


## Faculty Profile

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|   | <b>Dr. A. KRISHNAKUMARI</b>   | <b>Academic Credentials</b> <ul style="list-style-type: none"> <li>• Under-Graduation: B.E (Mechanical Engineering)</li> <li>• Post-Graduation: M.E (CAD)</li> <li>• Doctoral Degree: Ph.D. (Mechanical Engineering)</li> <li>• Professional Certification in Data Science &amp; ML (Purdue University -USA)</li> </ul> |
| <b>Designation</b>   | <b>Professor</b>  | <b>Experience</b> <ul style="list-style-type: none"> <li>• Teaching - 25 Years</li> <li>• Industry - 1 Years</li> </ul>   |
| <b>E-Mail ID:</b>  | akkumari@hindustanuniv.ac.in  |   |
| <b>Scopus</b>  | <a href="https://www.scopus.com/authid/detail.uri?authorId=55631304700">https://www.scopus.com/authid/detail.uri?authorId=55631304700</a>           | <b>Research Areas</b> <ul style="list-style-type: none"> <li>• Machine Learning</li> <li>• Artificial Intelligence</li> <li>• Vibration</li> <li>• Condition Monitoring</li> </ul>  |
| <b>Google Scholar</b>  | <a href="https://scholar.google.co.in/citations?hl=en&amp;user=uF1RLxEAAAAI">https://scholar.google.co.in/citations?hl=en&amp;user=uF1RLxEAAAAI</a> |   |
| <b>Recent Publications</b>   |   |   |
| <ol style="list-style-type: none"> <li>1. Krishnakumari A, M Saravanan et. al., 2022, Investigation on the Properties of Multiwall Carbon Nanotube, Graphene, and Fullerene-Reinforced Hot-Extruded AA7075 Matrix Composites, Journal of Nanomaterials 2022.</li> <li>2. Krishnakumari A et. al., 2022, Investigating the influence of nanoparticle disbonded phase changing material (NDPCM) on the working of solar PV, Materials Today: Proceedings 56, 1341-1346</li> <li>3. Krishnakumari A, M Saravanan, 2021, 'A hybrid surface modification by ND Yag laser in Austenitic Steels for wear and corrosion resistance', Lasers in Manufacturing &amp; material Processing, Springer Link, (IM-2.0)</li> <li>4. Krishnakumari A, D Ramya, 2021, Investigating the influence of nanoparticle disbonded phase changing material (NDPCM) on the working of solar PV, Materials proceedings. Elsevier.</li> <li>5. Krishnakumari A, Viswanathan, 2021, Prediction model for wheel loading in grinding using vibration analysis and ANN, International journal of robotics and automation. (IM-0.93)</li> </ol> |   |   |
| <b>Awards and Honours</b>  |   |   |
| 1.   | Received fund from US Caterpillar Grant at Anna university in 2011.   |   |
| 2.   | Recognized Ph.D Supervisor registered under Anna University , Ref. ID – 2520064   |   |
| 3.   | <b>Best Teacher Award</b> in the year 2009 given by Easwari Engineering College   |   |
| 4.   | <b>Outstanding Lecturer Award</b> in the year 2001 given by Sriram Engineering College  |   |