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Brief bio data	<p>Dr Anil Kumar is an Assistant Professor in the Department of Mechanical Engineering at KNIT Sultanpur (U.P.). He received his Master and Doctoral Degree from IIT (BHU) Varanasi. He also an alumnus of this Institute Batch 2008.</p> <p>He joined KNIT Sultanpur in July 2013; before joining KNIT Sultanpur, he was SRF cum full-time Research Scholar in Mechanical Engineering Department at IIT BHU, Varanasi. He also worked as faculty in the Bipin Tripathi Kumaon Institute of Technology Dwarahat (Uttarakhand) from January to June 2011. He has more than eight years of teaching and research experience. Along with teaching, he is also working as an active reviewer in more than six International Journals and worked for many conferences.</p> <p>He served many responsibilities, such as Convenor Hobby club, Coordinator MIS under WB TEQIP-II, and founder member of Innovation and Start-up cell at KNIT Sultanpur.</p> <p>He organized several Conferences, Faculty Development Program, Short Term Courses and Webinar at KNIT Sultanpur. He has published several research articles in National and International journal and proceedings. He received one sponsored project from NPIU worth 9.59 lacks for the development of two-stage ejectors.</p>
Research Interest	Metal matrix composites, fibre composites and heat transfer analysis, Solar photovoltaic thermal, Wear and Tribology.
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Link of research gate account	<a href="https://www.researchgate.net/profile/Anil-Kumar-367">https://www.researchgate.net/profile/Anil-Kumar-367</a>
Researcher id	AAE-5659-2021
List of Publications	1. A. Kumar, S. Kumar, N. K. Mukhopadhyay, A. Yadav, V. Kumar, and J. Winczek, "Effect of Variation of SiC Reinforcement on Wear Behaviour of AZ91 Alloy Composites," <i>Materials (Basel)</i> , vol. 14, no. 4, 2021, doi:

	<p>10.3390/ma14040990. [SCIE, IF=3.057, ISSN 1996-1944, MDPI]</p> <ol style="list-style-type: none"> <li>2. A. Kumar, V. Kumar, A. Kumar, B. Nahak, and R. Singh, "Investigation of mechanical and tribological performance of marble dust 7075 aluminium alloy composites," <i>Mater. Today Proc.</i>, Jan. 2021, doi: 10.1016/j.matpr.2020.10.812. [Scopus, ISSN=2214-7853, Elsevier]</li> <li>3. A. Kumar <i>et al.</i>, "Optimization of sliding and mechanical performance Ti/Ni metal powder particulate reinforced Al 6061 alloy composite using preference selection index method," <i>Mater. Today Proc.</i>, Jan. 2021, doi: 10.1016/j.matpr.2020.10.974. [Scopus, ISSN=2214-7853, Elsevier]</li> <li>4. S. Singh, A. Kumar, and A. Yadav, "Experimental Investigation of Thermal Performance Evaluation of Solar Flat Plate Collector," <i>Mater. Today Proc.</i>, vol. 24, pp. 1533–1540, 2020, doi: 10.1016/j.matpr.2020.04.473. [Scopus, ISSN=2214-7853, Elsevier]</li> <li>5. S. Kumar, A. Yadav, V. Patel, B. Nahak, and A. Kumar, "Mechanical behaviour of SiC particulate reinforced Cu alloy based metal matrix composite," <i>Mater. Today Proc.</i>, Sep. 2020, doi: 10.1016/j.matpr.2020.08.580. [Scopus, ISSN=2214-7853, Elsevier]</li> <li>6. L. Prasad, M. Upreti, A. Yadav, R. V. Patel, V. Kumar, and A. Kumar, "Optimization of process parameters during WEDM of EN-42 spring steel," <i>SN Appl. Sci.</i>, vol. 2, no. 5, p. 947, May 2020, doi: 10.1007/s42452-020-2650-2. [Scopus, ISSN=2523-3971, Springer Nature]</li> <li>7. A. Kumar, S. Kumar, N. K. Mukhopadhyay, A. Yadav, and J. Winczek, "Effect of SiC Reinforcement and Its Variation on the Mechanical Characteristics of AZ91 Composites," <i>Materials (Basel)</i>, vol. 13, no. 21, p. 4913, Oct. 2020, doi: 10.3390/ma13214913. [SCIE, IF=3.057, ISSN 1996-1944, MDPI]</li> <li>8. S. Kumar; Rajnish Singh; Ritesh Jaiswal; Anil Kumar, "Optimization of Process Parameters of Electron Beam Welded Fe49Co2V Alloys," <i>Int. J. Eng. Trans. B Appl.</i>, vol. 33, no. 5, 2020, doi: 10.5829/ije.2020.33.05b.19. [Scopus, ISSN=1. 1728-144X, Materials and Energy Research Center]</li> <li>9. P. Kumar Rai, A. Kumar, and A. Yadav, "Experimental Investigation of Heat Transfer Augmentation in Automobile Radiators using Magnesium Oxide/Distilled Water-Ethylene Glycol based Nanofluid," <i>Mater. Today Proc.</i>, vol. 24, pp. 1525–1532, 2020, doi: 10.1016/j.matpr.2020.04.472. [Scopus, ISSN=2214-7853, Elsevier]</li> <li>10. C. P. Singh, R. V. Patel, M. F. Hasan, A. Yadav, V. Kumar, and A. Kumar, "Fabrication and evaluation of physical and mechanical properties of jute and coconut coir reinforced polymer matrix composite," <i>Mater. Today Proc.</i>, Sep. 2020, doi: 10.1016/j.matpr.2020.07.684. [Scopus, ISSN=2214-7853, Elsevier]</li> <li>11. L. Prasad, G. Singh, A. Yadav, V. Kumar, and A. Kumar, "Properties of functionally gradient composites reinforced with waste natural fillers," <i>Acta Period. Technol.</i>, no. 50, pp. 250–259, 2019, doi: 10.2298/APT1950250P. [Scopus, ISSN= 2406-095X, <b>Faculty of Technology, Novi Sad</b>]</li> <li>12. A. Yadav, A. Kumar, P. Gupta, and D. K. Sinha, "Numerical study of temperature distributions and solidification pattern in the weld pool of arc welded plate," <i>Defect Diffus. Forum</i>, vol. 392, 2019, doi: 10.4028/www.scientific.net/DDF.392.218. [Scopus, ISSN=1662-9507, scientific.net]</li> <li>13. M. K. Gupta, A. Bharti, B. Nahak, N. Choudhary, and A. Kumar, "Thermal Characteristics of Sisal Composites Containing Charcoal Particles," <i>Mater. Today Proc.</i>, vol. 18, pp. 3174–3181, 2019, doi:</li> </ol>
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	<p>10.1016/j.matpr.2019.07.193. [Scopus, ISSN=2214-7853, Elsevier]</p> <p>14. B. Nahak, M. K. Gupta, and A. Kumar, "Mechanical and Water Absorption Properties of Sisal Composites: Effect of Charcoal Particles Loading," <i>Mater. Today Proc.</i>, vol. 18, pp. 3766–3774, 2019, doi: 10.1016/j.matpr.2019.07.314. [Scopus, ISSN=2214-7853, Elsevier]</p> <p>15. R. Singh, A. Kumar, and A. Yadav, "Performance analysis of the solar photovoltaic thermal system using phase change material," <i>IOP Conf. Ser. Mater. Sci. Eng.</i>, vol. 577, p. 012166, Dec. 2019, doi: 10.1088/1757-899X/577/1/012166. [Scopus, ISSN=1757-8981, IOP Conf. Ser.: Mater. Sci. Eng. ]</p> <p>16. P. Chaurasia, A. Kumar, A. Yadav, P. K. Rai, V. Kumar, and L. Prasad, "Heat transfer augmentation in automobile radiator using Al<sub>2</sub>O<sub>3</sub>–water based nanofluid," <i>SN Appl. Sci.</i>, vol. 1, no. 3, p. 257, Mar. 2019, doi: 10.1007/s42452-019-0260-7. [Scopus, ISSN=2523-3971, Springer Nature]</p> <p>17. M. Irshad, A. Yadav, R. Singh, and A. Kumar, "Mathematical modelling and performance analysis of single pass flat plate solar collector," <i>IOP Conf. Ser. Mater. Sci. Eng.</i>, vol. 404, p. 012051, Sep. 2018, doi: 10.1088/1757-899X/404/1/012051. [Scopus, ISSN=1757-8981, IOP Conf. Ser.: Mater. Sci. Eng. ]</p> <p>18. A. Kumar, S. Kumar, and N. K. Mukhopadhyay, "Introduction to magnesium alloy processing technology and development of low-cost stir casting process for magnesium alloy and its composites," <i>J. Magnes. Alloy.</i>, vol. 6, no. 3, pp. 245–254, Sep. 2018, doi: 10.1016/j.jma.2018.05.006. [SCIE, IF=7.115, ISSN 2213-9567, Elsevier]</p> <p>19. D. Kumar Sinha, S. Kumar, A. Kumar, and A. Yadav, "Mathematical modelling to predict mechanical properties of Copper (C101) feedstock in continuous extrusion," <i>IOP Conf. Ser. Mater. Sci. Eng.</i>, vol. 404, p. 012052, Sep. 2018, doi: 10.1088/1757-899X/404/1/012052. [Scopus, ISSN=1757-8981, IOP Conf. Ser.: Mater. Sci. Eng. ]</p> <p>20. D. K. Sinha, S. Kumar, A. Kumar, and A. Yadav, "Optimization of Process Parameters in Continuous Extrusion of Aluminium Alloy," <i>2018 Int. Conf. Comput. Charact. Tech. Eng. Sci.</i>, pp. 246–251, Sep. 2018, doi: 10.1109/CCTES.2018.8673980. [Scopus, IEEE]</p> <p>21. A. Yadav, A. Ghosh, P. Gupta, and A. Kumar, "Mathematical Modelling of Heat Affected Zone Width in Submerged Arc Welding Process," <i>2018 Int. Conf. Comput. Charact. Tech. Eng. Sci.</i>, pp. 216–220, Sep. 2018, doi: 10.1109/CCTES.2018.8674092. [Scopus, IEEE]</p> <p>22. A. Kumar, S. Kumar, and N. K. Mukhopadhyay, "Casting and characterization of TiC particulate reinforced AZ91 magnesium alloy metal matrix composite through stir casting process," <i>Int. J. Mech. Eng. Technol.</i>, vol. 9, no. 06, pp. 856–863, 2018. [Scopus, ISSN=0976 – 6340, IAEME]</p> <p>23. R. V. P. Patel and A. Kumar, "Experimental Investigation of Double Slope Solar Still for the Climatic Condition of Sultanpur," <i>Int. J. Eng. Technol.</i>, vol. 9, no. 6, pp. 4019–4033, Dec. 2017, doi: 10.21817/ijet/2017/v9i6/170906309.</p>
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