


Full Name	Dr. Virendra Kumar	
Passport size colour picture		
Email id	<a href="mailto:virendra.kumar@knit.ac.in">virendra.kumar@knit.ac.in</a> (O) <a href="mailto:veer.iitdmech@gmail.com">veer.iitdmech@gmail.com</a> (P)	
Mobile Number	+91 8587800407	
Highest Qualification	Ph.D. (IIT Delhi)	
Brief biodata	<p>Dr. Virendra Kumar is currently working as Assistant Professor in the Department of Mechanical Engineering of Kamla Nehru Institute of Technology (KNIT), Sultanpur. He obtained his Ph.D. in Thermal Engineering from the Indian Institute of Technology Delhi and M.Tech from NIT Silchar Assam. Prior to joining Kamla Nehru Institute of Technology, he worked as Assistant Professor at K R Mangalam University, Gurugram, Haryana. He has more than 7+ years of teaching and research experience. Along with teaching, he is also working as an active reviewer in more than 10+ international journals and editorial board member in the Journal of <i>Thermal Science and Engineering</i>.</p> <p>He received one NPIU sponsored research grant worth 9.59 lakhs under a collaborative research scheme (CRS) to develop a supersonic two-stage ejector. His major achievement is developing a constant rate of kinetic energy change theory for the design and analysis of ejectors. He is also organized several FDP/STP programs, webinars and delivered many expert talks.</p>	
Research Interest	<ul style="list-style-type: none"> <li>· Design and Analysis of Supersonic Ejectors</li> <li>· Experimental and Numerical fluid flow and Heat Transfer analysis</li> <li>· Computational Fluid Dynamics (CFD)</li> <li>· Turbomachinery</li> </ul>	
Link of Orchid account	<a href="https://orcid.org/0000-0003-4072-3038">https://orcid.org/0000-0003-4072-3038</a>	
Link of Google scholar account	<a href="https://scholar.google.co.in/citations?user=p-kJ1aEAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=p-kJ1aEAAAAJ&amp;hl=en</a>	
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Link of research gate account	<a href="https://www.researchgate.net/profile/Virendra-Kumar-20">https://www.researchgate.net/profile/Virendra-Kumar-20</a>
Researcher id	<a href="#">J-4387-2019</a>
List of Publications	<p>PUBLICATIONS IN JOURNALS</p> <ol style="list-style-type: none"> <li>1. Virendra Kumar, Gaurav Singhal, PMV Subbarao "Realization of novel constant rate of kinetic energy change (CRKEC) supersonic ejector" Energy 164 (2018): 694-706. [SCI, IF=6.082, ISSN= 0360-5442, Elsevier].</li> <li>2. Virendra Kumar, Gaurav Singhal, and P. M. V. Subbarao "Study of supersonic flow in a constant rate of momentum change (CRMC) ejector with frictional effects" Applied Thermal Engineering 60.1 (2013): 61-71. [SCIE, ISSN= 1359-4311, IF=4.725, Elsevier].</li> <li>3. Virendra Kumar, P.M.V. Subaarao, G. Singhal, "Effect of Nozzle Exit Position (NXP) on Variable Area Mixing Ejector" SN Applied Sciences, 1 (2019), 1473 (Scopus, ISSN=2523-3971, Springer Nature).</li> <li>4. Anil Kumar, Santosh Kumar, Nilay Krishna Mukhopadhyay, Anshul Yadav, Virendra Kumar, Jerzy Winczek "Effect of SiC Reinforcement on Wear Behaviour of AZ91 alloy Composites" materials, 13 (2020) 1-13 [SCIE, IF=3.057, ISSN 1996-1944, MDPI]</li> <li>5. Lalta Prasad, Shiv Kumar, Raj Patel, Anshul Yadav, Virendra Kumar, Jerzy Winczek "Physical and Mechanical Behaviour of Sugarcane Bagasse Fibre-Reinforced Epoxy Bio-Composites" materials, 13 (2020) 1-13 [SCIE, IF=3.057, ISSN 1996-1944, MDPI]</li> <li>6. Lalta Prasad, Aruna Saini, Virendra Kumar "Mechanical Performance of Jute and Basalt Fiber Geo-grid Reinforced Epoxy Hybrid Composite Material" Journal of Natural Fibers, 16 (2019), 1-11 [SCI, IF=2.622; ISSN= 1544-0478, Taylor &amp; Francis].</li> <li>7. Prasad, Lalta, B. L. Salvi, Virendra Kumar "Thermal degradation and gasification characteristics of Tung Shells as an open top downdraft wood gasifier feedstock" Clean Technologies and Environmental Policy 17.6 (2015): 1699-1706. [SCI, IF= 2.429, ISSN=1618-9558, Springer Berlin Heidelberg]</li> <li>8. Lalta Prasad, Manish Upreti, Virendra Kumar, Anshul Yadav, Anil Kumar. "Optimisation of process parameters during WEDM of EN-42 Spring Steel" SN Applied Sciences, 2 (2020), 947 [Scopus, ISSN=2523-3971, Springer Nature].</li> <li>9. Lalta Prasad, Gaurav Singh, Anshul Yadav, Virendra Kumar, Anil Kumar, " Properties of functionally gradient composites reinforced with waste natural fillers" Acta Periodica Technologica, 50 (2019) 250-259 [ Scopus, ISSN= 2406-095X, Faculty of Technology, Novi Sad].</li> <li>10. Prabhat Charasia, Anil Kumar, Anshul Yadav, Virendra Kumar, Lalta Prasad "Heat Transfer Augmentation in Automobile's Radiator using Al<sub>2</sub>O<sub>3</sub>-Water Based Nanofluid", SN Applied Science 1 (2019) 257-264. [Scopus, ISSN= 2523-3971, Springer Nature]</li> <li>11. K.M. Pandey, Virendra Kumar "CFD analysis of twin jet flow at Mach 1.74 with Fluent software." International Journal of Environmental Science and Development, 1(5) (2010): 423-428. [Scopus, ISSN: 2010-0264]</li> </ol>

12. S. K. Yadav, K. M. Pandey, V. Kumar, R. Gupta "Computational analysis of a supersonic two-stage ejector" *Materials Today: Proceedings* (2020) [Scopus, ISSN=2214-7853, Elsevier].
13. S. K. Yadav, V. Kumar, K. M. Pandey, R. Gupta "Development of the Constant Rate of Momentum Change (CRMC) variable area nozzle" *Material Today: Proceeding* (2020) [Scopus, ISSN=2214-7853, Elsevier].
14. Ashiwani Kumar, Virendra Kumar, Anil Kumar, Binayaka Nahak, Rajesk Singh "Investigation of Mechanical and Tribological Performance of Marble Dust 7075 Aluminium Alloy Composites", *Materials Today: Proceedings* (2020) [Scopus, ISSN=2214-7853, Elsevier].
15. C. P. Singh, R. V. Patel, A. Yadav, A. Kumar, V. Kumar "Fabrication and evaluation of physical and mechanical properties of jute and coir reinforced polymer matrix composite" *Materials Today: Proceedings* (2020) [Scopus, ISSN=2214-7853, Elsevier].
16. Pandey, K. M., Virendra Kumar "CFD Analysis of Four Jet Flow at Mach 1.74 with Fluent Software." *International Journal of Chemical Engineering and Applications* 1.4 (2010): 302-308 [ISSN: 2010-0221]
17. Tamanna, Moin Uddin, Virendra Kumar, Vinod Kumar Yadav. "Comparative Study of The VINCI Robot's Arm End Effector Matrix Using Python and MATLAB" *Materials Today: Proceedings* (2021) [Scopus, ISSN=2214-7853, Elsevier].

#### BOOK/BOOK CHAPTERS

1. Prasad, L., Mohan, L., Raturi, H. P., Kumar, V. "A Comparative Study on Mechanical and Dry Sliding Wear Behaviour of Al 7075-T6 Welded Joints Fabricated By FSW, TIG and MIG" *Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018)*, Vol. 2., 499-506. [Scopus, Publisher: Springer, ISSN= 978-981-13-2717-9]
2. Abhishek Sharma, Surendar Kumar Yadav, Anshul Yadav and Virendra Kumar, Anil Kumar "Comparison of Static and Harmonic Response of Structural Steel and Aluminium Alloy Automotive Shock Absorbers" *SPRINGER: LECTURE NOTES IN MECHANICAL ENGINEERING*, 2021.