



Maitha Abdullah Aldokhayyil

POSITION: Assistant Professor

Personal Data

Nationality | Saudi

Date of Birth | Oct-29th.

Department | Physical Therapy

Official IAU Email | maaldokhayil@iau.edu.sa

Office Phone No. | 31330

Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2020	PhD in Kinesiology (Emphasis: Exercise Physiology)	Auburn University	Auburn, AL, United States
2015	MSc in Kinesiology (Emphasis: Exercise Physiology)	University of Illinois at Chicago	Chicago, IL, United States
2010	BSc in Physical Therapy	University of Dammam	Dammam, Saudi Arabia

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

PhD	Role of TNFR I Signaling in Racial Differences in Endothelial Function: Potential Modulatory Effect of High Laminar Shear Stress
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Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Assistant Professor	Imam Abdulrahman bin Faisal University	Dammam	Saudi Arabia	2021-present
Lecturer	University of Dammam	Dammam	Saudi Arabia	2016-2021
Teaching Assistant	University of Dammam	Dammam	Saudi Arabia	2010-2016

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date

Scientific Achievements

Published Refereed Scientific Research

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Maitha Aldokhayyil ; Dulce H. Gomez; Marc D. Cook; Andreas N. Kavazis; Michael D. Roberts; Thangiah Geetha; Michael D. Brown	Influence of Race and High Laminar Shear Stress on TNFR1 Signaling in Endothelial Cells	International Journal of Molecular Sciences-2023
2	Mohammad Ahsan, Turki Abualait, Mohammed Al-Subaiei, Wafa Al Muslem, Maitha Aldokhayyil , Shibili Nuhmani, Abdullah Alzaharani.	Determining the characteristics of gait variability with a preferred walking speed in hypertensive and normotensive participants	Clinical Epidemiology and Global Health-2023
3	Hong, Soon-Gook; Shin, Junchul; Aldokhayyil, Maitha ; Brown, Michael David; Park, Joon-Young	Mitochondrial and Metabolic Adaptations to Exercise-Induced Fluid Shear Stress in Endothelial Cells	Exercise and Sport Sciences Reviews-2022
4	Ling C, Cook MD, Grimm H, *Aldokhayyil M , Gomez DH, Brown MD.	The Effect of Race and Shear Stress on CRP-induced Responses in Endothelial Cells.	Mediators of Inflammation Journal-2021
5	Gomez DH, *Aldokhayyil M.	Can aerobic exercise alleviate the compound detrimental effects of age	Journal of Physiology- 2021



		and Western diet on vascular function?	
6	Cook MD, Ling C, Grimm H, Adeyemo A, *Aldokhayyil M , Hefferenan K, Fernhall B, Brown MD.	Primary African American Endothelial Cells Exhibit Endothelial Dysfunction with an Exacerbated Inflammatory Profile and Blunted MMP-2 Activity.	Artery Research Journal-2020
7	Cook MD, Anderson L, *Aldokhayyil M , Adeyemo A, Guinyard M, Brown MD.	Endothelial Dysfunction and Hypertension in African Americans: Overview of the Role of the Gut Microbiome.	American Journal of Hypertension Research-2019

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Gomez DH, *Aldokhayyil M , Yap KN, Rumbley MN, Kavazis AN, Brown MD, Robinson AT.	Mitochondrial respiration and redox protein expression in peripheral blood mononuclear cells from Non-Hispanic Black and White Males.	Experimental Biology Annual Meeting. Virtual. April 27-30, 2021.
2	Gomez DH, *Aldokhayyil M , Robinson AT, Brown MD. 2021	Racial differences in endothelial dysfunction: Does PP2A play a role?	Translational Science Conference. Virtual. March 30-April 2, 2021.
3	Gomez DH, *Aldokhayyil M , Robinson AT, Brown MD.	Racial differences in endothelial dysfunction: Does PP2A play a role?	Integrative Physiology of Exercise Meeting. Virtual. November 9-13, 2020.
4	Gomez DH, *Aldokhayyil M , Kavazis AN, Brown MD.	Role of PP2A in Racial Differences in Endothelial Dysfunction.	Experimental Biology Annual Meeting. San Diego, CA. Virtual. April 4-7, 2020.



5	*Aldokhayyil M, Gomez DH, Kavazis AN, Brown MD.	Racial Differences in p66shc Activity in Activated Endothelial Cells.	Experimental Biology Annual Meeting. San Diego, CA. Virtual. April 4-7, 2020.
6	Adeyemo AO, Gomez DH, *Aldokhayyil M, Kavazis AN, Brown MD.	Is the HBP Indicated in the Inflammatory Response to TNF- α .	Experimental Biology Annual Meeting. Virtual. San Diego, CA. April 4-7, 2020.
7	Gomez DH, *Aldokhayyil M, Adeyemo AO, Brown MD.	Can racial differences in endothelial dysfunction be explained by miRNAs?	ACSM Annual Meeting. San Francisco, CA. Virtual. May 26-30, 2020.
8	*Aldokhayyil M, Gomez DH, Adeyemo AO, Brown MD.	Racial Differences in Selected Mechano-Sensitive miRNAs.	ACSM Annual Meeting. San Francisco, CA. Virtual. May 26-30, 2020.
9	Adeyemo AO, Gomez DH, *Aldokhayyil M, Brown MD.	Is the Hexosamine Biosynthesis Pathway affected by Inflammation in Endothelial Cells?	ACSM Annual Meeting. San Francisco, CA. Virtual. May 26-30, 2020.
10	Gomez DH, *Aldokhayyil M, Kavazis A, Brown MD.	Are There Racial Differences in Mitochondrial Respiration, Biogenesis and Function in HUVECs?	SEACSM Annual Meeting. Jacksonville, FL. February 13-15, 2020.
11	*Aldokhayyil M, Gomez D., Brown MD.	Preliminary data on the effect of high laminar shear stress on TNFR1 and adaptor proteins expression in endothelial cells.	Experimental Biology Annual Meeting. Orlando, FL. April 6-9, 2019.
12	*Aldokhayyil M, Ling C, Cook MD, Grimm H, Brown MD.	Racial Differences in CRP Receptor and Influence on eNOS Bioactivity and NO Production in Endothelial Cells.	Experimental Biology Annual Meeting. Chicago.IL. April 22-26, 2017.

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date



Current Research

#	Research Title	Name of Investigator(s)

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Experimental Biology Annual Meeting	San Diego, CA. Virtual. April 4-7, 2020.	Poster presentation
2	ACSM Annual Meeting	San Francisco, CA. Virtual. May 26-30, 2020.	Poster presentation
3	Experimental Biology Annual Meeting	Orlando, FL. April 6-9, 2019.	Poster presentation
4	Experimental Biology Annual Meeting	Chicago, IL. April 22-26, 2017.	Poster presentation
5	IALHEA	University of Illinois at Chicago, Chicago, IL. April 12, 2017.	Poster presentation
6	AHA Research Day	University of Illinois at Chicago, Chicago, IL. Nov 16, 2016.	Poster presentation

Membership of Scientific and Professional Societies and Organizations

- American Physiological Society (APS) 2019-present
- American College of Sports Medicine (ACSM) 2019-present

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Ethics of PT Profession	PT 419	Lectures
2	Introduction to Physical Therapy	PT 215	Lectures
3	Normal Development	PT 314	Lectures
4	Clinical Practice III	PT 418	Clinical Days
5	Clinical Practice II	PT 328	Clinical Days



6	PT Examination Procedures	PT 224	Lectures
7	Psychiatry	PT 420	Lectures
8	Electrophysical Modalities	PT 206	Lectures
9	Fundamentals of PT Assessment	PT 205	Lectures
10	Clinical practice 1	PT 305	Clinical Days

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

Ethics of PT Profession (PT 419): This course is designed to allow students to develop a theoretical understanding of the ethical aspects of physical therapy as a career; and know the duties and rights of the physical therapists including the skills of handling patients and dealing with his/her colleagues.

Introduction to Physical Therapy Sciences (PT 215): This course introduces the field of physical therapy. Main topics include history, definitions, scopes, components and principles of physical therapy profession, professional behavior, and legal and ethical concepts affecting physical therapy practice.

Normal Development (PT 314): This course will provide students with the physiological changes which occur in different body systems from infancy through senility.

Clinical Practice III (PT 417): This course is developed to be a supervised clinical experience in evaluation and management of patients with medical and surgical neurological conditions in different clinical settings.

Clinical Practice II (PT 328): This course is developed to be a supervised clinical experience in evaluation and management of patients with medical and surgical spine conditions in different clinical settings.

PT Examination Procedures (PT 224): This course provides the role of the physical therapist in the evaluation and assessment of patients in different physical therapy field through providing students with updated theoretical knowledge and practical physical therapy skills.

Psychiatry (PT 420): Psychiatry is a course that deals with the study of psychotic and neurotic disorders. The course discusses the etiology, pathology, clinical features and appropriate evaluation and management procedures for various psychiatric conditions. It covers various topics such as schizophrenia, mood disorders, neurotic, stress related disorders, Adult Personality and Behavior disorders, Alzheimer disease, Autism, ADHD, and sleep disorders.

Electrophysical Modalities (PT 206): A theoretical and practical course to teach and train physical therapy students on how to efficiently use electrophysical modalities to treat different conditions.

Fundamentals of PT Assessment (PT 205): This course highlights the role of physical therapist in the evaluation and assessment of patients in different physical therapy fields through providing students with updated theoretical knowledge and practical physical therapy skills.



Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1			

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

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Course Coordination

#	Course Title and Code	Coordination	Co- coordination	Undergrad.	Postgrad.	From	To

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	5 th	10	2024	present
2	3 rd	7	2023	2024
3	7 th	5	2022	2023
4	7 th	5	2021	2022

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date



1	Undergraduate		Imam Abdulrahman Bin Faisal University	2024-2025
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Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization

Committee Membership

#	From	To	Position	Organization
1	2022	Present	Member	Quality and Curriculum Development Committee, PT, CAMS, IAU
2	2021	2022	Member	Research and Graduate Studies, CAMS, IAU

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization

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

1	Computer skills: Microsoft Office, SPSS, GraphPad Prism.
2	Lab techniques: Cell culture, qPCR, Western blotting.

Last Update

28/10/2024