




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.

DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Name	Dr. MANOHAR H S	
Designation	PROFESSOR & HOD	
Educational Qualification	BE., M.Tech.(MMD), Ph.D.	
Experience in Years	10 Years 6 Months	
Area of Interest	Metal Matrix Composites, Nano & Hybrid Composites, Design, Fracture Mechanics and Vibrations.	
Email ID	dr.manoharphd@gmail.com dr.manohar2704@gmail.com	

Educational Details

- Ph.D.– 2014- Jawaharlal Nehru Technological University Ananthapur, Anantapuramu, Andhra Pradesh, India.
- M.Tech. – 2007 – Visvesvaraya Technological University, Belagavi, Karnataka, India.
- B.E. –2005 – Visvesvaraya Technological University, Belagavi, Karnataka, India.

Personal Details

- **Date of Birth:** 27/04/1983
- **Hobbies:** Reading Books, playing Cricket, etc.
- **Languages Known** – Kannada, English, Hindi, Telugu

Professional Experience

- Worked as: Sr.Lecturer in M.V.J.C.E from March 2008 to 10th July 2010
- Worked as: Asst. prof , in CMR Institute of Technology, Bangalore, from 14th July 2010 to 30th July 2013
- Worked as: Associate Professor & HOD (M.Tech and Research Center),in SEA College of Engineering & Technology, Bangalore, from 5th Aug 2013 to 27th July 2018
- Working as: Associate Professor in D.S.A.T.M from 20th August to Till Date

Publications

International Journals:

- H.S. Manohar, N.Chikkanna, B.UmaMaheswarGowd, and M.Krishna, “**Effect of Heat Treatment on Damping Properties of Nanoclay Particulate Reinforced MMCs**”, **International Journal of Recent Technology and Engineering**, IJRTE, Volume-1, Issue-1, April 2012, PP.38-42.
- H.S. Manohar, N.Chikkanna,andB.UmaMaheswarGowd, “**Effect of Addition of Nanoclay on Machinability of Al/Nanoclay Metal Matrix Composites** “**International Journal of Engineering Research and Applications**,IJERA,Vol. 2, Issue 5, September- October 2012.

- N. Krishnamurthy¹, H. S.Manohar¹M. S. Prashanthareddy,²and H. P. Raju,³“A Study of Parameters Affecting Wear Resistance of Alumina and Ytria Stabilized Zirconia Composite Coatings on Al-6061 Substrate” **International Scholarly Research, Network, ISRN Ceramics**, Volume 2012, Article ID 585892, 13 pages doi:10.5402/2012/585892.
- G.V Krishna Reddy, N.Chikkanna, H.S Manohar, B.UmamaheswarGowd, "**Experimental Evaluation of Thermal Transport Characteristics of MMC's for heat Sink Material for Electronics Cooling**" **International Journal of Advanced Engineering and Nano Technology (IJAENT)** ISSN: 2347-6389, Volume-1, Issue-4, March 2014
- G.V Krishna Reddy, H.S Manohar, N.Chikkanna, B.UmamaheswarGowd, “**Evaluation and Enhancement of Thermal Transport Characteristics of Metal Matrix Composites and Contact Interfaces**” **International Journal of Emerging Science and Engineering (IJESE)** ISSN:2319-6378, Volume-2, Issue-5, March 2014.
- KG.Srinivas¹, N.Chikkanna², Manohar.HS³“**Optimize the Casting Process Parameters for Mechanical Properties of Al/Carbon Black MMCs by Statistical Technique**” : **International Journal of Research in Engineering & Technology (IMPACT: IJRET)** ISSN(P): 2347-4599; ISSN(E): 2321-8843 Vol. 5, Issue 2, Feb 2017, 1-8
- ¹K.G.Srinivas, ²N.Chikkanna, ³Manohar.H.S, ⁴Sreenivasa Reddy, “**Effect of Carbon Black Content on Coefficient of Thermal Properties of Al/Carbon Black Composites**” **International Journal of Mechanical Engineering**; ISSN Print: 2319-2240; ISSN Online: 2319-2259.
- KG.Srinivas¹, N. Chikkanna², Manohar.HS³ “ **Effect of Ageing Temperature on Fatigue Behavior of Carbon Black Reinforced Aluminium Composites**” **International Academy of Science, Engineering and Technology**” Volume 6, Issue 2, Feb 2017
- ^[1]Dr.Manohar H S, ^[2]Lakshmikanth C, ^[3]Puneeth Kumar M V “**Investigating the effect of reinforcement on corrosive erosive properties of Al/Nanoclay Metal matrix composites**” **International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE)** Vol 2, Issue 5, May 2017, ISSN (Online) 2456-1290
- ^[1]Srinivas Reddy Mungara, ^[2]Dr.Manohar H S, ^[3]Thimmaraju L H “**Effect on Addition of Reinforcement on Mechanical Properties of Al7050/B4C Metal Matrix Composites**” **International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE)** Vol 2, Issue 5, May 2017, ISSN (Online) 2456-1290
- ^[1]Dinesh M, ^[2]Niranjan.G, ^[3]Dr.Manohar HS “**Fabrication and Investigation on Hardness Behaviour of Aluminium Hybrid Metal Matrix Composites (Al8010 Reinforced with TIC and Nanoclay Particles)**” **International Journal of Engineering Research in Mechanical and Civil Engineering(IJERMCE)** VOI2, Issue 9, September 2017, ISSN (Online) 2456-1290.

International Conferences:

- H.S. Manohar¹, N.Chikkanna², B.UmaMaheswar Gowd³ “**Effect of addition of nanoclay on Wear behaviour of Al/nanoclay Metal Matrix Composites**” **Recent Advances in Material Science (RAMS-2012)**, 6-8 November 2012,PP85

- N.Chikkanna¹, H.S. Manohar², B. Uma Maheswar Gowd³ “Effect of Heat treatment on Micro-hardness & Electrical properties of Nanoclay Particulate Reinforced MMCs” Recent Advances in Material Science (RAMS-2012), 6-8 November 2012, PP 86-87. (Awarded as **Best Orally Presented Paper of the Conference RAMS-2012**)

Awards / Citations / Credentials

- **Best Teacher Award** from the Department of Mechanical Engineering for the Academic Year 2008-09 at MVJ College of Engineering, Bangalore.
- **Third Prize for Best Project Work under VTU** for the Academic Year 2010-11 conducted at Reva Institute of Technology, Bangalore.
- **Received best orally presented Paper certificate** at International Conference on Recent Advances in Material Science -RAMS-2012.
- Authored a book on **FINITE ELEMENT METHODS** for 6th semester Mechanical Engineering Students.
- Authored a book on **ELEMENTS OF MECHANICAL ENGINEERING** for 1st semester Mechanical Engineering Students.

Academic Activity

- Developed R&D Center which involves in Synthesis and Characterization of Metal Matrix and Hybrid Metal Matrix Composites at SEA College of Engineering & Technology.
- Supervising 5 Students For Ph.D Program Under VTU
- Organized Workshop on “Solar and Smart Energy Systems” held during 19-20, September 2014 at SEA College of Engg., & Technology, Bangalore (co-organized with Placement Cell) (2 days).
- Convener of VTU-VGST sponsor FDP on “Finite Element Methods in Structural Mechanics”, held during 5-8, August 2013 at SEA College of Engg., & Technology, Bangalore (4 days).
- CO-Organizer of one-day Workshop on “Manufacturing Excellence” held on 24th November, 2009 at MVJ College of Engineering, Bangalore (1 day).

Faculty Development Activity

- Took part in FDP and Workshops organized at various Engineering colleges.
- Organized various activities like FDP, Seminars, workshops in Department

Administrative Activity

- Has been involved in setting up of laboratories in Department at CMR Institute of Technology.
- Has Set up R&D Center on Metal Matrix composites & Hybrid Metal Matrix Composites at SEA College of Engineering & Technology
- Headed Department of PG (M.Tech in Machine Design) and Research Center in SEA College of Engineering & Technology

Professional Membership

- M.I.S.T.E
- IEI

Contact Details

Dr. MANOHAR .H.S

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Objective/ Strengths/Interests

- To serve the organization with dedication for innovation in education, research technology & management, to share my rich experience and provide the best development plans for the overall development of the organization and the students for the welfare of our global society.
- Characterized by excellence, innovation thinking, multi-subject expertise and information, rich experience and education, handle multiple work with minimum time, thinking analytical, questioning, innovation, research, administration, dedication, planning etc.
- Passionate about world class education, faculty and student career training, career guidance, organization establishment, educational development, research, training, public administration, organization setup and providing modern facilities, social development etc.