



Dr Sanjay Kumar S M

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Expertise

Agronomy

Dr. Sanjay Kumar S M is currently working as Associate Professor in the Department of Mechanical Engineering, SJB Institute of technology, Bengaluru. He is graduated from PES College of Engineering, Mandya and obtained Master's degree(Machine Design) from SJC Institute of Technology, Chickballapura and received Ph.D In Mechanical Engg. from Jawaharlal Nehru Technological University, Anantapuram. He has an academic experience of about 18 years and 2 years of industrial experience. He has presente

Work experience

1. SJB Institute of Technology 2016 — Present

Associate Professor
Karnataka

Education

1. Ph.D - 2015

JNTUA

2. B.E (Mechanical) - 1998

PES college of Engineering, Mandya

Honours and Awards

1. Best paper award - 2010

NHCE, Bengaluru

Research Project

“INVESTIGATION ON THE INFLUENCE OF NANO FILLERS ON ARECA FIBER REINFORCED WITH HYBRID COMPOSITES FOR AUTOMOTIVE APPLICATION”

Role: SPP

Year 2018, Amount 8000

Publication

1. Tribological behaviour of areca fiber reinforced with hybrid composites

SM Sanjay Kumar, R Naveen Kumar

Materials Today: Proceedings, Volume 46, Year 2021, Pages 4840-4846

2. Re-design and Analysis of Brick Trolley

Sanjay Kumar S.M.;Vinay Kumar S.;Manoj Bevoor R.;Chirayu L.J.;Uday A.

Lecture Notes in Mechanical Engineering, Volume , Year 2021, Pages 91-101

3. Machinability studies of Aluminium-7075 alloy based hybrid composites

Sanjay kumar S M, Raghu tilak Reddy

Materials Today: Proceedings, Volume , Year 2021, Pages

4. Effect of chromium on mechanical and corrosion behaviour of ferrous metal matrix composites by using powder metallurgy route

Sanjay kumar S M, H R Vitala, Dileep B P

INCOME 2021, Volume , Year 2021, Pages

5. Mechanical Properties of Sandwiched Layers of Natural Fibers of Sisal and Jute for Automotive Application

Sanjay kumar S M, Tilak kumar

IRJET, Volume 8, Year 2021, Pages 372-375

6. Optimal Design and Analysis of Impact Energy of Automobile on Environment

Sathish S, Ramarao M , Sanjay Kumar S M, Varatharaju Perumal, Ram Subbiah, Amol Mangrulkar L
Design Engineering, Volume 7, Year 2021, Pages 2104-2111

7. **Mechanical Properties of sandwiched layers of natural fibres of Sisal and Jute for automotive application - A review**

Tilak Kumar, Dr.Sanjay kumar S M, Dr. Madhusudhan T
ICAMME 2021, Volume , Year 2021, Pages

8. **Vibrational Study of Labyrinth Seals for Turbomachines**

Sanjay kumar S M, Suresh c
Advances in Engineering Design and Simulation, Volume , Year 2020, Pages 133-145

9. **Redesign and analysis of Brick Trolley**

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ICOFTIME 2020, Volume , Year 2020, Pages

10. **Study and experimentation about machinability of AL7075 composite**

Sanjay kumar S M, Raghu tilak Reddy
Int. Journal of scientific research in Computer science , Engg. and ITand Tech, Volume 4, Year 2019,
Pages 973-988

11. **Tribological properties on aluminium (LM25) reinforced with boron carbide and tungsten carbide**

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International Journal of Mechanical and Production Engineering Research and Development (IJMPERD),
Volume 9, Year 2019, Pages 1099-1110

12. **Automatic Traffic control by piezoelectric Generators integrated with PLC photoelectric sensors and traffic lights**

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NCTTMT 2019, Volume , Year 2019, Pages

13. **Effect of various combustion chamber design for biodiesel operated CI**

Sanjay kumar S M
NCTTMT 2019, Volume , Year 2019, Pages

14. **A Review on Aluminium (LM 25) reinforced with Boron Carbide (B4C) & Tungsten Carbide (WC) Hybrid metal matrix composite for Automotive Applications**

Sanjay kumar S M, Harish kumar
Int. Rresearch Journal of Engg. and Tech, Volume 5, Year 2018, Pages 523-527

15. **A Review on Microstructure and Mechanical Properties of Silicon Nitride Reinforced AMMC Using Stir Casting Method**

Sanjay kumar S M, Anjan kumar
Int. Rresearch Journal of Engg. and Tech, Volume , Year 2018, Pages 102-107

16. **Fabrication of Suspension in Rear Seats of Buses**

Sanjay kumar S M, Raghu tilak Reddy
International Journal of Technical Innovation in Modern Engineering & Science, Volume 4, Year 2018,
Pages 1092-1098

17. Tool Design And Its Validation For The Truck Panel

Sanjay kumar S M
NIRC 2018, Volume , Year 2018, Pages

18. Vibration Monitoring of Batch Off Mill in a Tyre Manufacturing Plant

Sanjay kumar S M
IEEE ROMA 2018, Volume , Year 2018, Pages

19. Study of machinability characteristics on E-glass and Tungsten Carbide Reinforced Al 7075

Sanjay kumar S M
ICERTMCE 2017, Volume , Year 2017, Pages

20. Design and formability analysis of Fender component.

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IJERT, Volume 5, Year 2016, Pages 330-332

21. Design of press tool for bottom tank in an air condition unit.

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IJERT, Volume 5, Year 2016, Pages 339-341

22. Design of press tool for bottom tank in an air condtion unit

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ICESMART 2016, Volume , Year 2016, Pages

23. Design and formability analysis of Fender component

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24. ."Thermal analysis of Aluminium- Graphite heatsink" .

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IJERT, Volume 3, Year 2015, Pages 1065-1069

25. "Analysis of Air- Cleaner for an Automobile subjected to different Engine loads.

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IJERT, Volume 3, Year 2015, Pages 1121-1124

26. Analysis of Air- Cleaner for an Automobile subjected to different Engine loads

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ICESMART 2015, Volume , Year 2015, Pages

27. Thermal analysis of Aluminium- Graphite heatsink

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ICESMART 2015, Volume , Year 2015, Pages

28. Design of bending tool for switch disconnector fuse

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TIME 2015, Volume , Year 2015, Pages

29. Tool performance of drill bit by surface coating technique

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TIME 2015, Volume , Year 2015, Pages

30. Mold filling Analysis of headlight cover

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NCETEM-2014, Volume , Year 2014, Pages

31. Corrosion-Erosion Wear Analysis Of Al/Sic Metal Matrix Composites By Taguchi's Technique

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IJAET, Volume 4, Year 2013, Pages 23-26

32. "Creep life prediction of steam turbine blade using Finite Element Method"

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IJAERS, Volume 1, Year 2012, Pages 95-98

33. "Corrosion Rate & Tensile Strength Of Aluminum / Sic Metal Matrix Composites In Seawater" , IJAERS, Vol. I, Issue III, April-June, 2012/203-206. Studies, ISSN-2249-8974

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IJAERS, Volume 1, Year 2012, Pages 203-206

34. "Investigation Of Corrosive-Wear Of Al/Sic Metal Matrix Composites By Using Taguchi's Approach

Sanjay kumar S M, D P Girish, K.Prahlad rao,
ICCOMIM 2012, Volume , Year 2012, Pages

35. ."Effect Of Sic Particulate On The Ageing Behavior Of Al/Sic Metal Matrix Composites"

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IJMAE, Volume 18, Year 2011, Pages 01-06

36. Transitions in the sliding wear resistance of SiC particle reinforced Aluminium alloy

Sanjay kumar S M, D P Girish, K.Prahlad rao,
1."Transitions in the sliding wear resistance of SiC particle reinforced Aluminium alloy", presented at NMAMIT, Nitte on 3rd & 4th May 2011, Volume , Year 2011, Pages

37. ."Transitions in the sliding wear resistance of SiC particle reinforced Aluminium alloy"

Sanjay kumar S M
IJOMS, Volume 6, Year 2011, Pages 303-312

38. Degradation Of Mechanical Properties Of Aluminum / Sic Metal Matrix Composites In Seawater

Sanjay kumar S M
ICAM2011, Volume , Year 2011, Pages

39. Effect Of Sic Particulate On The Ageing Behavior Of Al/Sic Metal Matrix Composites

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ICAM 2011, Volume , Year 2011, Pages

40. Synthesis, Synthesis, Characterization, Miscibility and Specific Interaction of Methyl Methacrylate and 2-Ethoxy Ethylmethacrylate Co-polymer and its Blend with Poly (4-vinyl phenol)

Sanjay kumar S M, Manju M
ICACM 2011, Volume , Year 2011, Pages

41. Corrosion Of Aluminum / Sic Metal Matrix Composites In Seawater

Sanjay kumar S M
RTMCE 2011, Volume , Year 2011, Pages

42. Optimization of Refrigerator Structure using FEM

Sanjay kumar S M, Mahesh. M
NCIDM 2010, Volume , Year 2010, Pages

43. Creep Life prediction of Steam Turbine Blade Under Varying operating condition

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NCIDM 2010, Volume , Year 2010, Pages

44. Design of Discharge Seal Cap for Auto Air condition System

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NCASHME 2010, Volume , Year 2010, Pages