

1- Personal Details

Name : Mohammad Nadeem Khan
Date of Birth : 10/10/1975
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2- Area of specialization:

Major	Mechanical Engineering
Minor	Thermal Engineering

3- Education & Qualifications

Date	Degree	University name	Country	Title of the Dissertation
2012	Ph.D.	JMI, New Delhi	India	Analytical and Experimental Studies of Fluid Flow and Heat Transfer in Microchannels
2006	M.E.	DTU, New Delhi	India	Optimizing the Power Output of Combined Cycle Power Plant
1998	B.Sc Engineering	AMU, Aligarh	India	Design and Fabrication of Water Tube Heat Exchanger

4- Professional Activities:

Job Title	Place	Country	From	To
Academic Editor	Journal of Energy, Hindawi	Egypt	2018	Till date
Editorial Member	JME	Lithuania	2020	Till date
Secretary, Department Council	CoE, Majmaah University	Saudi Arabia	2015	Till date
Coordinator, Department Lab Committee	CoE, Majmaah University	Saudi Arabia	2015	Till date
Coordinator, Department Lab Committee	CoE, Majmaah University	Saudi Arabia	2015	Till date

5- Teaching Experiences

#	Teaching Experiences	University	From	To
1	Associate Professor	Majmaah University, KSA	August 2021	Till date
2	Assistant Professor	Majmaah University, KSA	August 2013	July 2021
3	Professor	KIET Ghaziabad, INDIA	August 2012	July 2013

6- Areas of Specialization

#	Areas of Specialization
1	Fluid Mechanics
2	Heat Transfer
3	Energy engineering
4	Power Plant Technologies

7- Current membership in professional organizations

#	Membership	ID
1	Indian Society for Technical Education (ISTE)	Lifetime
2	Institute of Engineers (India) (IE)	Lifetime
3	Solar Energy Society of India (SESI)	Lifetime

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

#	Publications / Presentations	Journal (Conference)	Publishing Year (Conference Date)
1	Air cooled lithium-ion battery with cylindrical cell in phase change material filled cavity of different shapes	Journal of Energy Storage Vol. 50	2022
2	Thermal enhancement in hybrid nano-polymer using novel models for hybrid nanoparticles	Case Studies in Thermal Engineering, Vol 26	2021
3	Residential and commercial UPS User's contribution to load shedding and possible solutions using renewable energy	Energy Policy, Vol. 151	2021
4	Commercial parabolic trough CSP plants: Research trends and technological advancements	Solar Energy, Vo. 211	2020
5	Energy and exergy analyses of regenerative gas turbine air bottoming combined cycle: optimum performance	Arabian Journal for Science and Engineering, Vol. 45(7)	2020
6	Performance enhancement of regenerative gas turbine: air bottoming combined cycle using bypass valve and heat exchanger—energy and exergy analysis	Journal of Thermal Analysis and Calorimetry	2020
7	Improving the efficiency of gas turbine-air bottoming combined cycle by heat exchangers and bypass control valves	Physica Scripta	2019
8	Aerodynamic effect of bicycle wheel cladding— A CFD study	Energy Reports, Vol. 5	2019
9	Heat irreversibility analysis for a couple stress fluid flow in an inclined channel with isothermal boundaries	Journal of the Taiwan Institute of Chemical Engineers, Vol. 101	2019
10	Performance enhancement of a combined cycle using heat exchanger bypass control: A thermodynamic investigation	Journal of Cleaner Production, Vol. 192	2018

9- MAJOR RESEARCH PROJECTS

#	Research Project	Status (Now/Finished)	Funded by
1	Energy and Exergy analysis of Practical Gas Turbine Power Plant (GTPP) of Saudi Arabia	Completed	EARC Majmaah University
2	Energy and exergy analysis of combined cycle power plant	Completed	EARC Majmaah University
3	Analytical analysis of nanofluids flow and heat transfer from circular and elliptical cylinder	Completed	EARC Majmaah University