



Dr. Muzahed Abdul Rasheed

Associate professor

Personal Data

Nationality | Indian
Date of Birth | 03.09.1980
Department | Clinical Laboratory Science
Official IAU Email | marasheed@iau.edu.sa
Office Phone No. | 31255

Language Proficiency

Language	Read	Write	Speak
Arabic	x	x	✓
English	✓	✓	✓

Academic Qualifications

Academic Degree	Year	Place of Issue	Address
Doctor of Philosophy	2010	Gulbarga University	India
Master of Philosophy	2006	Gulbarga University	India
Master of Science	2004	Gulbarga University	India
Bachelor of Science	2001	Gulbarga University	India

PhD, Master or Fellowship Research Title:

Doctor of Philosophy	Molecular characterization of ESβl-positive <i>Klebsiella pneumoniae</i> isolates from the northeastern part of Karnataka, South India
Master of Philosophy	Production of microbial enzymatic detergent for washing surgical instruments



Professional Record:

Job Rank	Place and Address of Work	Date
Associate Professor	Department of Clinical Laboratory Science, College of Applied Medical Sciences, Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia	2024-Till date
Assistant Professor	Department of Clinical Laboratory Science, College of Applied Medical Sciences, Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia	2014-2024
Assistant Professor	Dept. of Microbiology, Shree Anand Degree College, Gulbarga University, Raichur, India.	2013-2014
Lecturer	Division of Molecular Microbiology, Prince Mohammed Center for Research and Consultation Studies, University of Dammam, Dammam, Saudi Arabia	2010-2013

Scientific Achievements

Published Refereed Scientific Researches

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1.	Qureshi F, Aljameel SS, Nawaz M, Ansari MA, Khan FA, Akhtar S, Alsayed MA, Akbar MJ, Muzaheed .	Exploration of Cytotoxicity and Antibacterial Activities of M-Ceo2 (M = Ag, Cu, Te, and Ta) Nanoparticles.	ChemistryOpen. 2025 Sep 12:e202500278. doi: 10.1002/open.202500278. Q2
2.	Aljameel SS, Al-Sunbul RM, Alabdrabalnabi FZ, Nawaz M, Berekaa MM, Abbas HF, Al Saeed MK, Akbar MJ, Taha M, Muzaheed .	Impact of Ag and Se on the physiochemical, anti-bacterial, and cytotoxic activities of LaPO4 nanoparticles.	Inorg Chem Commun. 2025;173:113822. doi:10.1016/j.inoche.2025.113822. Q2
3.	Bernawi F, Alamri A, Muzaheed , Alnimr A.	Clinical and epidemiological characteristics of multi-drug resistant Enterobacterales isolated from King Fahad Hospital of the University, AlKhobar, Saudi Arabia.	J Med Life. 2024 Jan;17(1):41-49. doi: 10.25122/jml-2023-0189. PMID: 38737657; PMCID: PMC11080504. Q2



4.	Rabaan AA, Al Kaabi NA, Muzaheed , Alfaresi M, Garout M, Alotaibi N, Alwashmi ASS, Alsayyah A, Alali NA, Sulaiman T, Alotaibi J, Alissa M.	Antiviral actions of natural compounds against den-gue virus RNA dependent RNA polymerase: insights from molecular dynamics and Gibbs free energy landscape.	J Biomol Struct Dyn. 2024 Mar 5:1-18. doi: 10.1080/07391102.2024.2325120. Epub ahead of print. PMID: 38441606 Q2
5.	Yong SJ, Halim A, Liu S, Halim M, Alshehri AA, Alshahrani MA, Alshahrani MM, Alfaraj AH, Albu-raiky LM, Khamis F, Muzaheed , AlShehail BM, Alfaresi M, Al Azmi R, Albayat H, Al Kaabi NA, Alhajri M, Al Amri KAS, Alsalman J, Algosaibi SA, Al Fares MA, Almanaa TN, Almutawif YA, Mo-hapatra RK, Rabaan AA.	Pooled rates and demographics of POTS following SARS-CoV-2 infection versus COVID-19 vaccination: Systematic review and meta-analysis.	Auton Neurosci. 2023 Nov 23; 250:103132. doi: 10.1016/j.autneu.2023.103132. Q2
6.	Basavarajappa DS, Niazi SK, Bepari A, Assiri RA, Hussain SA, Muzaheed , Nayaka S, Hiremath H, Rudrappa M, Chakraborty B, Hugar A.	Efficacy of Penicillium limosum Strain AK-7 Derived Bioactive Metabolites on Antimicrobial, Antioxidant, and Anticancer Activity against Human Ovarian Teratocarcinoma (PA-1) Cell Line.	Microorganisms. 2023 Oct 3;11(10):2480. doi: 10.3390/microorganisms11102480. Q2
7.	Rabaan AA, Uzairue LI, Alfaraj AH, Halwani MA, Muzaheed , Alawfi A, Alshengeti A, Al Kaabi NA, Alawad E, Alhajri M, Alwarthan S, Alshukairi AN, Almuthree SA, Alsubki RA, Alshehri NN, Alissa M, Albayat H, Zaidan TI, Alagoul H, Fraij AA, Alestad JH.	Seroprevalence, Risk Factors and Maternal-Fetal Outcomes of Toxoplasma gondii in Pregnant Women from WHO Eastern Mediterranean Region: Systematic Review and Meta-Analysis.	Pathogens. 2023 Sep 12;12(9):1157. doi: 10.3390/pathogens12091157. Q2
8.	Muzaheed.	Awareness and attitude of female university students on the human papillomavirus and vaccination: A cross-sectional study.	Electron J Gen Med. 2023;20(1) Q2
9.	Alzahrani FM, Al Faris AA, Shaikh SS, Hassan FM,	Phenotypic and genotypic (exon 28) characterization of patients	J Med Life. 2023 Mar;16(3):428-



	Aldossary MA, Al Sultan O, Elhadi N, Alabsi SS, Alsahli M, Bashawri LA, Muzaheed M, Goodeve A.	diagnosed with von Willebrand disease type 1 in Eastern Saudi Arabia.	433. doi: 10.25122/jml-2022-0276. PMID: 37168293; PMCID: PMC10165513. Q2
10	Alzahrani FM, Al-Mulhim A, Shaikh SS, Aldossary MA, Aldarmahi A, Alnaam Y, Al-Jamea LH, Al-Maqati T, Elnagi E, Hassan FM, Muzaheed .	The association of thrombophilia in women with severe obstetric complications.	J Med Life. 2022 Oct;15(10):1299-1304. doi: 10.25122/jml-2022-0182. PMID: 36420283; PMCID: PMC9675312. Q2
11	Almaqati T, Elnagi EA, Al Zahrani F, Muzaheed , Mohammed ZS, Alomar A, George SK, Jacob AM, Mashwal FA.	Molecular epidemiology of SEN virus among blood donors and renal dialysis patients.	Acta Biomed. 2022 Oct 26;93(5):e2022237. doi:10.23750/abm.v93i5.13005. PMID: 36300231; PMCID: PMC9686150. Q2
12	Muzaheed , Alshehri BA, Rabaan AA, El-Masry OS, Acharya S, Alzahrani FM, Al Mutair A, Alhu-maid S, Al-Tawfiq JA, Muhammad J, Khan A, Dhama K, Al-Omari A.	A 20-year retrospective clinical analysis of Candida infections in the tertiary centre: Single-center experience.	J Infect Public Health. 2022 Jan;15(1):69-74. doi: 10.1016/j.jiph.2021.11.014. Epub 2021 Nov 14. PMID: 34815182. Q1
13	Ahmad T, Muzaheed , Haroon H, Ornos EDB et al.	Bibliometric analysis and network visualization mapping of global research in Q fever vaccine.	F1000Research 2022, 11:364. Q2
14	El-Masry OS, Muzaheed .	Incidence and assessment of demography-related risk factors associated with pulmonary tuberculosis in Saudi Arabia: A retrospective analysis.	Pak J Med Sci. 2022;38(4):850-854. Q2



15	Alsharani F, Zafar M, Omar EO, Muzaheed .	Lifestyle Risk Factors Associated with Tuberculosis Patients in Asir Region of Saudi Arabia.	Int J Prev Med. 2021 Jul 9; 12:89. doi: 10.4103/ijpvm.IJP VM_211_19. PMID: 34584655; PMID: 34584655; PMID: 34584655; PMID: 34584655. Q2
16	Muzaheed , M., El-Masry, O. S., Rabaan, A. A., Alzahrani, F., Alomar, A., & Farooqi, F. A. (2021).	Comparative cross-sectional assessment of knowledge, attitude and practice among university students and employees towards the use of the microbiology laboratory equipment.	F1000Research, 10, 117. Q2
17	Muzaheed , Sattar Shaikh N, Sattar Shaikh S, Acharya S, Sarwar Moosa S, Habeeb Shaikh M, M Alzahrani F, Ibrahim Alomar A.	Molecular Epidemiological Surveillance of CTX-M-15-producing Klebsiella pneumoniae from the patients of a teaching hospital in Sindh, Pakistan.	F1000Res. 2021 Jun 4; 10:444. doi: 10.12688/f1000research.53221.3. PMID: 34909182; PMID: 34909182; PMID: 34909182; PMID: 34909182. Q2
18	Abuderman, A., & Muzaheed .	Antibacterial effectiveness of scaling and root planing with and without photodynamic therapy against Campylobacter rectus counts in the oral biofilm of patients with periodontitis.	Photodiagnosis and photodynamic therapy, 2021, 33, 102170. Q2
19	Alzahrani, F. M., Al-Amri, A., Shaikh, S. S., Muzaheed , Alomar, A. I., Acharya, S., Aldossary, M. A., & Hassan, F. M. (2021).	Direct DNA Sequencing-Based Analysis of Microbiota Associated with Hematological Malignancies in the Eastern Province of Saudi Arabia.	BioMed research international, 2021, 4202019. Q2
20	Muzaheed	Helicobacter pylori Oncogenicity: Mechanism, Prevention, and Risk Factors.	The Scientific World Journal, 2020, 3018326. Q2
21	Muzaheed , Acharya, S., Hakami, A. R., Allemailem, K. S., Alqahtani, K., Al Saffan, A., Aldakheel, F. M., & Divakar, D. D.	Effectiveness of single versus multiple sessions of photodynamic therapy as adjunct to scaling and root planing on periodontopathogenic bacteria in patients with periodontitis.	Photodiagnosis and photodynamic therapy, 2020, 32, 102035. Q2



22	Linyu, L., Ali Abuderman, A. W., Muzaheed , Acharya, S., & Divakar, D. D.	Modulation of host immune status by cryptococcus co-infection during HIV-1 pathogenesis and its impact on CD+4 cell and cytokines environment.	Microbial pathogenesis, 2020, 139, 103864. Q2
23	Alzahrani, F. M., Muzaheed , Shaikh, S. S., Alomar, A. I., Acharya, S., & Elhadi, N.	Prevalence of Hepatitis B Virus (HBV) Among Blood Donors in Eastern Saudi Arabia: Results from a Five-Year Retrospective Study of HBV Seromarkers.	Annals of Laboratory Medicine, 2019, 39(1), 81-85. Q2
24	Alzahrani FM, Shaikh SS, and Muzaheed Abdul Rasheed.	Frequency of ABO-rhesus blood groups in the western region of Saudi Arabia.	Journal of King Abdulaziz University - Medical Sciences 2018; 25 (1): 9-13. Q4
25	Divakar, D. D., Jastaniyah, N. T., Altamimi, H. G., Alnakhli, Y. O., Muzaheed , Alkheraif, A. A., & Haleem, S. (2018).	Enhanced antimicrobial activity of naturally derived bioactive molecule chitosan conjugated silver nanoparticle against dental implant pathogens.	International journal of biological macromolecules, 108, 790-797. Q2
26	Muzaheed , Alzahrani, F. M., & Sattar Shaikh, S.	Acinetobacter baumannii Infection in Transfusion Dependent Thalassemia Patients with Sepsis.	BioMed research international, 2017, 2351037. Q2
27	Devang Divakar, D., Muzaheed , Aldeyab, S. S., Alfawaz, S. A., AlKheraif, A. A., & Ahmed Khan, A.	High proportions of Staphylococcus epidermidis in dental caries harbor multiple classes of antibiotic resistance, and significantly increase inflammatory interleukins in dental pulps.	Microbial pathogenesis, 2017 109, 29-34. Q2
28	Fatani, E. J., Almutairi, H. H., Alharbi, A. O., Alnakhli, Y. O., Divakar, D. D., Muzaheed , Alkheraif, A. A., & Khan, A. A.	In vitro assessment of stainless-steel orthodontic brackets coated with titanium oxide mixed Ag for anti-adherent and antibacterial properties against Streptococcus mutans and Porphyromonas gingivalis.	Microbial pathogenesis, 2017, 112, 190-194. Q2
29	Sadananda Acharya, Abdulmohsen Al-Elq, Awatif Al-Nafiae, Muzaheed , Amein Al-Ali.	Type 2 Diabetes Mellitus Susceptibility gene TCF7L2 is Strongly Associated with Hyperglycemia in the Saudi Arab	Eur Rev Med Pharmacol Sci. 2015



		Population of the Eastern Province of Saudi Arabia.	Aug;19(16):3100-6. Q2
30	Rabaan, A. A., Tirupathi, R., Sule, A. A., Aldali, J., Mutair, A. A., Alhumaid, S., Muzaheed , Gupta, N., Koritala, T., Adhikari, R., Bilal, M., Dhawan, M., Tiwari, R., Mitra, S., Emran, T. B., & Dhama, K.	Viral Dynamics and Real-Time RT-PCR Ct Values Correlation with Disease Severity in COVID-19.	Diagnostics (Basel, Switzerland), 2021, 11(6), 1091. Q2
31	Aziz Ansari, K., Farooqi, F., Qadir Khan, S., Alhareky, M., C Trinidad, M. A., Abidi, T., & Muzaheed .	Perception on Online Teaching and Learning Among Health Sciences Students in Higher Education Institutions during the COVID-19 Lockdown - Ways to Improve Teaching and Learning in Saudi Colleges and Universities.	F1000Research, 2021, 10, 177. Q2
32	Abushaheen, M. A., Muzaheed , Fatani, A. J., Alosaimi, M., Mansy, W., George, M., Acharya, S., Rathod, S., Divakar, D. D., Jhugroo, C., Vellappally, S., Khan, A. A., Shaik, J., & Jhugroo, P.	Antimicrobial resistance, mechanisms and its clinical significance.	Disease-a-month: DM, 2020, 66(6), 100971. Q2
33	Muzaheed , J Fatani A, D Divakar D, Rathod S, S Aloahd M.	Hospital based serological evidence of rickettsial diseases and assessment diagnostic tests of pyrexia of unknown origin.	Trop Doct. 2020;50(2):122-124. Q4
34	Alyousef AA, Divakar DD, Muzaheed .	Chemically modified tetracyclines an emerging host modulator in chronic periodontitis patients: A randomized, double-blind, placebo-controlled, clinical trial.	Microb Pathog. 2017 Sep; 110: 279-284. Q2
35	Raed M Al-Sulaiman, Mona H Ismail, Mohammad I Yasawy, Suad A Al-Ateeq, Muzaheed M Abdelrasheed, Anas M Hussameddin, Awatif M Al-Nafie, Amein K Al-Ali,	Association of NOD2/CARD15, DLG5, OCTN1 and Toll-like Receptor 4 Gene Polymorphisms with Inflammatory Bowel Disease: A University Hospital Experience.	Saudi Journal of Medicine & Medical Sciences Vol. 2 Issue 2 May-Aug 2014 81-85. Q4



	Mohammed S Akhtar, Abdulaziz A Al-Quorain.		
36	Muzaheed , Yohei Doi, Jennifer M. Adams-Haduch, Channappa T. Shivannavar, David L. Pater-son and Subhaschandra M.Gaddad.	Fecal Carriage of CTX-M-15 Producing Klebsiella pneumoniae in patients with acute gastroenteritis.	Indian journal of medical research. 129, May 2009, pp 103-106. Q2
37	Muzaheed , Channappa T. Shivannavar and Subhaschandra M.Gaddad.	Incidence of ESβ1 Producing Klebsiella Pneumoniae among Inpatients and outpatients from North-eastern part of Karnataka.	Research and reviews in biosciences. 2008 2:2-6. Q4
38	Muzaheed , Channappa T. Shivannavar and Subhaschandra M.Gaddad.	Incidence of ESBL-producing Klebsiella pneumoniae among diabetic and non-diabetic patients from the North-eastern part of Karnataka	proceedings of 1st International Society Biotechnology conference. 2008- Oral paper-312-315
39	Muzaheed , Yohei Doi, Jennifer M. Adams-Haduch, Andrea Endimiani, Hanna E. Sidjabat, Suash-chandra M. Gaddad, and David L. Paterson.	High prevalence of CTX-M-15-producing Klebsiella pneumoniae among inpatients and outpatients with urinary tract infection in Southern India.	J. Antimicrob. Chemother. 2008 Jun; 61(6):1393-4. Q1

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Ma. Trinidad Abigail; Noor alkhathlan; Omar Elmasry; Azza Nabulsi; Muzaheed Rasheed. Deanship of Scientific Research. IRB-2022-03-489	Respiratory Tract Infection Pattern Amongst Cancer Patients at King Fahd Hospital of the University: Assessment of Risks and Therapeutic Interventions	22/11/2022 Non-funded Ongoing
2	Muzaheed Abdul Rasheed Deanship of Scientific Research. IRB-2022-03-335	Human papillomavirus infection and cervical cancer: A cross-sectional study on female university student's knowledge, awareness, and attitude towards HPV vaccine.	18-09-2022 Non-funded Completed
3	Alzahrani, F. M., Al-Amri, A., Shaikh, S. S., Muzaheed , Acharya, S. Funded by Deanship	Direct DNA Sequencing Based Analysis of Microbiota Associated with Hematological Malignancies	1437/07/23 2,00,000 SAR Completed



	of Scientific Research Application number 2016-429-CAMS.	in Eastern Province of Saudi Arabia.	
4	Acharya, S; Al-Ali Ameen; Muzaheed Abdul Rasheed Funded by Deanship of Scientific Research. Application number 2013-149-Med	Vitamin D receptor gene polymorphism and type 2 diabetes mellitus: a case-control association study for the Arab population of the eastern province of Saudi Arabia	1434/02/18 2,00,000 SAR Completed
5	Acharya, S; Al-Ali Ameen; Muzaheed Abdul Rasheed Funded by Deanship of Scientific Research. Application number 2013-147-Med	Association of TCF7L2 polymorphism and T2DM among the Saudi population of Eastern Province of Saudi Arabia.	1434/02/18 2,00,000 SAR Completed
6	Mohammed Akhtar; Basavaraja Channabasappa Hunasemarada; Muzaheed Abdul Rasheed Funded by Deanship of Scientific Research. Application number 2012-070-Med	Genetic analysis of virulence factors and phylogenetic groups of uropathogens from diabetic patients of the Eastern Province of Saudi Arabia.	1433/02/06 2,00,000 SAR Completed
7	Basavaraja Channabasappa Hunasemarada; Muzaheed Abdul rasheed; Sadananda Acharya Funded by Deanship of Scientific Research. Application number 2012-074-Med.	Molecular characterization of the novel blaNDM-1 gene carriage in E. coli and Klebsiella pneumoniae from stool specimens.	1433/02/06 2,00,000 SAR Completed

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Attended: Questioning Strategies and Leading Discussion in Classroom Deanship of Academic Development, IAU, Saudi Arabia	1445/03/11	
2	Participated: Good clinical practice; NIDA Clinical Coordinating Center Course	Completion Date: 18 February 2021	
3	Participating in the training workshop on "Publishing Your Research" organized by the Deanship of Library Affairs held on 04/01/2017 at Imam Abdulrahman Bin Faisal University		
4	Attended the workshop Entitled "Topic Selection, Definition & Performance Evaluation" Organized by the University of Dammam & Thomson Reuters Strategic Partnership at Imam Abdulrahman Bin Faisal University, Held on 2nd November 2016.		



5	Attended the workshop Entitled “Teaching Professionalism” Organized by the Department of Medical Education” Held on 15-16 February 2016 at the University of Dammam.
6	Attended the workshop Entitled “Avoiding Common Teaching Mistakes- A Discussion” Organized by The Deanship of Education Development at the University of Dammam on 3rd February 2016.
7	Attended the training “Developing Core Competencies in Teaching and Learning in Higher Education” Organized by the Deanship of Academic Development in April 2016
8	Attended the workshop Entitled “Communication Skills” Organized by the Department of Medical Education” Held on 23-24 November 2015 at the University of Dammam.
9	Participated: The National Institute of Health (NIH) Web-based training course “Protecting Human Research Participants” was completed on the 26th of March 2013.
10	Attended “Benefits and hazards of radioactive sources: life cycle of radiation sources” accredited by the Saudi Commission for Health Specialties with accreditation number 25347/2012 at the University of Dammam and awarded 4 CME/PD credit hours on 13-03-2012.
11	Attended “Genetic risk factors and cardiovascular diseases” accredited by the Saudi Commission for health specialties with accreditation number 23963/2012 at the University of Dammam and earned 3 CME/PD credit hours on 17-01-2012.
12	Attended “Induced pluripotent stem cell (iPS) and future therapy” Deanship of Scientific Research held on Saturday, April 23, 2011.
13	Attended 2nd National conference on Biotechnology for industrial and Rural Development (NCBIRD 2008) organized by P. G. dept. of studies and research in biotechnology, Gulbarga University, GULBARGA, from 17th to 19th January 2008.
14	Participated: Poster presentation “National workshop on epidemiological research methods” held from 23rd to 25th November 2006 at Manipal College of Nursing, MAHE, Manipal.
15	Participated: “Antibiotic resistance among Klebsiella pneumoniae from diabetic and non-diabetic patients in Gulbarga region”. Poster presentation in the “National workshop on epidemiological research methods” held from 23rd to 25th November 2006 at Manipal College of Nursing, MAHE, Manipal
16	Participated: “Incidence of Klebsiella pneumoniae in patients with diabetic mellitus in North-eastern part of Karnataka”. Poster presentation in the “Microcon-2006” held from October 26th-29th at government medical college and hospital, Nagpur.
17	Participated: Fermentation technology, 2004 at Madras University (Anna Mala), Chennai.
18	Participated in the “Production of microbial enzymatic detergent for washing of surgical instruments” Poster presentation at the 45th Annual Conference of the Association of Microbiologists of India. Held from November 23rd to 25th, 2004 at the National Dairy Research Institute, Karnal.



19	Attended 42nd Annual Conference on Microbial Biotechnology -Millennium's New Vision, organized by Association of Microbiologists of India and Dept. of Microbiology, Gulbarga University, Gulbarga, 9-11th Nov. 2001.
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Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution
1	Clinical Microbiology	MLT 314	lectures/Tutorials
2	Microbiology and infection control	MICRO-211	lectures/Tutorials
3	Introduction to microbiology	CLS 207	lectures/Tutorials
4	Virology	MLT 323	lectures/Tutorials
5	Diagnostic Microbiology Rotation	MLT 421	lectures/Tutorials
6	Research Project	MLT 424	lectures/Tutorials

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

Clinical Microbiology MLT 314: Clinical Microbiology course is an advanced and comprehensive course that covers most of the infections caused by medically important bacterial species and the lab methods used to diagnose them.

Microbiology and infection control MICRO 211: An introductory course to provide basic knowledge in microbes, the infections caused by them, and infection control.

Introduction to Microbiology CLS 207: This course is designed to enable the student to be familiar with the basic bacteriology concepts including bacterial growth, host-pathogen interaction, sterilization, and antimicrobial susceptibility. It also covers common techniques in microbiology including staining methods, aseptic techniques, bacterial morphology, and identification.

Virology MLT 323: Virology Course discusses the basis of virus classification, replication, pathogenesis, and laboratory diagnosis of infections caused by viruses.

Diagnostic Microbiology Rotation: This course provides the student with breast knowledge of the infectious agents associated with human infections. Also, the laboratory skills and techniques used to isolate and identify these organisms from clinical specimens.

Research Project MLT 424: In this course, faculty members will submit their areas of research, classified into laboratory-based projects, data-based projects, or literature review projects, students will be enrolled in these different project types. The final work is submitted in a Dissertation, Presentation / Poster format according to the regulations of the department and complying with the regulations of IAU on research policy.



Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution
1	Principles of Microbiology	CLS 706	lectures/Tutorials
2	Medical Virology	CLS 709	lectures/Tutorials
2	Master Degree Thesis	CLS 799	lectures/Tutorials

Brief Description of Postgraduate Courses Taught:

1	<u>Principles of Microbiology CLS 706:</u> This course will introduce students to the general principles of microbial structure, classification, physiology, and genetics. Many aspects will be covered in depth such as antimicrobial resistance and laboratory role in infection control.
2	<u>Medical Virology CLS 709:</u> The course aims to provide the students with knowledge and understanding of viruses' classification, diagnosis of viruses associated with infectious diseases, and the laboratory skills required for the diagnosis of viruses' infections from clinical specimens.
3	<u>Advanced Clinical Microbiology CLS 710:</u> This course will introduce students to the focus on the clinical and laboratory diagnoses of infectious diseases at various body sites
4	<u>Master Degree Thesis CLS 799:</u> This course partially fulfills the Requirements for the master of sciences in various specialties.

Course Coordination

#	Course Title/Code	Coordinate	Co-coordinate	Undergrad.	Postgrad.
1	Clinical Microbiology MLT 314	✓	✓	✓	
2	Microbiol and infect cont. MICRO 211	✓		✓	
3	Intro. to microbiology CLS 207		✓	✓	
4	Virology MLT 323		✓	✓	
5	Diag. Microbiology Rota. MLT 421	✓	✓	✓	
6	Research Project MLT 424		✓	✓	
7	Principles of Microbiology CLS 706:		✓		✓
8	Medical Virology CLS 709:	✓	✓		✓



9	Advanced Clinical Microbiology CLS 710:		✓		✓
10	Master Degree Thesis CLS 799:	✓	✓		✓

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	Medical Terminology HIS 111	Basic Medical Sciences	Prince Sultan Military College of Health Sciences, Dammam.	2019-20
2	Advanced Medical Terminology HIM 211	Basic Medical Sciences	Prince Sultan Military College of Health Sciences, Dammam.	2019-20

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	MLT level 8 (Research project)	1	2014	2015
2	MLT level 8 (Research project)	1	2015	2016
3	MLT level 8 (Research project)	2	2016	2017
4	MLT level 8 (Research project)	1	2017	2018
5	MLT level 8 (Research project)	1	2018	2019
6	MLT level 8 (Research project)	1	2019	2020
7	MLT level 8 (Research project)	2	2020	2021
8	MLT level 8 (Research project)	1	2021	2022
9	MLT level 8 (Research project)	1	2022	2023
10	MLT level 8 (Research project)	1	2024	2025

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1.	M. Sc	Student's name: Fadwa Abdutjabar Bernawi. Title: "Molecular Analysis of carbapenem-	Imam Abdulrahman Bin Faisal	2020-2021



	resistant Enterobacteriaceae". Co-supervising Master thesis	University, Dammam	Completed
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Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
1	M. Sc	Student's name: Maryam Hamza Taher Al Nasser 2240500013 "Characterization of Salmonella serotype Enteritidis isolated from patients with diarrheal infections" Co-supervising Master thesis	Imam Abdulrahman Bin Faisal University, Dammam.	2024-2025 Ongoing
2	M. Sc	Student's name: Bayan Title: "Molecular epidemiology of E. coli isolated from clinical specimen". PI Supervising Master thesis	Imam Abdulrahman Bin Faisal University, Dammam,	2021-2022 Ongoing

Administrative Responsibilities, Committee, and Community Service

Administrative Responsibilities

#	From	To	Position	Organization
1	2015	2024	Registrar,	Deanship of Academic Affairs, College of Applied Medical Sciences, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia.
2	2017	2021	Administrator of Examination Unit,	Deanship of Academic Affairs, College of Applied Medical Sciences, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia.

Committee Membership

#	From	To	Position	Organization
1	03-09-1442	Till date	Post Graduate Admission Committee,	Clinical Laboratory Sciences, Department, College of Applied Medical Sciences, Imam



			Dammam, Saudi Arabia.	Abdulrahman Bin Faisal University, Dammam.
2	07-11-2023	Till date	Post Graduate Examination Review Committee	Clinical Laboratory Sciences, Department, College of Applied Medical Sciences, Imam Abdulrahman Bin Faisal University, Dammam.
3	15-02-2015	10-01-2016	Member of NCAAA Accreditation Team (Std. 10 steering committee),	Clinical Laboratory Sciences, Department, College of Applied Medical Sciences, Imam Abdulrahman Bin Faisal University, Dammam.
4	1444-03-12	1445-04-12	Masters Accreditation Committee	Clinical Laboratory Sciences, Department, College of Applied Medical Sciences, Imam Abdulrahman Bin Faisal University, Dammam.

Academic activity

#	Academic activity (Books/Patents/Editorials/Examiner/Collaborations)
1	Patent: Probiotic composition for athletes and method for preparation thereof Application No.202211074067 A the Patent Office Journal No. 52/2022 Dated 30/12/2022
2	Patent: Bacterial Fish pathogen detection device; Design no: 396968-01; Dated 07/10/2023, The patent office, Govt. of India.
3	Book: Bacterial protease: a bio-detergent against surgical instruments, First edition, Copyright Thanuj International Publishers, ISBN: 978-81-952529-4-7
4	Collaboration: University of Pittsburgh: Dr. David Paterson lab, Division of Infectious Diseases, United States of America.
5	Participated in the peer review process in 2019, World Journal of Pediatrics. Date of commitment: 28th June 2019.
6	Participated in the peer review process in the year 2019 for the Pakistan Journal of Medical Sciences. Date of commitment: 23rd May 2019.
7	Participated in the peer review process in 2015 for the International Food Research Journal Date of commitment: 6th July 2015.
8	Internal examiner for Master thesis: "Assessment of new β -lactam/ β -lactamase inhibitors combinations against MDR Pseudomonas aeruginosa isolated from King Fahd Hospital of the University" Submitted by Somayah Mohammad Hassan Al fifi; 1442 H -2020 G
9	Internal examiner for Master thesis: "Prevalence of CTX-M Beta-Lactamase Producing Escherichia coli in Eastern Province of Saudi Arabia" Submitted by Faris Abdullah Alatmah;1439-2018



10	Internal examiner for Master thesis: “Characterization of non-typhoidal Salmonella associated with gastroenteritis in Eastern Province of Saudi Arabia” Submitted by Adham ghalib al. Harbi; 1439-2018
11	Internal examiner for Master thesis: Antibiotic resistance and molecular characterization of diarrheagenic E. coli in patient with gastroenteritis infection in the eastern province of Saudi Arabia. Hessa Alwalan 9th Oct 2023
12	Internal examiner for Master thesis: Molecular characterization and clonal relationship of Vibrio cholerae serovars isolated from clinical and environmental sources in the eastern province of Saudi Arabia. Reema al Laham 20 Dec0 2023

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	1441/03/03	1441/03/05	Trained laboratory technician	Dr. Harish Mhatre laboratory, Shifa AL Khobar Polyclinic, AL Khobar,
2	1439/12/23	1439/12/23	Resource speaker	Annual RC students’ orientation program College of Applied Medical Sciences, IAU University. Dammam.
3	1443/03/15	1445/04/10	Student Research Day: External Poster Evaluation	College of Applied Medical Sciences, IAU University, Dammam.

Personal Key Competencies and Skills:

1	“Diploma in software management” (DISM) Certified by APTECH International School of Computer Education. Expertise with MS Office, Visual Basic, and programming. Project completed on hospital management, India.
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