CURRICULUM VITAE

1- Personal Details

Name : **Dr. Ahmad Aljabr**
Date of Birth :
Nationality : **Saudi**
Telephone : **016404**
Mobile :
Email : **AA.ALJABR@MU.EDU.SA**

2- Area of specialization:

Major	Mechanical Engineering
Minor	Mechanical Power

3- Education & Qualifications

Date	Degree	University name	Country	Title of the Dissertation
2010	B.S	Qassim University	KSA	
2015	M.S	University of Dayton	USA	
2021	PhD	University of Dayton	USA	

4- Professional Activities:

Job Title	Place	Country	From	To
Ranking Department, director	Vice Rector's Office for Graduate Studies and Scientific Research	Saudi Arabia	January 2024	now
Innovation & Entrepreneurship committee	Mechanical Engineering department, College of Engineering.	Saudi Arabia	August 2024	now

5- Teaching Experiences

#	Teaching Experiences	University	From	To
	Lecturer	Majmaah University	2010	2012
	Assistant Professor	Majmaah University	2012	Now

6- Areas of Specialization

#	Areas of Specialization
	Renewable Energy systems
	Energy Efficiency
	CFD

7- Current membership in professional organizations

#	Membership	ID
	ASME	000102088237

8- Publications (most important publications in the last 5 Years)

#	Publications / Presentations	Journal (Conference)	Publishing Year (Conference Date)
	Numerical Modeling of The Effects of Micro-Encapsulated Phase Change Materials Intermixed with Grout in Vertical Borehole Heat Exchangers	Geothermics	2021
	Numerical study of heat transfer, exergy efficiency, and friction factor with nanofluids in a plate heat exchanger	Journal of Thermal Analysis and Calorimetry	2023
	Numerical modeling of the effects of the radial and axial location of added micro-encapsulated phase change materials in vertical borehole heat exchangers	Geothermics	2023
	An electric-thermal coupling modeling method for lithium-ion battery using the state of charge normalization calculation method	Journal of Energy Storage	2023
	Effects of multi-spring wires on hydrothermal performance of double tube heat exchanger	Case Studies in Thermal Engineering	2024
	A novel approach to clean polygeneration using a triple-function compound parabolic solar collector	Energy Conversion and Management	2024

9- MAJOR RESEARCH PROJECTS

#	Research Project	Status (Now/Finished)	Funded by