Validating the SSX Family Gene Expressions in Different Types of Cancer Among Saudi Population" (She completed her Master's in the first semester of the 2022/2023 academic year).

I have been the Co-Supervisor for the following master's degree candidates:

1. Co-Supervisor for Master's student Yara Mohammed Alobaid (University No. 443203582) titled: Gene expression of selected Cancer Germline Genes in Saudi Patients with Colon Cancer (She has completed the lab work).
2. Co-Supervisor for Master's student Bashayer Subeih Aljuhani (University No. 442203430) titled: The Impact of DNA Methylation Alternations on the Regulation of Tumor Suppressor Gene Expressions in Colon Cancer Patients (She has started the lab work).
3. Co-Supervisor for Master's student Yara bint Mohammed Al-Aboud (University ID 443203582) titled: Gene Expression of Selected Cancer Germline Genes in Saudi Patients with Colon Cancer (She has completed the lab work).
4. Co-Supervisor for Master's student Sahar Hashim Qaid Sultan (University ID 444204061) titled: The Impact of DNA Methylation on the Regulation of Tumor Suppressor Genes Expression in Leukemia Patients (She has started the lab work).

Academic Advising for Graduate Students:

1. Academic advisor for PhD student Raed Ammar Alsufyani (University ID 444106149).
2. Academic advisor for PhD student Rowaan Farhan Alanazi (University ID 445206172)
3. Academic advisor for PhD student Manar Hussein Almutairi (University ID 445205486)
4. Academic advisor for Master's student Walaa Hamdan Alanazi (University ID 445205566)

Training and Workshops

First: External Training Courses and Workshops:

1. Attended an online training course titled “Molecular Biology Techniques” organized by the Center for Advanced Training and Research, University of Lucknow, India, from 20-27/03/2025 (Total hours: 12 training hours).
2. Attended an online training course titled “Fundamental Processes of Molecular Biology” held at the Advanced Training and Research Center, University of Lucknow, India, from 01-28/02/2025 (Total hours: 40 training hours).
3. Attended online biotechnology workshop titled “High-Impact Publishing Simplified: From Manuscript to Submission – Beginners” conducted by Nano Science and Technology Consortium, India, from 28-30/12/2024.
4. Attended online biotechnology workshop titled “Advancements in mRNA Vaccine Technology” conducted by Nano Science and Technology Consortium, India, from 26-28/11/2024.
5. Attended an online training course titled “Genetic Engineering Course” held at the Advanced Training and Research Center, University of Lucknow, India, from 23-27/11/2024 (Total hours: 25 training hours).
6. Attended an online training course titled “Cancer Biology Certification Course” held at the Advanced Training and Research Center, University of Lucknow, India, from 18-27/10/2024 (Total hours: 25 training hours).
7. Attended an online training course titled “Art of Scientific Writing” held at the Advanced Training and Research Center, University of Lucknow, India, on 08/09/2024 (Total hours: 4 training hours).
8. Attended an online training course titled “Three Months Certificate Course in Bioinformatics” held at the Advanced Training and Research Center, University of Lucknow, India, from 02/03 to 26/05/2024 (Total hours: 75 training hours).
9. Attended an online workshop titled “Homology Modelling Workshop” held at the Advanced Training and Research Center, University of Lucknow, India, from 27-30/04/2024 (Total hours: 12 training hours).
10. Attended a Molecular Biology Summer Workshop held at Smith College, USA (Duration: 2 weeks, Total hours: 120 training hours).
11. Attended a computer skills course for scientific writing held at Bangor University, UK (Duration: 10 days, Total hours: 20 training hours).
12. Attended Two courses in the Refworks Program specialized in research documentation and reference management, held at Bangor University, UK (Duration: 1 day for each course, Total hours: 5 training hours).
13. Attended a Laboratory Course on modern methods of biotechnology held at the National Research Center, Egypt, from 16-26/02/2009 (Total hours: 45 training hours).
14. Attended a training course titled “Using Digital Microscopes” held in Xiamen, China, from 25-26/11/2008 (Total hours: 15 training hours).

Second: Internal Training Courses and Workshops:

A) At King Saud University (Deanship of Skills Development):

1. Training Course on Working in Research Groups: Fundamentals and Strategies for Effective Collaboration held on 03/02/2025 (Total hours: 5 training hours).
2. Training Course on Artificial Intelligence and its Applications in Education held on 20/01/2025 (Total hours: 5 training hours).
3. Training Course on Submitting the Promotion File held on 13/01/2025 (Total hours: 5 training hours).
4. Training Course on Scientific Publishing in ISI Journals held on 09/12/2024 (Total hours: 5 training hours).
5. Training Course on Effective Meeting Management held on 02/12/2024 (Total hours: 5 training hours).
6. Training Course on Key Performance Indicators in the University and Benchmarking held on 29/10/2024 (Total hours: 5 training hours).
7. Training Course on the Scientific Foundations of Research Criticism held on 15/10/2024 (Total hours: 5 training hours).
8. Online Course via the e-learning platform on the use of Zoom for delivering virtual lectures and online meetings in October 2024 (Total hours: 2 training hours).
9. Online Course via the e-learning platform on Digital Documentation using EndNote in October 2024 (Total hours: 4 training hours).
10. Training Course on the Seven Principles of Excellence in Teaching held on 01/10/2024 (Total hours: 5 training hours).
11. Online Course via the e-learning platform on Academic Integrity in September 2024 (Total hours: 3 training hours).
12. Training Course on Developing Test Questions held on 14/02/2024 (Total hours: 5 training hours).
13. Training Course on Artificial Intelligence and Its Applications in Education held on 21/01/2024 (Total hours: 5 training hours).
14. Training Course on Developing Research Ideas held on 21/11/2022 (Total hours: 5 training hours).
15. Training Course on Cloud Storage held on 16/05/2022 (Total hours: 3 training hours).
16. Training Course on Scientific Documentation Skills using ENDNOTE held on 17-19/04/2022 (Total hours: 9 training hours).
17. Training Course on Software for Writing and Organizing Scientific References held on 30/03/2022 (Total hours: 4 training hours).
18. Training Course on Developing a Blueprint for Assessment held on 24/03/2022 (Total hours: 3 training hours).
19. Training Course on Leadership and Creative Management held on 21/03/2022 (Total hours: 4 training hours).
20. Training Course on Encouraging Bachelor's Students' Research held on 9/2/2022 (Total hours: 4 training hours).
21. Training Course on How to Translate a Book held on 15/12/2021 (Total hours: 3 training hours).
22. Training Course on Basics of Discussing Thesis held on 14/12/2021 (Total hours: 3 training hours).

23. Training Course on Infographics held on 9/12/2021 (Total hours: 3 training hours).
24. Training Course on Preparing and Designing Training Packages held on 8/12/2021 (Total hours: 3 training hours).
25. Training Course on Volunteer Levels held on 7/12/2021 (Total hours: 1 training hour).
26. Training Course on Why Do We Volunteer? held on 6/12/2021 (Total hours: 1 training hour).
27. Training Course on Cloud Computing and Its Applications in Education held on 29/11/2021 (Total hours: 4 training hours).
28. Training Course on Mechanisms for Discovering Talented and Creative Students and Teaching Them held on 22/11/2021 (Total hours: 4 training hours).
29. Training Course on Using Google Tools in Education held on 17/11/2021 (Total hours: 3 training hours).
30. Training Course on Developing Test Questions held on 10/11/2021 (Total hours: 3 training hours).
31. Training Course on Designing Interactive E-Learning Activities held on 8/11/2021 (Total hours: 4 training hours).
32. Training Course on Scientific Council of King Saud University and Vision 2030 held on 2/11/2021 (Total hours: 3 training hours).
33. Training Course on Designing Interactive Presentations Using Microsoft Sway held on 31/10/2021 (Total hours: 3 training hours).
34. Workshop titled: Short Action Plans held on 27/10/2021, at Riyadh Valley Company, Duration: 1 training hour.
35. Training Course on How to Be an Effective Mentor held on 27/10/2021, through the Counseling and Guidance Center at King Saud University (Total hours: 4 training hours).
36. Training Course on Qualitative Research Strategy held on 26/10/2021 (Total hours: 3 training hours).
37. Training Course on Fundamentals of Committee Work held on 21/9/2021 (Total hours: 3 training hours).
38. Training Course on Supervising Graduate Students held on 20/9/2021 (Total hours: 3 training hours).
39. Online Course via e-learning platform on Information Search Skills in November 2020 (Total hours: 3 training hours).
40. Training Course on Searching Skills in Scientific Databases held on 12/02/2020 (Total hours: 5 training hours).
41. Training Course on Describing and Reporting Academic Programs held from 11-12/11/2019 (Total hours: 10 training hours).
42. Training Course for Faculty Members to Qualify as Peer Advisors at the University held from 10-12/04/2016 (Total hours: 15 training hours).
43. Training Course on Writing Research Proposals and Grants held from 8-9/03/2016 (Total hours: 10 training hours).
44. Training Course on Designing E-Courses held on 17/01/2016 (Total hours: 5 training hours).
45. Training Course on Scientific Publishing in International Journals held from 26-27/10/2015 (Total hours: 10 training hours).

46. Training Course on Group-Based Learning held on 25/10/2015 (Total hours: 5 training hours).
47. Training Course on Blackboard Learning Management System held from 21-22/10/2015 (Total hours: 10 training hours).
48. Workshop titled: Intellectual Property and Copyright and Distribution Rights held on 13/10/2015.
49. Training Course on Designing and Building a Curriculum held from 23-24/02/2015 (Duration: 2 days, Total hours: 10 training hours).
50. Training Course on Effective University Teaching held from 2-3/03/2015 (Total hours: 15 training hours).
51. Training Course on Evaluating Learning Outcomes held from 9-10/03/2015 (Total hours: 10 training hours).
52. Training Course on Microteaching held on 11/03/2015 (Total hours: 5 training hours).

B- At Ministry of Education:

1. Attended the eighth day of the Forum for Cognitive Integration (Innovation in the Face of Pandemic Crises), which was held virtually on YouTube on Wednesday, November 25, 2020.
2. Attended a workshop on the reality of innovation and entrepreneurship in Saudi universities (Analysis and Discussion of the System), which was held virtually via the Zoom platform on 12/10/2020.
3. Attended the Forum of Cognitive Integration (Corona and beyond from an economic perspective), held virtually via the Webex platform on November 4, 2020.

C- In Other Government Entities

1. Attended an online training course titled "Leveraging Journal Citation Reports to Boost Research Impact" held on 19/02/2025, on the Saudi Digital Library platform, Elsevier (1 training hour).
2. Attended an online training course titled "Introduction to RefWorks - Advanced" held on 17/02/2025, on the Saudi Digital Library platform, Elsevier (1 training hour).
3. Attended an online training course titled "Maximizing Research Impact: Enhancing Efficiency and Effectiveness with Web of Science Data and Tools" held on 12/02/2025, on the Saudi Digital Library platform, Elsevier (1 training hour).
4. Attended an online training course titled "News at ProQuest: from current to historical global news sources" held on 24/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
5. Attended an online training course titled "eBook Central for End Users" held on 24/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
6. Attended an online training course titled "Peer Reviewer Training" held on 23/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
7. Attended an online training course titled "Research with Oxford Journals & Books" held on 23/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).

8. Attended an online training course titled "Useful Tools and Resources for Increasing Your Success in Publishing" held on 18/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
9. Attended an online training course titled "How to Access Taylor & Francis Resources on the SDL" held on 17/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
10. Attended an online training course titled "Introduction to eBook Central" held on 16/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
11. Attended an online training course titled "Research Basics - Citations" held on 16/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
12. Attended an online training course titled "Best Practices for searching and using ProQuest Dissertations and Theses Global" held on 15/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
13. Attended an online training course titled "Introduction to O'Reilly for Higher Education" held on 15/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
14. Attended an online training course titled "Choosing the Right Journal: Leveraging Journal Citation Reports to Boost Research Impact" held on 03/12/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
15. Attended an online training course titled "Research Grants and Funding: Spotting - Positioning - Drafting" held on 27/11/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
16. Attended an online training course titled "Research Methodologies & Tools" held on 25/11/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
17. Attended an online training course titled "Maximizing Research Impact: Enhancing Efficiency and Effectiveness with Web of Science Data and Tools" held on 20/11/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
18. Attended an online training course titled "From Papers to Patents: Innovation Roadmap for Universities" held on 13/11/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
19. Attended an online training course titled "Introducing Open Research" held on 12/11/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
20. Attended an online training course titled "How to Use AMS Platform" held on 06/11/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
21. Attended an online training course titled "Choosing the Right Journal: Leveraging Journal Citation Reports to Boost Research Impact" held on 06/11/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
22. Attended an online training course titled "Do Research with Confidence Using Web of Science Core Collection" held on 06/11/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
23. Attended an online training course titled "Track Your Research Impact with Web of Science" held on 05/11/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).

24. Attended an online training course titled "The Value of the Wiley Online Library" held on 20/05/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
25. Attended an online training course titled "Introduction to RefWorks: Overview and Training" held on 14/05/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
26. Attended an online training course titled "Research Basics with Oxford Journals & Online Products" held on 08/05/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
27. Attended an online training course titled "ProQuest Dissertations and Theses Global Database: Overview and Training" held on 07/05/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
28. Attended an online training course titled "How to Publish with Oxford Journal" held on 30/04/2024, on the Saudi Digital Library platform, Elsevier (1 training hour).
29. Attended a Workshop titled "Genome-wide Differential Gene Expression Analysis Using Linux Operating System and R Programming Language" held virtually via Zoom on 14/02/2023, Deanship of Scientific Research, University of Tabuk.
30. Attended a Workshop titled "Introduction to Bioinformatics and Next-Generation Sequencing" held virtually via Zoom on 17/01/2023, Deanship of Scientific Research, University of Tabuk.
31. Attended a Workshop titled "How to Increase Citation References for Scientific Research" held virtually via Zoom on 3/01/2023, Deanship of Scientific Research, University of Tabuk.
32. Attended an online training course titled "How to Turn Your Thesis into an Article?" held on 12/10/2022, on the Saudi Digital Library platform, Elsevier (1 training hour).
33. Attended an online training course titled "Step-by-Step Guide on How to Prepare a Successful Paper - Saudi Arabia" held on 07/12/2021, on the Saudi Digital Library platform, Springer Nature (1 training hour).
34. Attended an online training course titled "Tips for Efficient Writing for Research on the Publication Process" held on 01/12/2021, on the Saudi Digital Library platform (1 training hour).
35. Attended the 11th Annual Medical Research Forum organized by the Ministry of National Guard virtually via Zoom from 4-5 November 2020.
36. Attended a Workshop via WebEx to discuss Virtual Accreditation Visits by the National Center for Evaluation and Academic Accreditation.
37. Attended a Workshop titled "Writing Test Questions Techniques" organized by the Professional Testing Department at the National Center for Measurement in Higher Education, held from 25-26/01/2017 (Total hours: 10 training hours).
38. Attended a Workshop titled "Techniques of Molecular Biology (Principles and Applications)" held at the Department of Life Sciences at King Khalid University in Abha (Duration: 3 days, Total hours: 15 training hours).

Committee Memberships and Activities

A- At College of Science and Department of Zoology:

1. Conducted a training course titled " Five crucial submission tips for authors (Theoretical and Practical)" for graduate students in the College of Science on 17/02/2025 (Total hours: 3 training hours).
2. Conducted a training course titled "Sequence Alignment: Theoretical Concepts and Practical Training" for graduate students in the College of Science on 12/02/2025 (Total hours: 3 training hours).
3. Conducted a training course titled "How to validate your PCR primers for specificity? (Theoretical and Practical)" for graduate students in the College of Science on 10/02/2025 (Total hours: 3 training hours).
4. Conducted a training course titled "Designing Specific Primers for CDS Cloning of the Desired Gene (Theoretical and Practical)" for graduate students in the College of Science on 30/10/2024 (Total hours: 5 training hours).
5. Member of the Committee for Writing the Research Plan for the Master's Program in Zoology with a focus on Cell Biology, Genetics, and Histology on 23/10/2024.
6. Conducted a training course titled "How to Use In Silico Analysis to Find the DNA, mRNA, CDS, and Protein Sequences of Your Target Gene? (Theoretical and Practical)" for graduate students in the College of Science on 14/10/2024 (Total hours: 3 training hours).
7. Chair of the Committee for Developing the Infrastructure and Laboratories of the Department of Zoology at the College of Science on 15/09/2024.
8. Conducted a training course titled "Designing RT-PCR and qRT-PCR Primers Using Manual and NCBI Primer-BLAST Methods (Practical)" for graduate students in the College of Science on 07/02/2024 (Total hours: 6 training hours).
9. Conducted a training course titled "Designing RT-PCR and qRT-PCR Primers Using Manual and NCBI Primer-BLAST Methods (Practical)" for graduate students in the College of Science on 21/02/2024 (Total hours: 6 training hours).
10. Member of the Graduate Studies Committee at the College of Science, King Saud University, since 6/09/2023, until present.
11. Member of the Committee for Reviewing Graduate Research Projects since 22/8/2023, until present.
12. Conducted a training course titled "From Creating PCR Primers to Analyzing Gene Expression (Theoretical and Practical)" for graduate students in the Department of Zoology on 11-12/10/2023 (Total hours: 8 training hours).
13. Conducted a training course titled "Designing PCR Primers and Principles of RT-PCR Techniques (Theoretical and Practical)" for graduate students in the Department of Zoology on 11-13/12/2022 (Total hours: 12 training hours).
14. Member of the Comprehensive Examination Committee for Doctoral Students since 7/9/2022, until present.
15. Chair of the E-learning Committee since 7/9/2022, until present.
16. Chair of the Graduate Admission Committee since 7/9/2022, until present.
17. Chair of the Committee for Reviewing and Judging the Ph.D. Thesis of Faisal bin Matheeb Al-Sebaei (University ID 442105974) titled "Genome Wide Association Studies for Milk Yield Traits in the Dromedary Camels *Camelus dromedaries* in Saudi Arabia," which was approved on 16/10/2024.

18. Member of the Committee for Reviewing and Judging the Master's Thesis of Aisha Al-Mulhim titled "The Genetic Heterogeneity of Inherited Retinal Dystrophies in Saudi Arabia," which was approved on 13/10/2024.
19. Chair of the Committee for Reviewing and Judging the Ph.D. Thesis of Turki bin Maiyudh Al-Rubai (University ID 442106519) titled "Identification of Cancer-Testis Genes Biomarkers and Their Epigenetic Mechanisms in Colon Cancer Patients," which was approved on 19/06/2023.
20. Member of the Committee for Reviewing and Judging the Ph.D. Thesis of Noura bin Saad Al-Johani (University ID 441204341) titled "Potential Protective Effects of Coenzyme Q10 and Piperine Against Cytotoxicity Induced by Cyclophosphamide in Human Hepatocellular Carcinoma Cell line HuH7," which was approved on 31/5/2022.
21. Member of the Committee for Reviewing and Judging the Master's Thesis of Ahmad bin Ibrahim Al-Sayyadi (University ID 439105516) titled "Potential Anticancer and Anti-inflammatory Effects of Innovative Polyherbal Extract," which was approved on 23/5/2022.
22. Member of the Committee for Reviewing and Judging the Master's Thesis of Najd bin Saad Al-Zuabi (University ID 438203183) titled "Identification of Adipocytes Transactivation Molecules in Blood Serum from Obese and Lean Women," which was approved on 28/12/2021.
23. Member of the Committee for Studying the Mechanism for Calculating Teaching Load, formed by the Department Council on 30/09/2020.
24. Member of the Graduate Admission Committee from 6/04/2016, until present.
25. Chair of the Committee for Reviewing and Judging the Master's Thesis of Mohammed bin Sahab Al-Mutairi (University ID 438105292) titled "Evaluating the Genetic Variations of Human Beta Defensin 1 Among Saudi Cigarette Smokers," which was approved on 14/10/1442H, corresponding to 26/05/2021.
26. Chair of the Committee for Reviewing and Judging the Master's Thesis of Riyadh bin Abdullah Al-Mutairi (University ID 438105941) titled "Association of Genetic Variations of Thymic Stromal Lymphopoietin and Its Receptors Among Saudi Colorectal Cancer Patients," which was approved on 24/05/2021.
27. Chair of the Committee for Reviewing and Judging the Master's Thesis of Turki bin Maiyudh Al-Rubai (University ID 438105650) titled "Effect of Genetic Polymorphisms of the Tumor Suppressor Gene TP53 Pathway in Saudi Smokers and Non-smokers," which was approved on 22/04/2020.
28. Faculty Representative in the External Reviewers' Team for Accreditation Visits from the National Center for Academic Accreditation and Evaluation from 18–19/04/2016.
29. Member of the Committee for Laboratory Equipment and Services in the External Reviewers' Team for Accreditation Visits from the National Center for Academic Accreditation and Evaluation from 20–21/04/2016.
30. Member of the Zoology Department Council since 17/12/2014, until present.
31. Member of the Committee for Teaching Assistants and Scholarship Students from 23/12/2014 until the end of the academic year 2015.
32. Member of the Committee for Development and Quality (Computer and Internet) from 23/12/2014 until the end of the academic year 2015.

33. Member of the Committee for Laboratory Equipment and for the academic year 2008/2009.

B- At King Saud University

1. Member of the Subcommittee for Research Ethics on Animals and Plants, No. 207477/20/4, dated 12/02/2025, until the present.
2. Member of the working team for the " Study Delay and Psychological Support" project, No. 25126/4/1, dated 29/11/2015.
3. Introducing the training course "Building Test Questions Using Table Specifications" to the Deanship of Skills Development, January 24-25/01/2016, with a duration of 10 hours.

C- At Al-Ghad International College for Applied Medical Sciences in Tabuk

1. Head of the Committee for Preparing for the Fourth and Fifth Graduation Ceremonies, with the honor of His Royal Highness the Prince of Tabuk Region, for the academic years 2017-2018.
2. Chair of Academic Quality Unit.
3. Chair of Clinical Training and internship Unit.
4. Chair of the Faculty Development Committee.
5. Chair of the Graduate Students Follow-up Committee.
6. Chair of the Examinations Committee.
7. Chair of the Freshman Student Orientation Committee.
8. Chair of the Student Advisory Council.

D- At Al-Ghad International College for Applied Medical Sciences in Riyadh

1. Member of the High Committee for Admission and Registration Follow-up at Al-Ghad International Colleges of Applied Medical Sciences in Riyadh, with reference number M R/2889/7 and dated 27/7/2022.
2. Chair of the Participation Team for Al-Ghad International Colleges of Applied Medical Sciences in the International Education Conference and Exhibition, held from 8-11/05/2022.
3. Member of the Committee for Reviewing and Updating the Report of Al-Ghad International Colleges of Applied Medical Sciences, with reference number 14Sh K/3/2022 and dated 21/3/2022.
4. Chair of the Committee for Preparing the Permanent Building of Al-Ghad College in Riyadh, with reference number M R/2782/12 and dated 15/12/2021.
5. Chair of the Committee for the Transition to the Permanent Building of Al-Ghad College in Riyadh, with reference number 191/K R/4/2021 and dated 21/4/2021.
6. Member of the High Crisis Management Committee at Al-Ghad International Colleges of Applied Medical Sciences, with reference number M R/2426/8 and dated 30/8/2020.
7. Chair of the Committee for Attracting Bridge Program Students to Join Al-Ghad International Colleges of Applied Medical Sciences, with reference number M R/2317/11 and dated 25/11/2019.
8. Member of the Central Examinations Review Committee at Al-Ghad International Colleges of Applied Medical Sciences, with reference number M R/2295/10 and dated 15/10/2019.
9. Chair of the Faculty Development Skills Committee.
10. Chair of the Procurement and Maintenance Committee.
11. Chair of the Student Advisory Council.

E- Community Service

1. Conducted a training workshop titled "How to characterize any unknown nucleotides and protein sequences?" for Biology Department, College of Science, Imam Mohammad bin Saud Islamic University on 18/12/2024.
2. Member of the Executive Council of Al-Ghad International Colleges for Applied Medical Sciences for the academic years 2020-2022.
3. Member of the Board of Trustees of Al-Ghad International Colleges for Applied Medical Sciences from the academic year 2017 until 2022.
4. Member of the Deans' Council of Al-Ghad Colleges from the academic year 2017 until 2022.
5. Member of the Committee for Evaluating and Revising the Biology Student Textbook for the First Year of Secondary School, appointed by the Deputy Minister of Education for Educational Development for the academic year 2006/2007.
6. Member of the Committee for Evaluating and Revising the Biology Student Textbook for the Second Year of Secondary School (Two Books, First and Second Semester), appointed by the Deputy Minister of Education for Educational Development for the academic year 2006/2007.
7. A trainer Collaborator at Deanship of Skills Development, 2016, King Saud University
8. A treasurer of the Saudi Club for the thirty-first session, 2012, Bangor, United Kingdom.
9. Trainer at Raiz Training and Development Institute in Riyadh in the preparatory and preparational program for achievement tests for scientific colleges in Biology for three consecutive years from the academic year 2005 until the academic year 2008.
10. Collaborating with the National Center for Assessment (Qiyas) to write achievement test questions for students in Biology, ongoing.
11. Collaborating with the National Center for Assessment (Qiyas) to write competency test questions for teachers in Biology and Science, ongoing.

Conferences and Symposiums:

International Conferences and Symposiums:

1. Attended the First Scientific Conference for Heads and Supervisors of Academic Departments titled "The Standard Program End-of-Test and its Role in Enhancing the Educational Process and Aligning it with the Labor Market" held from 10-12/11/2020, which was held virtually at King Abdulaziz University.
2. Attended the conference on "MicroRNAs and Noncoding RNAs in Cancer," held in Keystone, Colorado, USA, from 7-12/06/2015 (attendance only).
3. Attended the Meiosis Conference, held in Oxford, UK, from 29/08-3/09/2015 (attendance only).
4. Participated in a research presentation at the Synthetic Biomaterials 2018 Conference held in Tokyo, Japan, from 19-20/9/2018 (presentation by Dr. Yousef Hawsawi from King Faisal Specialist Hospital and Research Centre, Riyadh).
 - o Presentation Title: "Novel Sequence Variants in the TLR6 Gene associated with the Advanced Breast Cancer Risk in Saudi Population."
 - o Yousef Hawsawi; Nouf Al-Nomair; **Mikhliid Almutairi**; Narasimha Reddy Parine; Abdullah Al Amri; Mohammad Saud Alanazi; and Abdelhabib Semlali.

Internal Conferences and Symposiums:

1. Participated with three scientific posters at the International Science Conference and Exhibition held at King Saud University from 6-8/2/2023.

Research titles:

- a. *PredictLNCrna: prediction of long non-coding RNA using machine learning and k-mer features.*
 - b. *MAGE-A1 and MAGE-B1 can be used as cancer biomarkers, and their expressions are regulated by hypomethylation in colon cancer tissues.*
 - c. *Identification of a group of human cancer germline genes and their epigenetic activation modulators in colon cancer patients.*
2. Participated with a scientific poster at the Graduation Projects Exhibition at Imam Mohammad bin Saud Islamic University on 7-8/11/2022.

Research title: Identification of Cancer-Testis Genes in Saudi Colon Cancer Patients.

3. Attended a seminar on safety in educational and research institutions, which was held virtually via Zoom in collaboration between the Safety and Laboratories Unit at the College of Science, King Saud University, and the Saudi Chemical Society, on Tuesday 7/9/2021.
4. Attended the 8th Annual Forum celebrating the International Anti-Corruption Day 2019, held on Monday, 9/12/2019 in Riyadh.
5. Presented a research paper at the International Medical Genome Conference held at King Abdulaziz University in Jeddah during the period from 29/11-3/12/2015.

Research title: Identification of New Cancer Testis Antigen Genes in Diverse Types of Malignant Human Tumor Cells.

6. Attended the seminar on activating partnerships between universities and the private sector in scientific research, which was held at King Saud University during the period 28-29/10/2015.
7. Attended the 2nd Saudi International Conference on Scientific Publishing 2015, held at King Saud University during the period 11-13/10/2015.
8. Attended the International Conference: Future Teacher - Preparation and Development, held at King Saud University during the period 6-7/10/2015.
9. Attended the 36th Scientific Meeting titled "Breast Cancer in Women in Saudi Arabia", held at King Faisal Specialist Hospital and Research Centre in Riyadh on 09/09/2015.

Laboratory teaching skills:

Molecular Biology and Genetics:

- Extraction of DNA and RNA from blood, tissues and cells in culture.
- Reverse transcriptase PCR (RT-PCR)
- Quantitative PCR (qRT-PCR)
- Primer Design for RT-PCR and real time PCR
- SNP disease correlations.
- Genotyping and Gene Expression.
- Gel electrophoresis (agarose and PAGE)
- Karyotyping and Chromosomal aberration techniques.
- DNA cloning strategies
- RNA interference (RNAi and siRNA)
- Immunohistochemistry

Cellular Biology:

- Cell and tissue culture.
- Maintain cell lines in culture.

Publications

Scientific research:

1. Houkang Ding, Ming Li, Ning Ma, Shahid Ali Rajput, **Mikhlid H. Almutairi**, Bader O. Almutairi, Zhaoqing Han, Aituan Ma, Dengshan Shiau, **2025**. Microbiome and metabolomic changes in rabbits induced by *Folium sennae*. *Plos One*.
2. Azka Haseeb, Shabana Naz, Sania Satti, Rifat Ullah Khan, Farheen Asad, Abdulwahed Fahad Alrefaei, **Mikhlid H. Almutairi**, Naseer Khan Momand and Demilade Israel Ibiwoye, **2025**. Comparative impact of selenium sources and doses on sexual behaviour, productivity and gonadal bioaccumulation in *Coturnix coturnix japonica*. *JOURNAL OF APPLIED ANIMAL RESEARCH*.
3. Aimen Khalid, Sania Satti, Anqash Ayyub, Faisal Nawab, Muhammad Tahir, Shabana Naz, Mikhlid H. Almutairi, Abdulwahed Fahad Alrefaei, Rifat Ullah Khan, Demilade Israel Ibiwoye, **2025**. Blood, feathers, and eggs as bioindicators of selenium sources and their impact on DNA damage in Japanese quails (*Coturnix japonica*). *Research in Veterinary Science*.
4. Tejshwini Doddamani, Balamuralikrishnan Balasubramanian, Siddappa Kakkalameli, Joseph Kadanthottu Sebastian, Manikantan Pappuswamy, Bader O. Almutairi, Mikhlid H. Almutairi, and Azharuddin Daphedar, **2025**. Phytofabricated Silver Nanoparticles Derived from *Leea crispa* Leaf Extract: Antituberculosis and Anticancer Activities. *BioResources*.
5. Rasiravathanahalli Kaveriyappan Govindarajan, Abdulwahed Fahad Alrefaei, **Mikhlid H. Almutairi**, Chartchai Khanongnuch, and Maximilian Lackner, **2024**. The bio-transformation of green tea infusion with tannase enzymes produced by *Bacillus subtilis* KMS2-2. *Journal of Food Science and Technology*.
6. P. Snega Priya, S. P. Ramya Ranjan Nayak, Thirumal Margesan, Vellapandian Chitra, **Mikhlid H. Almutairi**, Bader O. Almutairi, Kathiravan Muthu Kumaradoss, S. Karthick Raja Namasivayam, Jesu Arockiaraj, **2024**. Investigating the osteoprotective effects of quercetin and rutin from *Terminalia chebula* in glucocorticoid-induced osteoporosis *in vitro* cell line and *in vivo* zebrafish model. *South African Journal of Botany*.
7. **Mikhlid H. Almutairi**, Shahrukh Khan, Fozia Fozia, Madeeha Aslam, Ijaz Ahmad, Mika Sillanpää, Bader O. Almutairi, and Ziaullah Ziaullah, **2024**. Green chemistry approach to synthesize titanium dioxide nanoparticles using *Fagonia Cretica* extract, novel strategy for developing antimicrobial and antidiabetic therapies. *Green Processing and Synthesis*.
8. S Madesh, Senthilkumar Palaniappan, Anand Aravind, Avra Sau, **Mikhlid H Almutairi**, Bader O Almutairi, Ilavenil Soundharrajan, S Karthick Raja Namasivayam, Kathiravan Muthu Kumaradoss, Jesu Arockiaraj, **2025**. Mitigation of gentamycin induced acute kidney injury due to benzothiazole derivatives N1 and N5: Antioxidant and renoprotective mechanisms in-vivo zebrafish. *Toxicology Letters*.
9. Khair Ullah, **Mikhlid H. Almutairi**, Muhammad Naseer Abbas, Abdul Wahab, Sundas Nayab, Fozia Fozia, Muhammad Asghar Khan, Zafar Ali Shah, Ijaz Ahmad, Bader O.

- Almutairi and Ziaullah Ziaullah, **2025**. Discovery of Selective β -Secretase (BACE-1) Inhibitors by the Solid-Phase Synthesis of Small Molecular-sized Peptides. *Current Alzheimer Research*.
10. Muhammad Asif Arain¹, Gul Bahar Khaskheli, Ghulam Shabir Barham, Qurban Ali Shah, Fazul Nabi, **Mikhlid H. Almutairi**, Bader O. Almutairi, and Illahi Bakhsh Marghazani, **2025**. Exploring the anti-diabetic properties of camel milk: effects on blood glucose, antioxidant defense, and organ histo-morphological features in rabbits. *Journal of Molecular Histology*.
 11. Mohanad A. Ibrahim, Marco Tolone, Mario Barbato, Faisal M. Alsubaie, Abdulwahed Fahad Alrefaei and **Mikhlid Almutairi**, **2025**. Geographical Distribution, Genetic Diversity, and Environmental Adaptations of Dromedary Camel Breeds in Saudi Arabia. *Frontiers in Veterinary Science*.
 12. S. Madesh, Gokul Sudhakaran, Karthikeyan Ramamurthy, Avra Sau, Kathiravan Muthu Kumaradoss, **Mikhlid H. Almutairi**, Bader O. Almutairi, Senthilkumar Palaniappan, Jesu Arockiaraj, **2024**. Protective role of 2-aminothiazole derivative against ethanol-induced teratogenic effects *in-vivo* zebrafish. *Biochemical Pharmacology*.
 13. Bader O. Almutairi, **Mikhlid H. Almutairi**, Badr A. Al-Dahmash, Saad Alkahtani, Saud Alarifi, Ahmed Rady, **2024**. Phytochemical profiling and anticancer potential of *Cymbopogon citratus* extract. *Asian Pacific Journal of Tropical Biomedicine*.
 14. **Mikhlid H. Almutairi**, Waad A. Alsoraie, Turki M. Alrubie, Ahmad S. Alkhaldi, Nada S. Alhajri, Monira A. Alaujan, Manar H. Almutairi, Bader O. Almutairi, **2024**. Increased MAGE-C family gene expression levels as a biomarker of colon cancer through the demethylation mechanism. *Pharmaceuticals*.
 15. S Madesh, Gokul Sudhakaran, Ramu Meenatchi, K Manikandan, Nagarajan Balachandran Dhayanithi, **Mikhlid H. Almutairi**, Bader O Almutairi, Ajay Guru, Jesu Arockiaraj, **2024**. Neurobehavioral and bioaccumulative toxicity in adult *in-vivo* zebrafish model due to prolonged cadmium exposure in the presence of ketoprofen. *Journal of Biochemical and Molecular Toxicology*.
 16. Raghul Murugan, Kumar Ashok, S.P. Ramya Ranjan Nayak, Priya Deivasigamani, **Mikhlid H. Almutairi**, Bader O. Almutairi, Ajay Gurue, Muthu Kumaradoss Kathiravan, Jesu Arockiaraj, **2024**. COX-2 targeted therapy for diabetic foot ulcers using T7-enhanced CS - PVA membranes. *International Immunopharmacology*.
 17. Gokul Sudhakaran, D. Kesavan, S.P. Ramya Ranjan Nayak, S. Madesh, Ramu Meenatchi, Raman Pachaiappan, **Mikhlid H. Almutairi**, Bader O. Almutairi, Jesu Arockiaraj, **2024**. Bisphenol A-induced ovarian damage countered by luteolin: Experiments in *in vitro* CHO cells and *in vivo* PCOS phenotype zebrafish. *Tissue and Cell*.
 18. Yingjun Zhang, Reng Qiu, Zhifeng Zhang, **Mikhlid H. Almutairi**, Shah Nawaz and Shiqi Dong, **2024**. Effect of *Morchella esculenta* polysaccharides on the rectal microbiota of mice challenged with lipopolysaccharides. *Frontiers in Veterinary Science*.
 19. **Mikhlid H. Almutairi**, Turki M. Alrubie, Alaa T. Alshareeda, Nada Albarakati, Alhomidi Almotiri, Abdullah M. Alamri, Bader O. Almutairi, and Mohammad Alanazi, **2024**. Differential expression and regulation of *ADAD1*, *DMRTC2*, *PRSS54*, *SYCE1*, *SYCP1*,

- TEX101, TEX48, and Tmprss12 gene profiles in colon cancer tissues and their *in vitro* response to epigenetic drugs. *Plos One*.
20. B. Haridevamuthu, Tamilvelan Manjunathan, Seenivasan Boopathi, **Mikhlid H. Almutairi**, Bader O. Almutairi, Thipramalai Thankappan Ajith Kumar, Ajay Guru, Pushparathinam Gopinath & Jesu Arockiaraj, **2024**. Protective Effect of Sulfur-Containing Heterocyclic Analogs Against Acrylamide-Induced Behavioral and Biochemical Alterations in Zebrafish. *Molecular Neurobiology*.
 21. Ahmad M Almatrafi, Salman Alamery, and **Mikhlid H. Almutairi**, **2024**. Expression Pattern Analysis of the MAGE family Genes in Breast Cancer Patients and Hypomethylation Activation in the MCF-7 Cells. *Heliyon*.
 22. B. Haridevamuthu, S.P. Ramya Ranjan Nayak, Raghul Murugan, Gokul Sudhakaran, Raman Pachaiappan, K. Manikandan, Vellapandian Chitra, **Mikhlid H. Almutairi**, Bader O. Almutairi, M.K. Kathiravan, Jesu Arockiaraj, **2024**. Co-occurrence of azorubine and bisphenol A in beverages increases the risk of developmental toxicity: A study in zebrafish model. *Food and Chemical Toxicology*.
 23. S. Madesh, Gokul Sudhakaran, Karthikeyan Ramamurthy, M.K. Kathiravan, **Mikhlid H. Almutairi**, Bader O. Almutairi, Selvaraj Arokiyaraj, Ajay Guru, and Jesu Arockiaraj, **2024**. Cadmium and ketoprofen accumulation influences aquatic ecosystem demonstrated using *in-vivo* zebrafish model. *Drug and Chemical Toxicology*.
 24. Faisal M. Alsubaie, Mohanad A. Ibrahim, Suheel Yousuf Wani, Ashraf Awad, Abdulwahed Fahad Alrefaei, and **Mikhlid H. Almutairi**, **2024**. Genome-Wide Association Study for High Milk Yield in Saudi Arabian Dromedary using Whole Genome Sequencing. *Advances in Agriculture*.
 25. Nassima Gassib, Hawraa Issa, Lionel Loubaki, Sarah Behaz, **Mikhlid H. Almutairi**, Mahmoud Rouabhia, and Abdelhabib Semlali, **2024**. Cellular mechanisms mediating the anti-cancer effects of carnosol on gingiva carcinoma. *Scientific Reports*.
 26. G.C. Leela Priyanka, N.C. Mahalakshmi, **Mikhlid H. Almutairi**, Bader O. Almutairi, Gokul Sudhakaran, B. Premkumar, Jesu Arockiaraj, **2024**. Tanshinone IIA from *Salvia miltiorrhiza* alleviates follicular maturation arrest symptoms in zebrafish via binding to the human androgen receptors and modulating Tox3 and Dennd1a. *Tissue and Cell*.
 27. Hawraa Issa, Lionel Loubaki, Abdullah Alamri, Kazem Zibara, **Mikhlid H. Almutairi**, Mahmoud Rouabhia, and Abdelhabib Semlali, **2024**. Eugenol as a potential adjuvant therapy for gingival squamous cell carcinoma. *Scientific Reports*.
 28. Muhammad Muddassir Ali, Zainab Farhad, Muhammad Wasim, Sohail Raza, **Mikhlid H. Almutairi**, Kainat Zahra, Muhammad Usman Saleem, Khalid Mehmood, **2024**. Evaluation of genotoxic effect via expression of DNA damage responsive gene induced by ivermectin on MDBK cell line. *Plos One*.
 29. B. Haridevamuthu, Gokul Sudhakaran, Raman Pachaiyappan, M.K. Kathiravan, K. Manikandan, **Mikhlid Almutairi**, Bader Almutairi, Selvaraj Arokiyaraj, and Jesu Arockiaraj, **2024**. Daidzein ameliorates non-motor symptoms of manganese-induced Parkinsonism in zebrafish model: Behavioral and biochemical approach. *British Journal of Pharmacology*.

- 30.S.P. Ramya Ranjan Nayak, B. Haridevamuthu, Raghul Murugan, L.S. Dhivya, S. Venkatesan, **Mikhlid H. Almutairi**, Bader O. Almutairi, M.K. Kathiravan, S. Karthick Raja Namasivayam, Jesu Arockiaraj, **2024**. Furan-based chalcone protects β -cell damage and improves glucose uptake in alloxan-induced zebrafish diabetic model via influencing Peroxisome Proliferator-Activated Receptor agonists (PPAR- γ) signaling. *Process Biochemistry*.
- 31.B. Ramya, Ameer Khusro, V. Indra, Paul Agastian, **Mikhlid H. Almutairi**, Bader O. Almutairi, **2024**. Green synthesis of silver nanoparticles using Justicia adhatoda leaves extract and its anticancer effect on human lung carcinoma via induced apoptosis mechanism. *Results in Chemistry*.
- 32.Gokul Sudhakaran, P. Snega Priya, B. Haridevamuthu, Raghul Murugan, Jagan Kannan, **Mikhlid H. Almutairi**, Bader O. Almutairi, Ajay Guru, and Jesu Arockiaraj, **2024**. Mechanistic interplay of dual environmental stressors: Bisphenol-A and cadmium-induced ovarian follicular damage and hepatocyte dysfunction in vivo. *Science of the Total Environment*.
- 33.Turki M. Alrubie, Jilani P. Shaik, Abdullah M. Alamri, Mohammad Alanazi, Alaa T. Alshareeda, Ayyob alqarni, Homoud G. Alawfi, Sarah M. Almaiman, and **Mikhlid H. Almutairi**, **2023**. *FTHL17*, *PRM2*, *CABYR*, *CPXCR1*, *ADAM29*, and *CABS1* are highly expressed in colon cancer patients and are regulated *in vitro* by epigenetic alterations. *Heliyon*.
- 34.Khalil Said, Muhammad Hamayun, Mamoon Rauf, Sumera Afzal Khan, Muhammad Arif, Abdulwahed Fahad Alrefaei, **Mikhlid H. Almutairi**, and Sajid Ali, **2023**. Simultaneous study of Analysis of Anti-inflammatory Potential of *Dryopteris ramosa* (C. Hope) C. Chr. using GC- Mass and Computational Modeling on the Xylene-Induced Ear Oedema in Mouse Model. *Current Pharmaceutical Design*.
- 35.Jing Li, Zhihao Cui, Ming Wei, **Mikhlid H. Almutairi**, and Peishi Yan, **2023**. Omic analysis of the effect of cold normal saline stress through gastric gavage on LPS induced mice. *Frontiers in Microbiology*.
- 36.Ahmed E. Altyar, Osama A. Kensara, Amany A. Sayed, Lotfi Aleya, **Mikhlid H. Almutairi**, Mohamed Sayed Zaazouee, Alaa Ahmed Elshanbary, Fatma M El-Demerdash, and Mohamed M. Abdel-Daim, **2023**. Acute aflatoxin B1-induced hepatic and cardiac oxidative damage in rats: ameliorative effects of morin. *Heliyon*
- 37.Abida Abida, **Mikhlid H. Almutairi**, Nadia Mushtaq, Mushtaq Ahmed, Naila Sher, Fozia Fozia, Ijaz Ahmad, Bader O. Almutairi, Zia Ullah, **2023**. Revolutionizing Nanotechnology with Filago Desertorum Extract: Biogenic Synthesis of Silver Nanoparticles Exhibiting Potent Antioxidant and Antibacterial Activities. *ACS Omega*.
- 38.Turki M. Alrubie, Jilani P. Shaik, Abdullah M. Alamri, Bader O. Almutairi, Mohanad A. Ibrahim, Mohammad Alanazi, and **Mikhlid H. Almutairi**, **2023**. Identification and characterization of testis-specific gene expressions in mouse tissues. *Journal of King Saud University – Science*.
- 39.Shakeel Ahmad, Shahid Ali Shah, Umar Nishan, Naeem Khan, **Mikhlid H. Almutairi**, Fozia Fozia, Nargis Jamila, Bader O. Almutairi, Zia Ullah, **2023**. 6-Amino Flavone Activates

- Nrf-2 to Inhibit Phospho-JNK/TNF α Signaling Pathway to Reduce Amyloid Burden in Aging Mouse Model. *ACS Omega*.
40. B. Haridevamuthu, Boopathi Seenivasan, P. Snega Priya, Subramani Muthuraman, Rajendran Saravana Kumar, K. Manikandan, Bader O. Almutairi, **Mikhlid H. Almutairi**, Selvaraj Arokiyaraj, Pushparathinam Gopinath, Jesu Arockiaraj, **2023**. Hepatoprotective effect of dihydroxy piperlongumine in high cholesterol-induced non-alcoholic fatty liver disease zebrafish via antioxidant activity. *European Journal of Pharmacology*
 41. Safiah Almushawwah, **Mikhlid H. Almutairi**, Abdullah Alamri and Abdelhabib Semlali, **2023**. A Significant Increasing Risk Association between Cigarette Smoking and XPA and XPC genes Polymorphisms. *Genes*.
 42. Bader O. Almutairi, Ahmed Sholia Mater, Nael abutaha, and **Mikhlid H. Almutairi**, **2023**. In-vitro antiproliferative efficacy of Annona muricata seed and fruit extracts on several cancer cell lines. *Open Chemistry*
 43. Bader O. Almutairi, **Mikhlid H. Almutairi**, Abdulwahed F. Alrefaei, Saad Alkahtani and Saud Alarifi, **2023**. *HSPB6* Is Depleted in Colon Cancer Patients and Its Expression Is Induced by 5-aza-2-Deoxycytidine In Vitro. *Medicina*.
 44. Turki M. Alrubie, Abdullah M. Alamri, Bader O. Almutairi, Abdulwahed F. Alrefaei, Maha M. Arafah, Mohammad Alanazi, Abdelhabib Semlali, and **Mikhlid H. Almutairi**. **2023**, Higher Expression Levels of SSX1 and SSX2 in Patients with Colon Cancer: Regulated In Vitro by the Inhibition of Methylation and Histone Deacetylation. *Medicina*.
 45. **Mikhlid H. Almutairi**, Turki M. Alrubie, Bader O. Almutairi, Abdullah M. Alamri, Abdulwahed F. Alrefaei, Maha M. Arafah, Mohammad Alanazi, and Abdelhabib Semlali, **2022**. The Expression Patterns of Human Cancer-Testis Genes are Induced Through Epigenetic Drugs in Colon Cancer Cells. *Pharmaceuticals*.
 46. Abdulwahed Fahad Alrefaei, Majidh Fahad Al-Mrshoud, Abdulrahman Mohammed Alotaibi, Zubair Ahmad, Muhammad Farooq, Hmoud Fares Albalawi, Mohammed Fahad Albeshr, Eman Alshehri, **Mikhlid H. Almutairi**, and Gaston A. Pizzio, **2022**. Molecular identification and Phylogenetic Analysis of cytochrome b gene from Garra Tibanica an endogenous Species from Saudi Arabia. *Journal of King Saud University Science*.
 47. Neelum Iqbal, Hafiz Muhammad Zubair, **Mikhlid H. Almutairi**, Muhammad Abbas, Muhammad Furqan Akhtar, Lotfi Aleya, Mohamed Kamel, Ammara Saleem, Qaiser Jabeen, Sobia Noreen, Mirza Muhammad Faran Ashraf Baig, Mohamed M. Abdel-Daim, **2022**. Hepatoprotective effects of Cordia rothii extract against oxidative stress induced by CCl₄ via Nrf2–NF κ B pathways. *Biomedicine and Pharmacotherapy*.
 48. Ajay Guru, Gokul Sudhakaran, **Mikhlid H. Almutairi**, Bader O. Almutairi, Annie Juliet, and Jesu Arockiaraj, **2022**. β -cells regeneration by WL15 of cysteine and glycine-rich protein 2 which reduces alloxan induced β -cell dysfunction and oxidative stress through phosphoenolpyruvate carboxykinase and insulin pathway in zebrafish in-vivo larval model. *Molecular Biology Reports*.
 49. Mona M. Elghareeb, Gehad E. Elshopakey, Tarek A. Elkhooly, Basma Salama, Alaa Samy, Fuller W Bazer, Mohammed A Elmetwally, **Mikhlid H. Almutairi**, Lotfi Aleya, Mohamed M. Abdel-Daim, Shaymaa Rezk, **2022**. Estradiol and Zinc-doped Nano hydroxyapatite as Therapeutic Agents in Prevention of Osteoporosis; Oxidative stress status, Inflammation,

- Bone turnover, Bone mineral density, and histological alterations in Ovariectomized Rats. *Frontiers in Physiology*.
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Authored Books:

1. Fahad Al-Akeel, Sulaiman Al-Habib, **Mikhlid Almutairi**, Ahmad Al-Sadoon, Saad Al-Ghamdi, Mohammed Al-Soud, Ahmed Al-Fouzan. 2007-2008. Biology textbook for the first year of secondary school, Ministry of Education.
2. Fahad Al-Akeel, Sulaiman Al-Habib, **Mikhlid Almutairi**, Ahmad Al-Sadoon, Mohammed Al-Soud, Ahmed Al-Fouzan. 2007-2008. Biology textbook for the second year of secondary school (first semester), Ministry of Education.

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Interests and Hobbies:

- Football and Volleyball

Computer Skills:

- Extensive Knowledge of Microsoft Office Programs (Word, Excel, PowerPoint).
- Internet Explorer
- SPSS program

Certificates of Appreciation:

1. Certificate of Appreciation from the Head of Biology Department, College of Science, Imam Mohammad bin Saud Islamic University, for providing a training workshop on how to characterize any unknown nucleotides and protein sequences? held on 18/12/2024.
2. Certificate of Appreciation from the Head of the Training and Community Relations Unit at the College of Science, King Saud University, for providing a training course on Designing Specific Primers for CDS Cloning of the Desired Gene held on 30/10/2024.
3. Certificate of Appreciation from the Head of the Training and Community Relations Unit at the College of Science, King Saud University, for providing a training course on How to Use in Silico Analysis to Find the DNA, mRNA, CDS, and Protein Sequences of Your Target Gene? held on 14/10/2024.
4. Certificate of Appreciation from the Head of the Training and Community Relations Unit at the College of Science, King Saud University, for providing two training courses for graduate students at the college, during the second semester of the academic year 2023.
5. Certificate of Appreciation from the Vice Rector for Female Students Affairs at Imam Mohammad bin Saud Islamic University for participating in the First Graduation Projects Exhibition for female students during the first semester of the academic year 2022.
6. Certificate of Appreciation from the Director-General of Al-Ghad International College for Applied Medical Sciences for excellence in academic and administrative fields during my tenure as the Dean of Al-Ghad International College for Applied Medical Sciences in Tabuk, then as the Dean of Al-Ghad International College for Applied Medical Sciences in Riyadh.
7. Certificate of Appreciation from the Director of the General Administration of Communications and Information Technology at the Ministry of Interior / Public Security for training members of Al-Ghad International College for Applied Medical Sciences in Riyadh on a first aid course, on 25/03/2021.
8. Certificate of Appreciation from the Training and Development Department at Nadec for participating in the "Your Health Matters" campaign for the year 2021.
9. Certificate of Appreciation from the National Association for Community Services (Ajwad) for voluntary participation in providing several courses at the National Association for Community Services during the year 2021.
10. Certificate of Appreciation from His Royal Highness, the Chairman of the Administrative Board of Saudi Student Clubs in the United Kingdom and Ireland, for my work as the Treasurer for the Saudi Students Club in Bangor during its 31st term.