


Faculty Vitae

General Information:

Name	Nationality	Photo
<p style="text-align: center;">DR. VAKKAR ALI</p> <p>Date of Birth : 01.01.1964</p> <p>Telephone : 0164042750,Extn.2604</p> <p>Mobile : 0535170605</p> <p>Email : w.ahmad@mu.edu.sa</p>	INDIAN	

Education:

Degree	Discipline	Institution	Year
PhD	Mechanical Engineering	J.M.I, New Delhi-25	2008
MSc	Mechanical Engineering	Delhi University	1998
Bachelor	Mechanical Engineering	J.M.I, New Delhi-25	1995

Academic Record:

Institution	Title	Period	FT/PT
Majmaah ,University, Majmaah,	Associate Professor	Nov 2013 - Till date	FT
MVN,Uni.,Haryana, India	Professor and Head	Oct.2012- Oct.2013	FT
MACET, Patna, India	Director &Professor	Dec.2011- Sep.2012	FT
RGGI, Meerut, U.P. India	Professor and Head	Feb.2011- Nov.2011	FT
Al-Falah School of Engineering & Tech. , India	Professor	May2010 - Feb.2011	FT
Indira Gandhi National Open University, India	Associate Professor	Aug.2006-May 2010	FT
Priyadarshini College, GBTU, India	Associate Professor	Jan.2000-Aug.2006	FT
Delhi Aeronautical Institute, New Delhi, India	Assistant Professor	Aug.1995 -Dec.1999	FT
Jamia Millia Islamia, New Delhi. , India	Assistant Lecturer	Feb.1987-Aug.1995	FT

Awards and Honors

#	Award / Honor	Year
1	Best Director of the Universities Engineering Colleges	2012
1.	Best Faculty Member	2022
2.	Best Teacher and Faculty Member	2023
3.	Good Researcher	2024

Scientific and professional membership

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

Selected publications

Journal publications	
1	Mukhtar Ahmad, Vakkar Ali “Mathematical Tools of Optimization Employed in Engineering Design” A Review pro. Fourth Annual Conference of Indian Society of Industrial & Applied Mathematics, Jan, 1996, Jamia Millia Islamia New Delhi-110025. (India).
2	Abdul Khaliq, Vakkar Ali , Tasmeem Ahmad Khan, “Optimization of Irreversible Thermal Insulation System” International Symposium on Science & Technology at Shelter Council, Kolkata (India) Jan,2000.
3	Vakkar Ali , I.A. Khan. S.M.Muzakkir, “Evaluation & Selection of A Mechanical System- An MADM Approach.” Advance in Mechanical Engineering at Jamia Millia Islamia New Delhi-110025.(India) Jan,2006.
4	Abdur Rahim, Mukhtar Ahmad, Vakkar Ali ,”Numerical study of Turbulent Flow through Axismmetric Combustor” Advance in Mechanical Engineering at Jamia Millia Islamia New Delhi-110025.(India) Jan,2006.
5	Vakkar Ali , M.Islam, Abdur Ramim, Naseem Ahmad,” Effect of Boundary Layer Drag on Power consumption of a moving Car” International Conference on Advances in Mechanical Engineering (AME2006), December 1-3, 2006, Fatehgarh Sahib, Punjab, INDIA.
6	Vakkar Ali , M.Islam, Abdur Rahim, Naseem Ahmad,” Drag Estimation on an Aerodynamic body” NCME-2006, TIET, Patiala-147004. (India).
7	Vakkar Ali , Mohd Islam, Abdur Rahim, Naseem Ahmad “Drag Estimation Due to Boundary Layer Flow over a Flat Surface”. National Conference on Trends and Advances in Mechanical Engineering 2007, YMCS, Faridabad, Haryana, India.
8	Vakkar Ali , Mohd Islam, Abdur Rahim, Naseem Ahmad “Boundary Layer, Flow and Drag Estimation on the Body of Moving Car”. International journal of Fluid Mechanics Research, issue 6, volume 33, pages 489-499, 2006.
9	Sachin Kumar Chaturvedi, Mohd.Owais Qidwai, Vakkar Ali , “Analysis of Design for Self-Propelled Shaft by Composite Materials”.National Conference on Advancement in Mechanical Engineering, May 23, 2011,Al-Falah School of Engineering and Technology,Faridabad,Haryana,India.

10	Shahzad Ahmad, Sujeet Kumar, Vakkar Ali , "Similarities and Difference between TQM,SIGMA and Lean". National Conference on Advancement in Mechanical Engineering,May,23,2011,Al-Falah School of Engineering and Technology,Faridabad,Haryana,India.
11	Vakkar Ali "An Experimental Study of Aerodynamic Drag on the Body of Road Vehicle" Journal of Pure and Applied Science and Technology, Accepted Vol. 5(2), Jul 2015.
12	Vakkar Ali, "A study of aerodynamic drag on the body of indian Maruti Esteem car", International Conference On Innovative Research in "Mechanical, Electrical, Electronics, Civil, Computer Science and Information Technology" (MECIT-201 to be held at Jawaharlal Nehru University, New Delhi, on 16th and 17th May, 2015),
13	Vakkar Ali, Ziaur-Rehman "Space Air- Conditioning by Aqua Ammonia Absorption, System using Exhaust Waste Heat of Diesel Generator Set" International Journal of Engineering and Applied Sciences. Majmaah University,KSA, 2016-17.
14	I Tlili, A Vakkar "Thermodynamic analysis and optimization of solar thermal engine: Performance enhancement"International Journal of Physica A: Statistical Mechanics and its Applications, 123012, 2020.
15	V. Ali, A. M. Alklaibi, M Talha "On Natural Frequency of Finite Element Modeled Geometrically Imperfect Shear Deformable Functionally Gradient Sandwich Arches in Thermal Environment" International Journal of Applied Mechanics 11 (01), 2019
16	V. Ali, T Gul, S Afridi, F Ali, SO Alharbi, I Khan " Thin film flow of micropolar fluid in a permeable medium" International Journal of Coatings 9 (2), 98, 2019
17	I. M. Alarifi, AB Alkouh, V Ali, HM Nguyen, A Asadi, "On the rheological properties of MWCNT-TiO ₂ /oil hybrid nanofluid: An experimental investigation on the effects of shear rate, temperature, and solid concentration of nanoparticles", International Journal of Powder Technology 355, 157-162, 2019
18	A Asadi, IM Alarifi, V Ali, HM Nguyen, "An Experimental Investigation on the Effects of Ultrasonication Time on Stability and Thermal Conductivity of MWCNT-water Nanofluid: Finding the Optimum Ultrasonication Time", Ultrasonics Sonochemistry, 104639, 2019
19	Vakkar Ali , Muhammad Ibrahim b , Abdallah S. Berrouk b,c , Ebrahim A. Algehyne d , Tareq Saeed e , Yu-Ming Chu f,g, "Navigating the effect of tungsten oxide nano-powder on ethylene glycol surface tension by artificial neural network and response surface methodology,"Journal of Powder Technology,386(2021),483-490.
20	Vakkar Ali ,Optimal control theory of an age-structured coronavirus disease model and the dynamical analysis of the underlying ordinary differential equation model having constant parameters,2023
21	Vakkar Ali,Machine learning-based prediction of mechanical and thermal properties of nickel/cobalt/ferrous and dried leaves fiber-reinforced polymer hybrid composites,2023
22	Vakkar Ali ,Predicting physico-mechanical and thermal properties of loofa cylindrica fibers and Al ₂ O ₃ /Al-SiC reinforced polymer hybrid composites using artificial neural network techniques,2023
23	Vakkar Ali ,Combining six superluminal and subluminal structured light fields with right and left circular polarizations in a chiral medium through superposition,2023

24	Vakkar Ali ,Influence of dimension variations of a fin and wall emissivity on the nanofluids flow inside a square cavity using the two-phase Lattice Boltzmann method,2023
25	Vakkar Ali ,Optimal control theory of an age-structured coronavirus disease model and the dynamical analysis of the underlying ordinary differential equation model having constant parameters,2022-23
26	Vakkar Ali ,Machine learning-based prediction of mechanical and thermal properties of nickel/cobalt/ferrous and dried leaves fiber-reinforced polymer hybrid composites2022-23