


## Faculty Profile

	<b>Dr. M. VINOTH KUMAR</b>	<b>Academic Credentials</b> <ul style="list-style-type: none"> <li>• Under-Graduation: B.E (Mechanical Engineering) – Madras University</li> <li>• Post-Graduation: M.E (Welding Technology) – Anna University</li> <li>• Doctoral Degree: Ph. D (Manufacturing) – Annamalai University</li> </ul>
<b>Designation</b>	<b>Associate Professor</b>	<b>Experience</b>
<b>E-Mail ID:</b>	mvinothk@hindustanuniv.ac.in	<ul style="list-style-type: none"> <li>• Teaching – 7 years</li> <li>• Industry – 5 years</li> </ul>
<b>Scopus</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=41961782700">https://www.scopus.com/authid/detail.uri?authorId=41961782700</a>	<b>Research Areas</b>
<b>Google Scholar</b>	<a href="https://scholar.google.com/citations?pli=1&amp;authuser=1&amp;user=eovjLkGA AAAJ">https://scholar.google.com/citations?pli=1&amp;authuser=1&amp;user=eovjLkGA AAAJ</a>	<ul style="list-style-type: none"> <li>• <b>Welding</b></li> <li>• <b>Corrosion</b></li> <li>• <b>Composites</b></li> <li>• <b>Materials Testing</b></li> </ul>
<b>Recent Publications</b>		
<ol style="list-style-type: none"> <li>1. Mallieswaran, K., Rajasekaran, S., Vinoth Kumar, M., and Rajendran, C., Steel shot peening effects on friction stir welded AA2014-T6 aluminum alloys (2022). <i>Materials Testing</i>, 64(8), pp.1202-1213. DOI:10.1515/mt-2021-2173</li> <li>2. Rajendran, C., Vinoth Kumar, M., Sonar, T. and Mallieswaran, K., Investigating the Effect of PWHT on microstructural features and fatigue crack growth behavior of friction stir welded AA2024-T6 aluminum alloy joints (2022). <i>Forces in Mechanics</i>, 8, pp.100107. DOI: 10.1016/j.finmec.2022.100107</li> <li>3. Hariram, V., Saravanan, A., Nadanakumar, V., Vinoth Kumar, M., Balachandar, M., John, J.G., Seralathan, S. and Vasudev, K.L., Optimized Grapeseed Biodiesel Production and its Effect on the CI engines Combustion Characteristics at Variable Compression Ratios (2022). <i>International Journal of Vehicle Structures &amp; Systems</i>, 14(2). DOI:10.4273/ijvss.14.2.19</li> <li>4. Hariram, V., Venkatesh, K., Saidev, M.V., Mahesh, S., Vinothkumar, M., Rao, K.K., Seralathan, S. and Premkumar, T.M., Vehicle Body and Roll Cage Assessment involving Frontal, Side and Roll-over Crash Analysis by FEA using LS-Dyna (2021). <i>International Journal of Vehicle Structures &amp; Systems (IJVSS)</i>, 13(4). DOI:10.4273/ijvss.13.4.18</li> <li>5. Vinoth Kumar, M., Balasubramanian, V., Effect of current pulsing on super 304HCu weld joints (2019). <i>World Journal of Engineering</i>, 16(6), pp.814-822. DOI: 10.1108/WJE-07-2019-0207</li> </ol>		
<b>Awards and Honours</b>		
1.	Gold Medalist for “University First Rank” in M.E (Welding Technology) from Anna University, Chennai.	
2.	“Venus Wires Award” for the best technical paper on stainless steel application presented by Indian Institute of Welding (IIW), at International Congress held at New Delhi, India.	

6. Mallieswaran, K., Rajasekaran, S., Vinoth Kumar, M., and Rajendran, C., Steel shot peening effects on friction stir welded AA2014-T6 aluminum alloys (2022). *Materials Testing*, 64(8), pp.1202-1213. DOI:10.1515/mt-2021-2173
7. Rajendran, C., Vinoth Kumar, M., Sonar, T. and Mallieswaran, K., Investigating the Effect of PWHT on microstructural features and fatigue crack growth behavior of friction stir welded AA2024-T6 aluminum alloy joints (2022). *Forces in Mechanics*, 8, pp.100107. DOI: 10.1016/j.finmec.2022.100107
8. Hariram, V., Saravanan, A., Nadanakumar, V., Vinoth Kumar, M., Balachandar, M., John, J.G., Seralathan, S. and Vasudev, K.L., Optimized Grapeseed Biodiesel Production and its Effect on the CI engines Combustion Characteristics at Variable Compression Ratios (2022). *International Journal of Vehicle Structures & Systems*, 14(2). DOI:10.4273/ijvss.14.2.19
9. Hariram, V., Venkatesh, K., Saidev, M.V., Mahesh, S., Vinothkumar, M., Rao, K.K., Seralathan, S. and Premkumar, T.M., Vehicle Body and Roll Cage Assessment involving Frontal, Side and Roll-over Crash Analysis by FEA using LS-Dyna (2021). *International Journal of Vehicle Structures & Systems (IJVSS)*, 13(4). DOI:10.4273/ijvss.13.4.18
10. Vinoth Kumar, M., Balasubramanian, V., Effect of current pulsing on super 304HCu weld joints (2019). *World Journal of Engineering*, 16(6), pp.814-822. DOI: 10.1108/WJE-07-2019-0207