

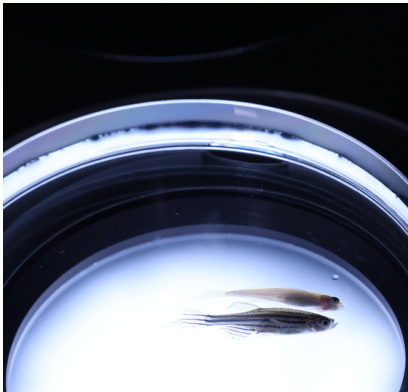
DASMAN DIABETES INSTITUTE



معهد دسمان للسكري
Dasman Diabetes Institute



مركز
Center



2023 Q1 + Q2 RESEARCH ACHIEVEMENTS UPDATE



2023 Q1 & Q2 HIGHLIGHTS

48

Total
Research
Publications

Highest Impact
Factor

64.8
(Nature)

Key Journals

65%

(Impact Factor ≥ 5)

5.2

Median Impact
Factor of Total
Publications

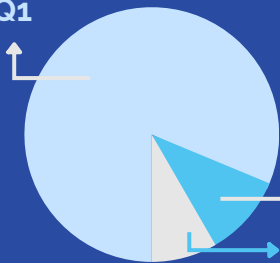
50%

Original Research
Articles of Total
Publications

5.15

Median Impact
Factor of Original
Articles

Q1



Journal
Quartiles

Q2

Q3 or more

NEW PATENT GRANTED!

"Method for Preventing
Progression to Type 2
Diabetes"

Inventor: Dr. Amal Hassan,
Immunology & Microbiology.

30+ Abstracts &
Conferences

NEW CONSORTIUM

PACT-MEA

(Prevalence of Atherosclerotic
Cardiovascular Diseases in Patients
with Type 2 Diabetes Across the
Middle East and Africa)

13

American
Diabetes
Association
Abstracts

11

Posters

2

Oral
Presentations

Hosted the Second Kuwait-Dutch
Obstructive Sleep
Apnea (OSA) Symposium:
Precision Identification of
People with OSA

CONGRATULATIONS

ON THE FOLLOWING PUBLICATIONS!



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Kuwait Foundation for the Advancement of Sciences

No.	Title of Publication (Click on the title to access the hyperlink)	Impact Factor	Journal Quartile
1	NCD Risk Factor Collaboration (NCD-RisC) ... Alarouj M, Alkandari A , et al. Diminishing benefits of urban living for children and adolescents' growth and development. <i>Nature; Mar 2023.</i>	64.8	Q1
2	Verma S, Alamuddin N, Alawadi F, Alkandari H , et al. Prevalence of Diabetes and Cardiovascular Risk in the Middle East and Africa: Primary Results of the PACT-MEA Study. <i>Circulation; Mar 2023.</i>	37.8	Q1
3	Abdelgani S, Khatab A, Adams J, Abu-Farha M , Daniele G, Al-Mulla F , Del Prato S, DeFronzo RA, Abdul-Ghani M . Distinct Mechanisms Responsible for the Increase in Glucose Production and Ketone Formation Caused by Empagliflozin in T2DM Patients. <i>Diabetes Care; Mar 2023.</i>	16.2	Q1
4	Requia WJ, Alahmad B , Schwartz JD, Koutrakis P. Association of low and high ambient temperature with mortality for cardiorespiratory diseases in Brazil. <i>Environmental Research; Jun 2023.</i>	8.3	Q1
5	Forteath C, Mordi I, ... Mohammad A , et al. Amino acid homeostasis is a target of metformin therapy. <i>Molecular Metabolism; Jun 2023.</i>	8.1	Q1
6	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 . 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
7	Al Ozairi E, Alsaeed D, Al Roudhan D, Jalali M, Mashankar A, Taliping D, Abdulla A , 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
8	Awaidy SA, Ghazy R, Mahomed O . 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
9	Bader Alabdulaali, Fatema Al-rashed, Mohammed Al-Onaizi, Anwar Kandari , Joanna Razafiarison, Dorothy Tonui, Michayla R. Williams , Camille Ble ´riot, Rasheed Ahmad and Fawaz Alzaid . Macrophages and the development and progression of non-alcoholic fatty liver disease. <i>Frontiers in Immunology; Jun 2023.</i>	7.3	Q1
10	Al-Ozairi E, Irshad M, Taghadom E, Sojan L, Al Kandari J, Alroudhan D , 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

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11	Alahmad B , Khraisha H, Althalji K, Borchert W, Al-Mulla F , Koutrakis P. Connections Between Air Pollution, Climate Change & Cardiovascular Health. <i>Canadian Journal of Cardiology</i> ; Apr 2023.	6.2	Q1
12	Al Madhoun A , Kochumon S, Haddad D, Thomas R, Nizam R, Miranda L, Sindhu S, Bitar MS, Ahmad R, Al-Mulla F . Adipose Tissue Caveolin-1 Upregulation in Obesity Involves TNF- α /NF- κ B Mediated Signaling. <i>Cells</i> ; Mar 2023.	6	Q1
13	Sindhu S , Ahmad R. Metabolic Inflammation and Cellular Immunity. <i>Cells</i> ; Jun 2023.	6	Q1
14	Alhamar G , 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</i> ; Jan 2023.	5.8	Q1
15	Verma S, Sabbour H, ... Alkandari H , 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 & Metabolism</i> ; Feb 2023.	5.8	Q1
16	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. ACSL1 is a key regulator of inflammatory and macrophage foaming induced by short-term palmitate exposure or acute high-fat feeding. <i>iScience</i> ; Jun 2023.	5.8	Q1
17	Behbehani JM, Irshad M , 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
18	Alterki A , Abu-Farha M, Al Shawaf E, Al-Mulla F , Abubaker J. Investigating the Relationship between Obstructive Sleep Apnoea, Inflammation and Cardio-Metabolic Diseases. <i>International Journal of Molecular Sciences</i> ; Apr 2023.	5.6	Q1
19	Abrar M. Sayaf, Saif Ullah Khalid, ... Anwar Mohammad , 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
20	Drobiova H, Sindhu S , Ahmad R, Haddad D, Al-Mulla F , Al Madhoun A. 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

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21	Abu-Farha M , Iizuka K, Yabe D, Al-Mulla F , Abubaker J . Editorial: Advances in the research of diabetic nephropathy. <i>Frontiers in Endocrinology</i> ; Jan 2023.	5.2	Q1
22	Figy C, Guo A, ... Al-Mulla F , et al. Changes in Expression of Tumor Suppressor Gene RKIP Impact How Cancers Interact with Their Complex Environment. <i>Cancers</i> ; Feb 2023.	5.2	Q1
23	Ali H , Abu-Farha M , Hofmann S. Editorial: COVID-19 and diabetes, volume II. <i>Frontiers in Endocrinology</i> ; Jan 2023.	5.2	Q1
24	Al-Ozairi E , Irshad M , Taghadom E , Varghese A , Sojan L , Alkandari J . Effect of COVID-19 vaccine on blood glucose metrics in Arabic people with type 1 diabetes. <i>Frontiers in Endocrinology</i> ; Mar 2023.	5.2	Q1
25	Alsaeed D , Al-Ozairi A , Alsarraf H , Albarrak F , Al-Ozairi E . Are we ready for the next pandemic? Lessons learned from healthcare professionals' perspectives during the COVID-19 pandemic. <i>Frontiers in Public Health</i> ; Mar 2023.	5.2	Q1
26	Al-Reshed F , Sindhu S , Al Madhoun A , Bahman F , AlSaeed H , Akhter N , Malik MZ , Alzaid F , Al-Mulla F , Ahmad R . Low carbohydrate intake correlates with trends of insulin resistance and metabolic acidosis in healthy lean individuals. <i>Frontiers in Public Health</i> ; Mar 2023.	5.2	Q1
27	Iizuka K, Yabe D, Abu-Farha M , Abubaker J , Al-Mulla F . Editorial: Advances in the research of diabetic nephropathy, volume II. <i>Frontiers in Endocrinology</i> ; Jan 2023.	5.2	Q1
28	Chobot A, Lanzinger S, Alkandari H , 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 Research and Clinical Practice</i> ; Jun 2023.	5.1	Q1
29	Alahmad B , et al. Extreme heat and work injuries in Kuwait's hot summers. <i>Occupational and Environmental Medicine</i> ; Apr 2023.	4.9	Q1
30	Marafie SK , Alshawaf E , Abu-Farha M , Thanaraj TA , Wei DQ , Al-Mulla F , Khan A , Abubaker J , Mohammad A . 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</i> ; Jun 2023.	4.8	Q1
31	Al Ozairi A , Alsaeed D , Al-Ozairi E , Irshad M , 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. <i>Frontiers in Psychiatry</i> ; Jan 2023.	4.7	Q1

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32	Bahman F, AlSaeed H, Albeloushi S, Al-Mulla F, Ahmad R, Al-Rashed F. The role of TLR2 in exercise-induced immunomodulation in normal weight individuals. <i>Scientific Reports; Jun 2023.</i>	4.6	Q1
33	Alahmad B, Li J, Achilleos S, Al-Mulla F, 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; Jun 2023.</i>	4.5	Q1
34	Bahbahani H, Al-Zoubi S, Ali F, Afana A, Dashti M , et al. Signatures of purifying selection and site-specific positive selection on the mitochondrial DNA of dromedary camels (Camelus dromedarius). <i>Mitochondrion; Jan 2023.</i>	4.4	Q1
35	Al-Sayyar A, Hammad MM, Williams MR, Al-Onaizi M, Abubaker J, Alzaid F. Neurotransmitters in Type 2 Diabetes and the Control of Systemic and Central Energy Balance. <i>Metabolites; Mar 2023.</i>	4.1	Q1
36	Alkandari A , 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; May 2023.</i>	4.1	Q1
37	Shirzadi Z, Rabin J, Launer LJ, Bryan RN, Al-Ozairi A , Chhatwal J, Al-Ozairi E , et al. Metabolic and Vascular Risk Factor Variability Over 25 Years Relates to Midlife Brain Volume and Cognition. <i>Journal of Alzheimer's Disease; Jan 2023.</i>	4	Q1
38	Gabriel R, Boukichou-Abdelkader N, ... Alkandari A , 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; Mar 2023.</i>	3.9	Q1
39	Alqaderi H , Abdullah A, Finkelman M, Abufarha M , Devarajan S , Abubaker J , Ramesh N, Tavares M, Al-Mulla F , Bin-Hasan S. The relationship between sleep and salivary and serum inflammatory biomarkers in adolescents. <i>Frontiers in Medicine; May 2023.</i>	3.9	Q1
40	Ali H , Pinto E Vairo F, AlSahow A, Abu-Farha M . Editorial: Advances in chronic kidney disease diagnosis and therapy. <i>Frontiers in Medicine; May 2023.</i>	3.9	Q1
41	Aldukhail S, Shukla A, ... Alqaderi H . Oral and emotional health experience of refugees' in the state of Massachusetts - A mixed methods approach. <i>PLoS One; Mar 2023.</i>	3.7	Q1
42	Vijh D, Imam MA, Haque MMU, Das S, Islam A, Malik MZ . Network pharmacology and bioinformatics approach reveals the therapeutic mechanism of action of curcumin in Alzheimer disease. <i>Metabolic Brain Disease; Jan 2023.</i>	3.6	Q2

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No.	Title of Publication (Click on the title to access the hyperlink)	Impact Factor	Journal Quartile
43	Al-Ozairi A, Taghadom E, Irshad M, Al-Ozairi E. Association Between Depression, Diabetes Self-Care Activity and Glycemic Control in an Arab Population with Type 2 Diabetes. <i>Diabetes, Metabolic Syndrome and Obesity; Feb 2023.</i>	3.3	Q2
44	Ayed M, Alsaffar Z, ... Alkandari H. Coronavirus Infection in Neonates: Neurodevelopmental Outcomes at 18 Months of Age. <i>Canadian Journal of Infectious Diseases and Medical Microbiology; Jan 2023.</i>	2.8	Q3
45	Desai Y, Khraishah H, Alahmad B. Heat and the Heart. <i>The Yale Journal of Biology and Medicine; Jun 2023.</i>	2.7	N/A
46	Haider MZ, Al Rushood M, ... Al-Kandari H. 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; Apr 2023.</i>	2.6	Q1
47	Gupta J, Malik MZ, et al. SARS CoV-2 spike protein variants exploit DC-SIGN/DC-SIGNR receptor for evolution and severity: an in-silico insight. <i>VirusDisease; May 2023.</i>	N/A	Q1
48	Alahmad B, et al. In-Depth Ethical Analysis of the COVID-19 Vaccine Rollout for Migrant Workers in the Gulf Countries. <i>International Journal of Social Determinants of Health and Health Services; May 2023.</i>	N/A	N/A

..... End of Report