

# 2023 RESEARCH ACHIEVEMENTS UPDATE



Unveiling DDI's 2023  
Research Achievements!



معهد دسمان للسكري  
Dasman Diabetes Institute



مؤسسة الكويت للتقدم العلمي  
Kuwait Foundation for the Advancement of Sciences

أحد مراكز  
Center

# HIGHLIGHTS OF 2023

**105**

Total  
Research  
Publications

Highest Impact  
Factor

**82.9**

(Nature Medicine)

**Key Journals**

**48%**

(Impact Factor  $\geq 5$ )

**5.05**

Median Impact  
Factor of Total  
Publications

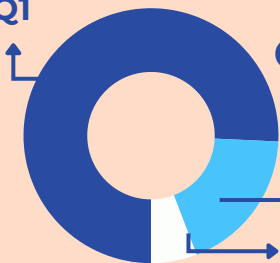
**52%**

Original Research  
Articles of Total  
Publications

**5.00**

Median Impact  
Factor of Original  
Articles

Q1



Journal  
Quartiles

Q2

Q3 or more

**NEW DEPARTMENT**

Translational  
Research Department  
Kicked-Off

Three research articles  
published in 2023

**70**

Abstracts  
Submitted to 35+  
Conferences

**Successful  
Scientific  
Strategy Review  
Meeting**

**43** Posters & E-Posters

**27** Oral Presentations

Scientific Knowledge Transfer  
Journal Clubs &

**51**

Research  
Presentations

# CONGRATULATIONS ON YOUR PUBLICATIONS!



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No.	Title of Publication (Click on the title to access the hyperlink)	Impact Factor	Journal Quartile
1	NCD Risk Factor Collaboration (NCD-RisC)... <b>Alarouj M, Alkandari A</b> , et al. Global variations in diabetes mellitus based on fasting glucose and haemoglobin A1c. <b>Nature Medicine; Nov 2023.</b>	82.9	Q1
2	NCD Risk Factor Collaboration (NCD-RisC) ... <b>Alarouj M, Alkandari A</b> , et al. Diminishing benefits of urban living for children and adolescents' growth and development. <b>Nature; Mar 2023.</b>	64.8	Q1
3	Verma S, Alamuddin N, Alawadi F, <b>Alkandari H</b> , et al. Prevalence of Diabetes and Cardiovascular Risk in the Middle East and Africa: Primary Results of the PACT-MEA Study. <b>Circulation; Mar 2023.</b>	37.8	Q1
4	Julla JB, ... <b>Alzaid F</b> , et al. Blood Monocyte Phenotype Is A Marker of Cardiovascular Risk in Type 2 Diabetes. <b>Circulation Research; Dec 2023.</b>	20.1	Q1
5	Possik E, ... <b>Ahmad R</b> , Parker A, Madiraju SRM, <b>Al-Mulla F</b> , Prentki M. Glycerol 3-phosphate phosphatase/PGPH-2 counters metabolic stress and promotes healthy aging via a glycogen sensing-AMPK-HLH-30-autophagy axis in C. elegans. <b>Nature Communications; Aug 2023.</b>	16.6	Q1
6	Abdelgani S, Khatab A, Adams J, <b>Abu-Farha M</b> , Daniele G, <b>Al-Mulla F</b> , Del Prato S, <b>DeFronzo RA</b> , <b>Abdul-Ghani M</b> . Distinct Mechanisms Responsible for the Increase in Glucose Production and Ketone Formation Caused by Empagliflozin in T2DM Patients. <b>Diabetes Care; Mar 2023.</b>	16.2	Q1
7	Requia WJ, <b>Alahmad B</b> , Koutrakis P. Short-term exposure to sulfur dioxide and daily mortality in Brazil: A nationwide time-series study between 2003-2017. <b>Chemosphere; Sep 2023.</b>	8.8	Q1
8	Requia WJ, <b>Alahmad B</b> , Schwartz JD, Koutrakis P. Association of low and high ambient temperature with mortality for cardiorespiratory diseases in Brazil. <b>Environmental Research; Jun 2023.</b>	8.3	Q1
9	Colonna KJ, <b>Alahmad B</b> , et al. Acute exposure to total and source-specific ambient fine particulate matter and risk of respiratory disease hospitalization in Kuwait. <b>Environmental Research; Sep 2023.</b>	8.3	Q1
10	Forteath C, Mordi I, ... <b>Mohammad A</b> , et al. Amino acid homeostasis is a target of metformin therapy. <b>Molecular Metabolism; Jun 2023.</b>	8.1	Q1
11	Poursharifi P, ... <b>Abu-Farha M</b> , <b>Abubaker J</b> , <b>Al-Mulla F</b> , et al. ABHD6 suppression promotes anti-inflammatory polarization of adipose tissue macrophages via 2-monoacylglycerol/PPAR signaling in obese mice. <b>Molecular Metabolism; Oct 2023.</b>	8.1	Q1

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No.	Title of Publication (Click on the title to access the hyperlink)	Impact Factor	Journal Quartile
12	<b>Abu-Farha M, Alatrach M, Abubaker J, Al-Khairi I, Cherian P, ... Al-Saeed D, Al-Ozairi E, DeFronzo RA, Fahd Al-Mulla, Abdul-Ghani M.</b> Plasma Insulin is Required for the Increase in Plasma ANGPTL8 in Response to Nutrient Ingestion. <i>Diabetes / Metabolism: Research and Reviews; Mar 2023.</i>	8	Q1
13	<b>Al Ozairi E, Alsaeed D, Al Roudhan D, Jalali M, Mashankar A, Taliping D, Abdulla A,</b> Gill JMR, Sattar N, Welsh P, Gray SR. The effect of home-based resistance exercise training in people with type 2 diabetes: A randomized controlled trial. <i>Diabetes/Metabolism Research and Reviews; Jun 2023.</i>	8	Q1
14	Awaidy SA, Ghazy R, <b>Mahomed O.</b> Progress of the Gulf Cooperation Council (GCC) Countries Towards Achieving the 95-95-95 UNAIDS Targets: A Review. <i>Journal of Epidemiology and Global Health; Apr 2023.</i>	7.3	Q1
15	<b>Bader Alabdulaali, Fatema Al-rashed, Mohammed Al-Onaizi, Anwar Kandari,</b> Joanna Razafiarison, Dorothy Tonui, <b>Michayla R. Williams,</b> Camille Ble ´riot, <b>Rasheed Ahmad and Fawaz Alzaid.</b> Macrophages and the development and progression of non-alcoholic fatty liver disease. <i>Frontiers in Immunology; Jun 2023.</i>	7.3	Q1
16	<b>Al-Mulla F, Alhomaidah D, Abu-Farha M, Hasan A, Al-Khairi I, Nizam R, Alqabandi R, Alkandari H, Abubaker J.</b> Early autoantibody screening for type 1 diabetes: a Kuwaiti perspective on the advantages of multiplexing chemiluminescent assays. <i>Frontiers in Immunology; Nov 2023.</i>	7.3	Q1
17	<b>Dashti M, Nizam R, Jacob S, Al-Kandari H, Al Ozairi E, Thanaraj TA, Al-Mulla F.</b> Association between alleles, haplotypes, and amino acid variations in HLA class II genes and type 1 diabetes in Kuwaiti children. <i>Frontiers in Immunology; Aug 2023.</i>	7.3	Q1
18	<b>Al-Ozairi E, Irshad M, Taghadom E, Sojan L, Al Kandari J, Alroudhan D,</b> le Roux CW. Glucagon-like peptide-1 agonists combined with sodium-glucose cotransporter-2 inhibitors reduce weight in type 1 diabetes. <i>Obesity; Mar 2023.</i>	6.9	Q1
19	<b>Alahmad B,</b> Khraisha H, Althalji K, Borchert W, <b>Al-Mulla F,</b> Koutrakis P. Connections Between Air Pollution, Climate Change & Cardiovascular Health. <i>Canadian Journal of Cardiology; Apr 2023.</i>	6.2	Q1
20	<b>Abu-Farha M, Madhu D, Hebbar P, Mohammad A, Channanath A, Kavalakatt S, Alam-Eldin N,</b> Alterki F, Taher I, Alsmadi O, Shehab M, <b>Arefanian H, Ahmad R, Thanaraj TA, Al-Mulla F, Abubaker J.</b> The Proinflammatory Role of ANGPTL8 R59W Variant in Modulating Inflammation through NF-κB Signaling Pathway under TNFα Stimulation. <i>Cells; Nov 2023.</i>	6	Q1
21	<b>Al Madhoun A, Koti L,</b> Carrió N, Atari M, <b>Al-Mulla F.</b> Clinical Application of Umbilical Cord Mesenchymal Stem Cells Preserves β-cells in Type 1 Diabetes. <i>Stem Cells Translational Medicine; Nov 2023.</i>	6	Q1

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22	<b>Marafie SK, Al-Mulla F.</b> An Overview of the Role of Furin in Type 2 Diabetes. <i>Cells; Oct 2023.</i>	6	Q1
23	<b>Al Madhoun A, Kochumon S, Haddad D, Thomas R, Nizam R, Miranda L, Sindhu S, Bitar MS, Ahmad R, Al-Mulla F.</b> Adipose Tissue Caveolin-1 Upregulation in Obesity Involves TNF- $\alpha$ /NF- $\kappa$ B Mediated Signaling. <i>Cells; Mar 2023.</i>	6	Q1
24	<b>Sindhu S, Ahmad R.</b> Metabolic Inflammation and Cellular Immunity. <i>Cells; Jun 2023.</i>	6	Q1
25	Alhammad R, <b>Abu-Farha M</b> , Rahman A, <b>Thanaraj TA</b> , Shaban L, Alsabah R, <b>Hamad S, Hammad MM, Channanath A, Al-Mulla F, Abubaker J.</b> LRG1 Associates with Iron Deficiency Anemia Markers in Adolescents. <i>Nutrients; Jul 2023.</i>	5.9	Q1
26	<b>Alhamar G</b> , Briganti S, Maggi D, et al. Pre-vaccination glucose time in range correlates with antibody response to SARS-CoV-2 vaccine in type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism; Jan 2023.</i>	5.8	Q1
27	Verma S, Sabbour H, ... <b>Alkandari H</b> , et al. A cross-sectional study of the prevalence and clinical management of atherosclerotic cardiovascular diseases in patients with type 2 diabetes across the Middle East and Africa (PACT-MEA): Study design and rationale. <i>Diabetes, Obesity &amp; Metabolism; Feb 2023.</i>	5.8	Q1
28	<b>Fatema Al-Rashed, Dania Haddad, Ashraf Al Madhoun, Sardar Sindhu, Taxy Jacob, Shihab Kochumon, Lina M. Obeid, Fahd Al-Mulla, Yusuf A. Hannun, Rasheed Ahmad.</b> ACSL1 is a key regulator of inflammatory and macrophage foaming induced by short-term palmitate exposure or acute high-fat feeding. <i>iScience; Jun 2023.</i>	5.8	Q1
29	<b>Arefanian H, Koti L, Sindhu S, Ahmad R, Al Madhoun A, Al-Mulla F.</b> Verapamil chronicles: advances from cardiovascular to pancreatic $\beta$ -cell protection. <i>Frontiers in Pharmacology; Nov 2023.</i>	5.6	Q1
30	Akhter N, Wilson A, Arefanian H, Thomas R, Kochumon S, Al-Rashed F, Abu-Farha M, <b>Al-Madhoun A, Al-Mulla F, Ahmad R, Sindhu S.</b> Endoplasmic Reticulum Stress Promotes the Expression of TNF- $\alpha$ in THP-1 Cells by Mechanisms Involving ROS/CHOP/HIF-1 $\alpha$ and MAPK/NF- $\kappa$ B Pathways. <i>International Journal of Molecular Sciences; Oct 2023.</i>	5.6	Q1
31	AlMajed HT, <b>Abu-Farha M, Alshawaf E, Devarajan S</b> , Alsairafi Z, Elhelaly A, <b>Cherian P, Al-Khairi I, Ali H, Jose RM, Thanaraj TA, Al-Ozairi E, Al-Mulla F, Al Attar A, Abubaker J.</b> Increased Levels of Circulating IGFBP4 and ANGPTL8 with a Prospective Role in Diabetic Nephropathy. <i>International Journal of Molecular Sciences; Sep 2023.</i>	5.6	Q1

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No.	Title of Publication (Click on the title to access the hyperlink)	Impact Factor	Journal Quartile
32	Behbehani JM, <b>Irshad M</b> , Shreaz S, Karched M. Anticandidal Activity of Capsaicin and Its Effect on Ergosterol Biosynthesis and Membrane Integrity of Candida albicans. <i>International Journal of Molecular Sciences</i> ; Jan 2023.	5.6	Q1
33	Alrashed F, Abdullah I, Alfadhli A, <b>Shehab M</b> . Effectiveness of vedolizumab and ustekinumab as second biologic agent in achieving target outcomes in tumor necrosis factor antagonists experienced patients with inflammatory bowel disease (enroll-ex study). <i>Frontiers in Pharmacology</i> ; Oct 2023.	5.6	Q1
34	<b>Alterki A, Abu-Farha M, Al Shawaf E, Al-Mulla F, Abubaker J</b> . Investigating the Relationship between Obstructive Sleep Apnoea, Inflammation and Cardio-Metabolic Diseases. <i>International Journal of Molecular Sciences</i> ; Apr 2023.	5.6	Q1
35	Abrar M. Sayaf, Saif Ullah Khalid, ... <b>Anwar Mohammad</b> , et al. Exploring the natural products chemical space through molecular search to discover potential inhibitors to target Hypoxia Inducible Factor (HIF) Prolyl Hydroxylase Domain (PHD). <i>Frontiers in Pharmacology</i> ; Jun 2023.	5.6	Q1
36	Drobiova H, <b>Sindhu S, Ahmad R, Haddad D, Al-Mulla F, Al Madhoun A</b> . Wharton's jelly mesenchymal stem cells: a concise review of their secretome and prospective clinical applications. <i>Frontiers in Cell and Developmental Biology</i> ; Jun 2023.	5.5	Q1
37	<b>Abu-Farha M</b> , Iizuka K, Yabe D, <b>Al-Mulla F, Abubaker J</b> . Editorial: Advances in the research of diabetic nephropathy. <i>Frontiers in Endocrinology</i> ; Jan 2023.	5.2	Q1
38	Badacho AS, <b>Mahomed OH</b> . Facilitators and barriers to integration of noncommunicable diseases with HIV care at primary health care in Ethiopia: a qualitative analysis using CFIR. <i>Frontiers in Public Health</i> ; Dec 2023.	5.2	Q1
39	<b>Hammad MM, Channanath AM, Abu-Farha M, Rahman A, Al Khairi I, Cherian P, Alramah T, Alam-Eldin N, Al-Mulla F, Thanaraj TA, Abubaker J</b> . Adolescent obesity and ANGPTL8: correlations with high sensitivity C-reactive protein, leptin, and chemerin. <i>Frontiers in Endocrinology</i> ; Dec 2023.	5.2	Q1
40	Rahman A, <b>Abu-Farha M, Channanath A, Hammad MM, Anoop E, Chandy B, Melhem M, Al-Mulla F, Thanaraj TA, Abubaker J</b> . Single nucleotide polymorphisms in vitamin D binding protein and 25-hydroxylase genes affect vitamin D levels in adolescents of Arab ethnicity in Kuwait. <i>Frontiers in Endocrinology</i> ; Oct 2023.	5.2	Q1
41	<b>Hammad MM, Abu-Farha M, Hebbar P, Anoop E, Chandy B, Melhem M, Channanath A, Al-Mulla F, Thanaraj TA, Abubaker J</b> . The miR-668 binding site variant rs1046322 on WFS1 is associated with obesity in Southeast Asians. <i>Frontiers in Endocrinology</i> ; Oct 2023.	5.2	Q1

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42	Figy C, Guo A, ... <b>Al-Mulla F</b> , et al. Changes in Expression of Tumor Suppressor Gene RKIP Impact How Cancers Interact with Their Complex Environment. <i>Cancers; Feb 2023.</i>	5.2	Q1
43	<b>Ali H, Abu-Farha M</b> , Hofmann S. Editorial: COVID-19 and diabetes, volume II. <i>Frontiers in Endocrinology; Jan 2023.</i>	5.2	Q1
44	<b>Al-Ozairi E, Irshad M, Taghadom E, Varghese A, Sojan L, Alkandari J</b> . Effect of COVID-19 vaccine on blood glucose metrics in Arabic people with type 1 diabetes. <i>Frontiers in Endocrinology; Mar 2023.</i>	5.2	Q1
45	<b>Alsaeed D, Al-Ozairi A, Alsarraf H</b> , Albarrak F, <b>Al-Ozairi E</b> . Are we ready for the next pandemic? Lessons learned from healthcare professionals' perspectives during the COVID-19 pandemic. <i>Frontiers in Public Health; Mar 2023.</i>	5.2	Q1
46	<b>Al-Reshed F, Sindhu S, Al Madhoun A, Bahman F, AlSaeed H, Akhter N, Malik MZ, Alzaid F, Al-Mulla F, Ahmad R</b> . Low carbohydrate intake correlates with trends of insulin resistance and metabolic acidosis in healthy lean individuals. <i>Frontiers in Public Health; Mar 2023.</i>	5.2	Q1
47	Iizuka K, Yabe D, <b>Abu-Farha M, Abubaker J, Al-Mulla F</b> . Editorial: Advances in the research of diabetic nephropathy, volume II. <i>Front Endocrinology; Jan 2023.</i>	5.2	Q1
48	Chobot A, Lanzinger S, <b>Alkandari H</b> , et al. Diabetes care practices and outcomes in 40.000 children and adolescents with type 1 diabetes from the SWEET registry during the COVID-19 pandemic. <i>Diabetes Res and Clinical Practice; Jun 2023.</i>	5.1	Q1
49	Akash MSH, ... <b>Al-Rashed F, Al-Mulla F, Ahmad R, Sindhu S</b> . Metabolomics: a promising tool for deciphering metabolic impairment in heavy metal toxicities. <i>Frontiers in Molecular Biosciences; Jul 2023.</i>	5	Q1
50	Fumeron F, Velho G, <b>Alzaid F</b> , et al. Genetic variants of interferon-response factor 5 are associated with the incidence of chronic kidney disease: the D.E.S.I.R. study. <i>Genes and Immunity; Nov 2023.</i>	5	Q2
51	Kueh MTW, Chew NWS, <b>Al-Ozairi E</b> , le Roux CW. The emergence of obesity in type 1 diabetes. <i>International Journal of Obesity; Dec 2023.</i>	4.9	Q1
52	<b>Alahmad B</b> , et al. Extreme heat and work injuries in Kuwait's hot summers. <i>Occupational and Environmental Medicine; Apr 2023.</i>	4.9	Q1
53	<b>Marafie SK, Alshawaf E, Abu-Farha M, Thanaraj TA</b> , Wei DQ, <b>Al-Mulla F</b> , Khan A, <b>Abubaker J, Mohammad A</b> . Exploring the Binding Mechanism of NRG1-ERBB3 Complex and Discovery of Potent Natural Products to Reduce Diabetes-Assisted Breast Cancer Progression. <i>Interdisciplinary Sciences: Computational Life Sciences; Jun 2023.</i>	4.8	Q1

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No.	Title of Publication (Click on the title to access the hyperlink)	Impact Factor	Journal Quartile
54	Lamb KE, <b>Daniel M</b> , et al. Socioeconomic differences in associations between living in a 20-min neighbourhood and diet, physical activity and self-rated health: Cross-sectional findings from ProjectPLAN. <b>Health and Place; Sep 2023.</b>	4.8	Q1
55	Kumar R, <b>Malik MZ, Thanaraj TA</b> , et al. A computational biology approach to identify potential protein biomarkers and drug targets for sporadic amyotrophic lateral sclerosis. <b>Cellular Signalling; Nov 2023.</b>	4.8	Q2
56	Nagarajah S, <b>Alkandari A</b> , Marques-Vidal P. Genetic risk scores: are they important for diabetes management? results from multiple cross-sectional studies. <b>Diabetology &amp; Metabolic Syndrome; Nov 2023.</b>	4.8	Q1
57	<b>Malik MZ, Dashti M</b> , Fatima Y, <b>Channanath A, John SE</b> , Singh RKB, <b>Al-Mulla F, Thanaraj TA</b> . Disruption in the regulation of casein kinase 2 in circadian rhythm leads to pathological states: cancer, diabetes and neurodegenerative disorders. <b>Frontiers in Molecular Neuroscience; Jul 2023.</b>	4.8	Q1
58	<b>Mohammad A, Alshawaf E, Arefanian H, Marafie SK</b> , Khan A, Wei DQ, <b>Al-Mulla F, Abubaker J</b> . Targeting SARS-CoV-2 Macrodomein-1 to Restore the Innate Immune Response Using In Silico Screening of Medicinal Compounds and Free Energy Calculation Approaches. <b>Viruses; Sep 2023.</b>	4.7	Q1
59	Al Ozairi A, <b>Alsaeed D, Al-Ozairi E, Irshad M</b> , et al. Effectiveness of virtual mindfulness-based interventions on perceived anxiety and depression of physicians during the COVID-19 pandemic: A pre-post experimental study. <b>Frontiers in Psychiatry; Jan 2023.</b>	4.7	Q1
60	<b>Al-Roub A, Akhter N, Al-Rashed F, Wilson A, Alzaid F, Al-Mulla F, Sindhu S, Ahmad R</b> . TNF $\alpha$ induces matrix metalloproteinase-9 expression in monocytic cells through ACSL1/JNK/ERK/NF-kB signaling pathways. <b>Scientific Rep; Sep 2023.</b>	4.6	Q1
61	<b>Hebbar P, Nizam R, John SE, Antony D, Dashti M, Channanath A, Shaltout A, Al-Khandari H</b> , Koistinen HA, Tuomilehto J, Alsmadi O, <b>Thanaraj TA, Al-Mulla F</b> . Linkage analysis using whole exome sequencing data implicates SLC17A1, SLC17A3, TATDN2 and TMEM131L in type 1 diabetes in Kuwaiti families. <b>Scientific Reports; Sep 2023.</b>	4.6	Q1
62	Jacquemier P, ... <b>Alzaid F</b> , et al. New ex vivo method to objectively assess insulin spatial subcutaneous dispersion through time during pump basal-rate based administration. <b>Scientific Reports; Nov 2023.</b>	4.6	Q1
63	<b>Bahman F, AlSaeed H, Albeloushi S, Al-Mulla F, Ahmad R, Al-Rashed F</b> . The role of TLR2 in exercise-induced immunomodulation in normal weight individuals. <b>Scientific Reports; Jun 2023.</b>	4.6	Q1



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64	<b>Alahmad B</b> , Li J, Achilleos S, <b>Al-Mulla F</b> , Al-Hemoud A, Koutrakis P. Burden of fine air pollution on mortality in the desert climate of Kuwait. <i>Journal of Exposure Science and Environmental Epidemiology</i> ; Jun 2023.	4.5	Q1
65	Lin J, ... <b>Mohammad A</b> , et al. Structural plasticity of omicron BA.5 and BA.2.75 for enhanced ACE-dependent entry into cells. <i>Journal of Biomolecular Structure and Dynamics</i> ; Nov 2023.	4.4	Q3
66	Bahbahani H, Al-Zoubi S, Ali F, Afana A, <b>Dashti M</b> , et al. Signatures of purifying selection and site-specific positive selection on the mitochondrial DNA of dromedary camels ( <i>Camelus dromedarius</i> ). <i>Mitochondrion</i> ; Jan 2023.	4.4	Q1
67	Wang J, ... <b>Mohammad A</b> , et al. Structural communication fingerprinting and dynamic investigation of RBD-hACE2 complex from BA.1 × AY.4 recombinant variant (Deltacron) of SARS-CoV-2 to decipher the structural basis for enhanced transmission. <i>Journal of Biomolecular Structure and Dynamics</i> ; Sep 2023.	4.4	Q3
68	<b>Abu-Farha M</b> , Joseph S, <b>Mohammad A</b> , Channanath A, Taher I, <b>Al-Mulla F</b> , Mujammami M, <b>Thanaraj TA</b> , <b>Abubaker J</b> , Abdel Rahman AM. Targeted Metabolomics Analysis of Individuals Carrying the ANGPTL8 R59W Variant. <i>Metabolites</i> ; Aug 2023.	4.1	Q2
69	<b>Al-Sayyar A</b> , <b>Hammad MM</b> , <b>Williams MR</b> , <b>Al-Onaizi M</b> , <b>Abubaker J</b> , <b>Alzaid F</b> . Neurotransmitters in Type 2 Diabetes and the Control of Systemic and Central Energy Balance. <i>Metabolites</i> ; Mar 2023.	4.1	Q1
70	<b>Alkandari A</b> , Vaucher J, Marques-Vidal P. Trends in glycemic, blood pressure, and lipid control in adults with diabetes in Switzerland: the CoLaus PsyCoLaus Study. <i>BMJ Open Diabetes Research and Care</i> ; May 2023.	4.1	Q1
71	<b>Mohammad A</b> , et al. Anthropometric and DXA-derived measures of body composition in relation to pre-diabetes among adults. <i>BMJ Open Diabetes Research and Care</i> ; Oct 2023.	4.1	Q1
72	Khan A, ..., <b>Mohammad A</b> , Waheed Y, Wei DQ. Exploring the medicinal potential of Dark Chemical Matters (DCM) to design promising inhibitors for PLpro of SARS-CoV-2 using molecular screening and simulation approaches. <i>Saudi Pharmaceutical Journal</i> ; Oct 2023.	4.1	Q2
73	Shirzadi Z, Rabin J, Launer LJ, Bryan RN, <b>Al-Ozairi A</b> , Chhatwal J, <b>Al-Ozairi E</b> , et al. Metabolic and Vascular Risk Factor Variability Over 25 Years Relates to Midlife Brain Volume and Cognition. <i>Journal of Alzheimer's Disease</i> ; Jan 2023.	4	Q1

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74	Gabriel R, Boukichou-Abdelkader N, ... <b>Alkandari A</b> , et al. Reduction in the Risk of Peripheral Neuropathy and Lower Decrease in Kidney Function with Metformin, Linagliptin or Their Fixed-Dose Combination Compared to Placebo in Prediabetes: A Randomized Controlled Trial. <i>Journal of Clinical Medicine</i> ; Mar 2023.	3.9	Q1
75	<b>Alqaderi H</b> , Abdullah A, Finkelman M, <b>Abufarha M</b> , <b>Devarajan S</b> , <b>Abubaker J</b> , Ramesh N, Tavares M, <b>Al-Mulla F</b> , Bin-Hasan S. The relationship between sleep and salivary and serum inflammatory biomarkers in adolescents. <i>Frontiers in Medicine</i> ; May 2023.	3.9	Q1
76	<b>Ali H</b> , Pinto E Vairo F, AlSahow A, <b>Abu-Farha M</b> . Editorial: Advances in chronic kidney disease diagnosis and therapy. <i>Frontiers in Medicine</i> ; May 2023.	3.9	Q1
77	<b>Dashti M</b> , <b>Nizam R</b> , <b>John SE</b> , <b>Melhem M</b> , <b>Channanath A</b> , <b>Alkandari H</b> , <b>Thanaraj TA</b> , <b>Al-Mulla F</b> . ONECUT1 variants beyond type 1 and type 2 diabetes: exploring clinical diversity and epigenetic associations in Arab cohorts. <i>Frontiers in Genetics</i> ; Oct 2023.	3.7	Q2
78	<b>Shiju R</b> , <b>Thankachan S</b> , <b>Akhil A</b> , <b>Sharma P</b> , <b>Bennakhi A</b> . A Survey Study on Knowledge and Attitude Toward the Ethics Committee and Research Ethical Practices Among Researchers From Kuwait. <i>Sci and Engineering Ethics</i> ; Oct 2023.	3.7	Q1
79	Sejie GA, <b>Mahomed OH</b> . Potential facilitators and inhibitors to the implementation and sustainability of the community-based tuberculosis care interventions. A case study from Moshupa, Botswana. <i>PLoS One</i> ; Aug 2023.	3.7	Q1
80	Sejie GA, <b>Mahomed OH</b> . Mapping the effectiveness of the community tuberculosis care programs: a systematic review. <i>Systematic Reviews</i> ; Aug 2023.	3.7	Q1
81	Singh S, <b>Mahomed O</b> . Nature and type of patient-reported safety incidents at a tertiary hospital in South Africa during the COVID-19 period (2018-2021)- A retrospective review. <i>PLoS One</i> ; Nov 2023.	3.7	Q1
82	Aldukhail S, Shukla A, ... <b>Alqaderi H</b> . Oral and emotional health experience of refugees' in the state of Massachusetts - A mixed methods approach. <i>PLoS One</i> ; Mar 2023.	3.7	Q1
83	Badacho AS, <b>Mahomed OH</b> . Prevalence of hypertension and diabetes and associated risk factors among people living with human immunodeficiency virus in Southern Ethiopia. <i>Frontiers in Cardiovascular Medicine</i> ; Sep 2023.	3.6	Q1
84	Vijh D, Imam MA, Haque MMU, Das S, Islam A, <b>Malik MZ</b> . Network pharmacology and bioinformatics approach reveals the therapeutic mechanism of action of curcumin in Alzheimer disease. <i>Metabolic Brain Disease</i> ; Jan 2023.	3.6	Q2

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No.	Title of Publication (Click on the title to access the hyperlink)	Impact Factor	Journal Quartile
85	Al Awaidy S, ... <b>Mahomed O.</b> Elimination of Mother-to-Child Transmission of Hepatitis B Virus in Gulf Cooperation Council Countries: Current Status and Future Prospects. <i>American Journal of Tropical Medicine and Hygiene</i> ; Sep 2023.	3.3	Q2
86	<b>Al-Ozairi A, Taghadom E, Irshad M, Al-Ozairi E.</b> Association Between Depression, Diabetes Self-Care Activity and Glycemic Control in an Arab Population with Type 2 Diabetes. <i>Diabetes, Metabolic Syndrome and Obesity</i> ; Feb 2023.	3.3	Q2
87	Altabtabaei R, <b>Alhuwail D.</b> Exploring the Challenges and Opportunities of Adopting and Using Telemedicine for Diabetes Care and Management: Qualitative Semistructured Interview Study Among Health Care Providers and Patients With Diabetes. <i>Human Factors</i> ; Sep 2023.	3.3	Q1
88	Al-Sabah S, Jamal MH, Al-Khaledi G, Dsouza C, ALOtaibi FA, Al-Ali W, <b>Cherian P, Al-Khairi I, Ali H, Abu-Farha M, Abubaker J, Al-Mulla F.</b> Increased Glucagon Immunoreactivity in a Rat Model of Diet-induced Obesity following Sleeve Gastrectomy. <i>Medical Principles and Practice</i> ; Aug 2023.	3.2	Q2
89	Singh P, ... <b>Malik MZ</b> , et al. Comprehensive multiomics and in silico approach uncovers prognostic, immunological, and therapeutic roles of ANLN in lung adenocarcinoma. <i>Funct Integr Genomics</i> . 2023 Jul 6;23(3):223. doi: 10.1007/s10142-023-01144-7. Erratum in: <i>Functional and Integrative Genomics</i> ; Jul 2023.	2.9	Q2
90	Khan MJ, ... <b>Malik MZ</b> , et al. Investigating the link between miR-34a-5p and TLR6 signaling in sepsis-induced ARDS. <i>3 Biotech</i> ; Aug 2023.	2.8	Q2
91	Ayed M, Alsaffar Z, ... <b>Alkandari H.</b> Coronavirus Infection in Neonates: Neurodevelopmental Outcomes at 18 Months of Age. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> ; Jan 2023.	2.8	Q3
92	Desai Y, Khraishah H, <b>Alahmad B.</b> Heat and the Heart. <i>The Yale Journal of Biology and Medicine</i> ; Jun 2023.	2.7	N/A
93	Haider MZ, Al Rushood M, ... <b>Al-Kandari H.</b> Association of interleukin-4, interleukin-13 gene polymorphisms, HLA-DQ and DR genotypes with genetic susceptibility of type-1 Diabetes Mellitus in Kuwaiti children. <i>Frontiers in Pediatrics</i> ; Apr 2023.	2.6	Q1
94	Salod Z, <b>Mahomed O.</b> VPAgs-Dataset4ML: A Dataset to Predict Viral Protective Antigens for Machine Learning-Based Reverse Vaccinology. <i>Data</i> ; Feb 2023.	2.6	Q2

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No.	Title of Publication (Click on the title to access the hyperlink)	Impact Factor	Journal Quartile
95	Leentjens M, Bosschieter PFN, <b>Al-Terki A</b> , de Raaff CAL, de Vries CEE, <b>Hammad M</b> , <b>Thanaraj TA</b> , <b>Al-Khairi I</b> , <b>Cherian P</b> , <b>Channanath A</b> , <b>Abu-Farha M</b> , de Vries N, <b>Abubaker J</b> . The association between biomarker angiopoietin-like protein five and obstructive sleep apnea in patients undergoing bariatric surgery. <b><i>Sleep and Breathing; Aug 2023.</i></b>	2.5	Q1
96	Mahmoud T, Yagan J, <b>Hasan A</b> , et al. Sodium-glucose co-transporter 2 inhibitors & glucagon-like peptide-1 receptor agonists, efficacy & safety in diabetic kidney transplant recipients. <b><i>Clinical Transplantation; Sep 2023.</i></b>	2.1	Q1
97	Ross E, <b>Al Ozairi E</b> , <b>Al Qabandi N</b> , Jamison R. Optimizing an mHealth Program to Promote Type 2 Diabetes Prevention in High-Risk Individuals: Cross-Sectional Questionnaire Study. <b><i>JMIR Formative Research; Oct 2023.</i></b>	N/A	Q3
98	Badacho AS, <b>Mahomed OH</b> . Sustainability of integrated hypertension and diabetes with HIV care for people living with HIV at primary health care in South Ethiopia: implication for integration. <b><i>BMC Primary Care; Nov 2023.</i></b>	N/A	Q1
99	Gabalape AS, <b>Mahomed OH</b> . A comparative analysis of the profile and treatment outcomes of tuberculosis patients managed at the community and primary health care facilities in Botswana. <b><i>Journal of Clinical Tuberculosis and Other Mycobacterial Diseases; Sep 2023.</i></b>	N/A	Q2
100	Babiker A, ... <b>Al-Kandari H</b> , et al. Lessons Learned From COVID-19 Lockdown: An ASPED/MENA Study on Lifestyle Changes and Quality of Life During Ramadan Fasting in Children and Adolescents Living With Type 1 Diabetes. <b><i>Clinical Medicine Insights: Endocrinology and Diabetes; Oct 2023.</i></b>	N/A	Q2
101	<b>Al Ozairi E</b> , <b>ElSamad A</b> , <b>Al Kandari J</b> , <b>Hamdan Y</b> , <b>Taliping D</b> , Gray SR. The effect of timing of remotely supervised exercise on glucose control in people with type 1 diabetes during Ramadan: A randomised crossover study. <b><i>Diabetes &amp; Metabolic Syndrome: Clinical Research &amp; Reviews; Aug 2023.</i></b>	N/A	Q1
102	Alawady A, ... <b>Alqaderi H</b> . Association between sleep duration and dental caries in a nationally representative U.S. population. <b><i>BMC Oral Health; Jul 2023.</i></b>	N/A	Q1
103	Craig, HC, <b>Alsaeed, D</b> , Norris, S, et al. Patient perspectives about treatment preferences for obesity with complications. <b><i>Obesity Sci and Practice; Oct 2023.</i></b>	N/A	Q2
104	Gupta J, <b>Malik MZ</b> , et al. SARS CoV-2 spike protein variants exploit DC-SIGN/DC-SIGNR receptor for evolution and severity: an in-silico insight. <b><i>VirusDisease; May 2023.</i></b>	N/A	Q1
105	<b>Alahmad B</b> , et al. In-Depth Ethical Analysis of the COVID-19 Vaccine Rollout for Migrant Workers in the Gulf Countries. <b><i>International Journal of Social Determinants of Health and Health Services; May 2023.</i></b>	N/A	N/A