

## CURRICULUM VITA

**Name:** Amitesh Kumar

### **Educational Qualification:**

<u>Year</u>	<u>Degree</u>	<u>Subject</u>	<u>University</u>
2005	MTech	Mechanical Engineering	IIT Kharagpur
2000	BSc(engg.)	Mechanical Engineering	MIT Muzaffarpur

### **Working Experience:**

<u>Year</u>	<u>Place of Work</u>	<u>Designation</u>
30/11/2009 - Present	NIT Rourkela	Assistant Professor

### **List of Publications:**

1. Kumar, A., Roy, S., "Development of a theoretical process map for laser cladding using three dimensional conduction heat transfer model", Numerical Heat Transfer, Part A, 56(6) (2009) 478- 496, doi: 10.1080/10407780903266489
2. Kumar, A., Roy, S., "Effect of three-dimensional melt pool convection on process characteristics during laser cladding", Computational Materials Science, 46 (2009) 495–506, doi:10.1016/j.commatsci.2009.04.002
3. Kumar, A., Roy, S., "Melting of steel spherical particle in its own liquid: application to cladding", Journal of Thermophysics and Heat Transfer, 23(4) (2009) 762-772, doi: 10.2514/1.43112
4. Kumar, A., Roy, S., "Heat Transfer Characteristics During Melting of a Metal Spherical Particle in its Own Liquid" International Journal of Thermal Sciences, 49 (2010) 397-408, doi: 10.1016/j.ijthermalsci.2009.07.011
5. Kumar, A., Roy, S., "Melting Of A Solid Sphere Placed In An Infinite Medium — Effect Of Forced Convection", Numerical Heat Transfer, Part A, 55 (2009) 594–609, doi: 10.1080/10407780902815807