

Biosketch

Faculty Name:



Areas of Interest:

Ceramics, Composites, Welding, Nano-Manufacturing

Education

- Ph.D., Indian Institute of Technology, Madras
- M.E., Anna's University Chennai
- B.E., Bharathidasan University, Tiruchirappalli

Academic/Industrial Experience

1. Professor, Mechanical Engineering, IIT Delhi, 2017-Present
2. Associate Professor, Mechanical Engineering, IIT Delhi, 2010-2016
3. Assistant Professor, Mechanical Engineering, IIT Delhi, 2005-2010
4. Postdoctoral Fellow, Tokyo Institute of Technology, Japan, 2002-2004

Selected Publications

1. S Aravindan, B Krishnamoorthy (1999), Joining of ceramic composites by microwave heating *Materials Letters* 38 (4), 245-249 (Citation-76, Impact factor-2.4)
2. M Yoshino, S Aravindan (2004), Nanosurface fabrication of hard brittle materials by structured tool imprinting, *Transactions of the ASME-B-Journal of Manufacturing Science and Engineering* 126, 4760-765 (Citation 36, Impact factor-1.9)
3. P Sanjaya, S Aravindan, A Nooral Haq (2007) Effect of friction welding parameters on mechanical and metallurgical properties of ferritic stainless steel, *The International Journal of Advanced Manufacturing Technology* 31 (11), 1076 -1082 (Citation-70, Impact factor-1.7)
4. K Rajkumar, S Aravindan (2009), Microwave sintering of copper-graphite composites, *Journal of Materials Processing Technology* 209 (15), 5601-5605. (Citation-95, Impact factor-2.7)
5. Kannayyan Prasanna, Sivaraman Aravindan, P Venkateswara Rao (2012) Grinding of magnesium/Y2O3 metal matrix composites, *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture* 226,10,1675-1683 (Citation 30, Impact factor-1.9)
6. A Gnanoum, S Aravindan, PV Rao, M Yoshino (2016) Structured Surfaces for Generation of Negative Index of Refraction Critical Reviews in Solid State and Materials Sciences,41,5,367-385 (Impact factor-5.5)

Other Details: