

## **Faculty Profile:**

### **Dr. A. KRISHNAKUMARI**

Professor,  
Hindustan Institute of Technology and Science  
[akkumari@hindustanuniv.ac.in](mailto:akkumari@hindustanuniv.ac.in)



Experience: 20+ years

Research area: Vibration, Condition Monitoring, Artificial Intelligence, Fault Diagnosis, Tribology.

### **Recent Publications:**

Krishnakumari A, Saravanan M et. al”, 2020, “Vibration Condition Monitoring of Spur Gear Using Feature Extraction of EMD and Hilbert–Huang Transform”, Intelligent Manufacturing and Energy Sustainability, Springer link book chapter, vol.169, pg.no.133-145.

Krishnakumari A, Susai Mary. J, Sai Balaji M.A et. al. 2019, “Monitoring of drill runout using Least Square Support Vector Machine classifier”, Measurement, Elsevier, vol. 146. Pg: 24 - 34.

Krishnakumari A, M Saravanan, N Venkateshwaran, A Devaraju, sarvesh J , 2018, ‘A Review on recent progress in coatings on AISI Austenitic Stainless Steel’, Materials Today Proceedings (Elsevier), Vol. 5 (6), pp.14392.

Krishnakumari A, A Devaraju, M Saravanan, 2018, ‘Evaluation of mechanical properties of hybrid root fiber reinforced polymer composites’, Materials Today Proceedings (Elsevier), Vol. 5 (6), pp.14560.

Krishnakumari A, M Saravanan, N Venkateshwaran, A Devaraju, 2018, ‘Tribological Behavior of Thin Nano Tungsten Carbide Film Deposited On 316l Stainless Steel Surface’, Surface Review and Letters, Vol. 25 (8), (IM-0.734)