



## About

- [About Us](#)
- ▶ [Co-Curricular Activities](#)
- [GPS Mechanical Department](#)
- ▶ [Awards](#)
- [Gallery](#)

## People

- [HOD](#)
- [Faculty](#)
- [Staff](#)
- ▶ [Students](#)
- ▶ [Past members](#)

## Research

- [Broad Areas](#)
- [Laboratories](#)
- [Publications](#)
- ▶ [Consultancy/Projects](#)
- [Research highlights](#)
- [Significant research](#)
- [Business Incubation Activities](#)
- [International Collaborations](#)

[Home](#)

## Aravindan, S



### Areas of Interest:

Ceramics, Composites, Welding, Nano-Manufacturing

### Education

- Ph.D., Indian Institute of Technology, Madras
- ME, Annamalai University Chidambaram
- BE, 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, 2006-2010
4. Postdoctoral Fellow, Tokyo Institute of Technology, Japan, 2002-2004

### Selected Publications

1. S Aravindan, R Krishnamurthy (1999), Joining of ceramic composites by microwave heating *Materials Letters* 38 (4), 245-249 (Citation-70, 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, 4,760-765 (Citation 30, Impact factor-1.9)
3. P Sathiy, S Aravindan, A Noorul 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. Kannayiram Ponappa, Sivanandam 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 Goswami, 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)

For more information, please go to <http://web.iitd.ac.in/~aravindan/>

## Academics

- [Academic Programmes](#)
- [Curriculum](#)

## Jobs

- [Faculty Recruitment](#)
- [Project Staff](#)
- [T & P \(for IIT\)](#)

## Archives

- [PhD defened during current academic year](#)
- [PhD Degree Awarded](#)

## Resources

- [Mechanical Library](#)

## ME Newsletter

- [Newsletter](#)