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### **I. Particulars of Educational Qualification :**

- 1) Studied B.E. in Regional Engineering college, Sambalpur university, 1997
- 2) Studied M.E in Design and production of Thermal Power Equipment, National Institute of Technology, 2006.
- 3) Ph.D in Metallurgical and Material Engineering, National Institute of Technology, 2014

### **II. Title of Ph.D. Thesis**

:  
**ABRASIVE WEAR BEHAVIOUR OF FIBER AND PARTICULATE FILLER  
REINFORCED POLYMER MATRIX COMPOSITES**

**IV. Academic Experience** : Teaching – 13.3 Years

### **VI. List of Publications** :

#### **I) INTERNATIONAL JOURNALS: 08**

- 1) S.P. Kumaresh Babu, C.Anand Chairman, N. Mohan, Siddaramaiah, (2010) ‘Investigation on Two-Body Abrasive Wear Behavior of Tungsten Carbide Filled Glass Fabric-Epoxy Hybrid Composites’, Advanced Materials Research, Vol.123-25, pp.307-310, ISSN 1662-8985 (online)
- 2) C.Anand & S.P.KumareshBabu. (2012) ‘Three-Body Abrasive Wear Behavior of Basalt and Glass Fabric Reinforced Epoxy Composites’, Applied Mechanics and Materials, Vols. 121-126, pp. 534-538, ISSN: 1662-7482 (online).
- 3) C.Anand & S.P.KumareshBabu, (2012), ‘Influence of titanium carbide on the three-body abrasive wear behaviour of glass-fabric reinforced epoxy composites’, Advances in Materials, Vol.1 No 1: pp. 9-15, 167-178. ISSN: 2327-2503.

- 4) C.Anand & S.P.KumareshBabu,(2013) ‘Mechanical and abrasive wear of glass and basalt fabric reinforced epoxy composites , Journal of Applied polymer science, Vol:130 No:02, pp 120-130, ISSN: 0021-8995 (online)
- 5) C.Anand Chairman, S. P. Kumaresh Babu, Muthukannan DuraiSelvam,, K.R.Balasubramanian (2015) , ‘Investigation on two-body abrasive wear behavior of titanium carbide filled glass fabric-epoxy composites- a Box-Behnken approach, International Journal of Engineering Science and Technology, vol. 3, no. 4, pp. 119-129. ISSN: 2141-2839.
- 6) C.Anand chairman, D.Srinivasan (2018) , ‘Three body abrasive wear behaviour of TiO<sub>2</sub> filled basalt fabric reinforced epoxy composites’ Taga Journal Of Graphic Technology, Vol.14, pp. 1663-69, ISSN: 1748-0345.
- 7) M.SikkandarBasha,V.Vettrivel,M.Viswanath,L.Arivalagan,C.AnandChairman(2018) “Properties of chopped glass fibre and basalt fibre reinforced epoxy composites” International Journal of Advance Research Aand Innovative Ideas in Education,Vol-4 Issue-2 2018, pp 3096-3108, ISSN: 2395-4396.
- 8) V.Ashwin kumar,T.Aravind,R.Durai,D.Edison kanickai raj,C.Anand chairman” (2018) “Mechanical Properties of Titanium Carbide Powder Filled Epoxy Composites” International Journal of Advance Research and Innovative Ideas in Education, Vol-4 Issue-2 2018, pp 2103-08,ISSN: 2395-4396.

## **II) BOOK CHAPTER : 01**

- 1) C. Anand Chairman and S. P. Kumaresh Babu, “Corrosion Studies of Basalt Fabric Reinforced Epoxy and Polyester Plain-Weave Laminates”, Published in Micro- and Nanostructured Polymer Systems: From Synthesis to Applications, chapter 18, pp. 306-310, 2015, ISBN 9781771881005

## **III) INTERNATIONAL CONFERENCE : 12**

- 1) C.Anand Chairman, S.P.Kumaresh Babu, N.Mohan, P.Durai Selvam (2010) ‘Investigation on two-body abrasive wear behavior of titanium carbide filled glass fabric-epoxy composites, International Symposium For Research Scholars, organized by

Department of Metallurgical and Materials Engineering, IIT Madras, Chennai, December 20-22, 2010

- 2) S.P.Kumaresh Babu, C.Anand Chairman, N.Mohan and Siddaramaiah., (2010) ‘,Third International conference on Multi-functional Materials and Structures-MFMS 2010, September 15~17, 2010 Jeonju, Korea.
- 3)C.Anand chairman, S.P.Kumaresh Babu, N.Mohan and S.Natarajan, (2010) ‘.Sliding wear behavior of tungsten carbide filled glass-epoxy composites at elevated temperatures ‘International Conference on Recent Trends in Materials Science and Technology, Trivandrum (ICMST 2010), Organized by the organized by IIST, jointly with Materials Research Society of India (MRSI), Thiruvananthapuram, October 29-31,2010,
- 4) N.Mohan, S.Natarajan S.P.Kumaresh Babu,C.Anand Chairman,,RajendraS, (2010) “Investigation on two-body abrasive wear behavior of tantalum niobium carbide filled glass fabric-epoxy composites”, International Conference on Recent Trends in Materials Science and Technology, Trivandrum (ICMST 2010), Organized by the organized by IIST, jointly with Materials Research Society of India (MRSI), Thiruvananthapuram, October 29-31,2010.
- 5) C.Anand Chairman, S.P.Kumaresh Babu, S.Natarajan, N.Mohan (2011) “Dry sliding wear behavior of TiO<sub>2</sub> filled E-glass fabric reinforced epoxy composite material”, First International conference on composites and Nano-composites.-ICNC-2011, Organized by the Mahatma Gandhi University, Kottayam,January 7-9, 2011.
- 6) Kundan Lal, S.P.Kumaresh Babu, S.Natarajan, N.Mohan, C.Anand Chairman. (2011) “Effect of UHMWPE filler on dry sliding wear behavior of Aramid fabric reinforced epoxy composite material”, First International conference on composites and Nano-composites.-ICNC-2011, Organized by the Mahatma Gandhi University, Kottayam,January 7-9, 2011.
- 7) C.Anand Chairman, S.P.Kumaresh Babu, (2012) ‘Two Body Abrasive Wear Behaviour of Basalt Fabric Reinforced Epoxy and Polyester Composites, International Symposium For Research Scholars, organized by Department of Metallurgical and Materials Engineering, IIT Madras, Chennai, December 13-15, 2012

- 8) C Anand Chairman. and S. P. Kumaresh Babu (2012) "Three-body abrasive wear behaviour of basalt fiber reinforced epoxy and vinyl-ester Composites" Third Asian Symposium on Materials & Processing, IIT Madras, India, August 30-31, 2012
- 9) C.Anand Chairman, S.P.Kumaresh Babu, S.Natarajan (2012) 'Corrosion and Abrasive Wear Studies of Basalt Fabric Reinforced Epoxy Composites' Sixth International Conference on Surface Modification Technologies, held at Ecole Centrale de Lyon, Ecully, France, June 20 - 22, 2012.
- 10) C.Anand chairman, S.P.Kumaresh Babu, (2015) 'Erosive Wear of Bi-directionally oriented Basalt fiber reinforced matrix composites International Conference on Advances in Materials, Manufacturing and Applications, April 9-11, 2015 - NIT, Trichy  
[http://conference.bonfring.org/papers/nit\\_amma2015/amma349.pdf](http://conference.bonfring.org/papers/nit_amma2015/amma349.pdf)
- 11) C.Anand chairman and S.Raghuvaran (2017) Three body abrasive wear behavior of TiO<sub>2</sub> filled basalt fabric reinforced epoxy composites International Conference On Recent Advances in Mechanical Engineering (ICRAME2017) at Kingston Engineering College,vellore September 1 &2 2017
- 12) C. Anand chairman, S. P. Kumaresh Babu, D. Srinivasan (2018), Three Body Abrasive Wear of Basalt Fabric Reinforced Polyester and Vinyl Ester Composites" International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering systems (CDAMIES 2018) organized by National Institute of Technology, Tiruchirappalli.18-20 January 2018.