

## 1- Personal Details

**Name** : Dr. Mohommad Nadeem Khan  
**Designation** : Associate Professor  
**Date of Birth** : 10/10/1975  
**Nationality** : Saudi Arabia  
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## 2- Area of specialization:

<b>Major</b>	Mechanical Engineering
<b>Minor</b>	Thermal

## 3- Education & Qualifications

Date	Degree	University Name	Country	Title of the Dissertation
Aug. 2012	Ph.D.	Jamia Millia Islamia	India	Analytical and Experimental Studies of Fluid Flow and Heat Transfer in Microchannels
Oct. 2006	M.E.	DTU, New Delhi	India	Optimising the Power Output of Combined Cycle Power Plant
Sept. 1998	B.Sc Engg.	AMU Aligarh	India	Design and Fabrication of Water Tube Heat Exchanger

## 4- Professional Activities:

Job Title	Place	Country	From	To
Secretary of Department Council	CoE, Majmaah University	Saudi Arabia	2015	Till date
Department Lab Committee Coordinator	CoE, Majmaah University	Saudi Arabia	2017	Till date
Department Website Committee Coordinator	CoE, Majmaah University	Saudi Arabia	2017	Till date
Member of department Quality Committee	CoE, Majmaah University	Saudi Arabia	2018	Till date

## 5- Teaching Experiences

#	Teaching Experiences	University	From	To
1	Associate Professor	Majmaah University, KSA	Aug, 2021	Till Date
2	Assistant Professor	Majmaah University, KSA	Aug, 2013	July, 2021
3	Professor	KIET, Ghaziabad, INDIA	Aug 2012	July 2013
4	Associate Professor	KIET, Ghaziabad, INDIA	Aug 2009	July 2012
5	Assistant Professor	KIET, Ghaziabad, INDIA	Aug 2008	July 2009

## 6- Areas of Specialization

#	Areas of Specialization
1	Thermal Engineering
2	Power Plant Engineering
3.	Energy Engineering
4	Fluid Mechanics and Heat Transfer
5	Thermodynamics and Refrigeration & Air conditioning

## 7- Current membership in professional organizations

#	Membership	ID
1	Indian Society for Technical Education (ISTE)	Life Member
2	Indian Thermal Analysis society (ITAS)	Life Member
3	Indian Thermal Analysis society (ITAS)	Life Member
4	Institute of Engineers (India) (IE)	Life Member

## **8- Publications (Most important publications in the last 5 Years)**

#	Publications / Presentations	Journal (Conference)	Publishing Year (Conference Date)
1	Multi-objective optimization of a microchannel heat sink with a novel channel arrangement using artificial neural network and genetic algorithm	Case Studies in Thermal Engineering	2024
2	Exergy-economic performance comparison of three organic flash cycles integrated with an LNG subsystem to produce electricity and sub-zero cooling	Applied Thermal Engineering	2024
3	Environmental protection and sustainable waste-to-energy scheme through plastic waste gasification in a combined heat and power system	Process Safety and Environmental Protection	2024

## **9- MAJOR RESEARCH PROJECTS**

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