





1- Personal Details

Name : Dr. Vakkar Ali Date of Birth : 01.01.1964 Nationality : INDIAN

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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	
2008	PhD	Jamia Millia Islamia, New Delhi,110025	India	A comparative study of factors influencing aerodynamic drag resulting fuel consumption in different models of	
		1,0,1,2,0,1,0,0,20		aerodynamic vehicle.	
1998	M.E	Delhi University Delhi	India	Power Output and Efficiency of some Endo-reversible Power Generation Cycle, with finite – time Thermodynamics.	

4- Professional Activities:

Job Title	Place	Country	From	To
Technical Supervisor	Beacon Metal India Delhi.	India	1985	1987

5- Teaching Experiences

#	Teaching Experiences	University	Country	From	То
1	Associate Professor	Majmaah University,Majmaah,	KSA	Nov. 2013	Till Date
2	Professor and Head	MVN,Uni.,Haryana	India	Oct. 2012	Oct.2013
3	Director &Professor	MACET, Patna	India	Dec. 2011	Sep.2012
4	Professor and Head	RGGI, Meerut, U.P.	India	Feb 2011	Nov. 2011
5	Professor	Al-Falah School of Engineering & Tech.	India	May-2010	Feb 2011
6	Associate Professor	Indira Gandhi National Open University	India	Aug-2006	May-2010
7	Associate Professor	Priyadarshini College, GBTU	India	Jan-2000	Aug-2006
8	Assistant Professor	Delhi Aeronautical Institute, New Delhi	India	Aug-1995	Dec-1999.
9	Assistant Lecturer	Jamia Millia Islamia, New Delhi.	India	Feb-1987	Aug-1995

6- Areas of Specialization

#	Areas of Specialization	
1	Fluid mechanics	
2	Heat Transfer	
3	Nano Fluids	

7- Current membership in professional organizations

#	Membership	ID
1	Fellow of Institution of Engineers (India)	
2	Fellow of System Dynamics Society (India)	

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

#	Publications / Presentations	Journal (Conference)	Publishing Year (Conference Date)
1	Investigation of the effect of wall geometry change on thermal resistance, temperature uniformity and FOM of a micro-heatsink containing Nano fluid flow.	The European Physical Journal Plus	2022
2	Lattice Boltzmann-based numerical analysis of Nano fluid natural convection in an inclined cavity subject to multiphasic fields" Scientific Reports volume 12, Article number: 5514 (2022).	Scientific Reports	2022
3	Numerical simulation and exergy analysis of a novel Nano fluid-cooled heat sink" Journal of Thermal Analysis and Calorimetry volume 145, pages1651–1660 (2021).	Journal of Thermal Analysis and Calorimetry	2021
4	Challenging ANN and RSM approaches to forecast β-SiC nanoparticles efficacy on performance of liquid ethylene glycol and propylene glycol" Volume 389, September 2021, Pages 204-214.	Powder Technology	2021
5	Aerodynamic drag analysis and its effect on power consumption of an automobile car"	International Journal and Fluid Mechanics.	2020
6	Thermal and Fluid Dynamics Performance of MWCNT-Water Nano fluid Based on Thermal physical Properties: An Experimental and Theoretical Study	Nature Research Scientific Reports	2020
7	An Experimental Investigation on the Effects of Ultra sonication Time on Stability and Thermal Conductivity of MWCNT- water Nano fluid: Finding the Optimum Ultra sonication Time"	Ultrasonic Sonochemistry	2019
8	On the rheological properties of MWCNT-TiO2/oil hybridnofluid: An experimental investigation on the effects of shear rate, temperature, and solid concentration of nanoparticle.	International Journal of Powder Technology	2019
9	Thin film flow of micro polar fluid in a permeable medium"	International Journal of Coatings	2019
10	On Natural Frequency of Finite Element Mo Geometrically Imperfect Shear Deformable Functionally Gradient Sandwich Arches in Thermal Environment2019	International Journal of Applied Mechanics	2019
11	Thermodynamic analysis and optimization of solar thermal engine: Performance enhancement"	International Journal of Physical A Statistical Mechanics and its Applications	2020.

9- MAJOR RESEARCH PROJECTS

	#	Research Project	Status (Now/Finished)	Funded by
ĺ	1	Analysis of Entropy Generation in Newtonian and Non-	In Process	Majmaah Universiy
		Newtonian Fluids.		KSA