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NAME:Dr. Devendra K
Designation: Associate Professor
Department: Mechanical Engineering

DateofJoining	02/12/2024		
Professional Experience	Teaching	Industry	Research
	23 Years	-	11

ContactDetails

Email ID	
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Vidwan -ID	495594

Academic Background

- **Ph. d: Evaluation of Thermal and Mechanical Properties of E-Glass/Epoxy Composites , VTU Belagavi**
- **M. Tech: Thermal Engineering Systems Technology (TEST) , Kuvempu University, Shivamogga**
- **BE: Mechanical Engineering , Kuvempu University , Shivamogga**

Areas of Interest

- Thermal Engineering
- Composite Materials

Significant Publications

- **No. of Papers Published in Journals (Numbers and Description): 18**

1. Krishnaraddi Gangal and Devendra K (2024) " Optimization of dry sliding wear characterization of as-cast and T6 treated hypereutectic aluminium alloy(AlSiCuCe) By Taguchi technique, The Canadian Journal of Metallurgy and Materials Science , https://doi.org/10.1080/00084433.2024.2431385
2. Krishnaraddi Gangal and Devendra K (2023) 'Heat treatment effect on mechanical and wear properties of hypereutectic Al-Si-Cu-Ce alloy' Taylors and Francis, Advances in Materials and Processing Technologies,https://doi.org/10.1080/2374068X.2023.2206198
3. KrishnaraddiGangal and Devendra K (2022) Study of frictional force and volumetric wear rate of T6 heat treated Hypereutetctic Al-18Si-3, 8Cu-0.36ce alloy https://www.springer.com/series/16157
4. Dandapani and Devendra K "Thermal properties of epoxy composites with polyaniline and graphenenanofiller" Materials Today: Proceedings, Vol. 80, Part 2, 2023 Pages 1266-1271, https://doi.org/10.1016/j.matpr.2022.12.272 (science direct)

5. Dandapani and Devendra K "Thermal Properties of Graphene based Polymer Nanocomposites"Indian Journal Of Science And Technology, ISSN,Print: 0974-6846, year 2022, **Volume**: 15, **Issue**: 45, **Pages**: 2508-2514, https://doi.org/10.17485/IJST/v15i45.1824 (IJST)
6. Dandapani and Devendra K" Epoxy-Red Lead Oxide and Hybrid Composites Thermal Properties" International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878 (Online), Volume-11 Issue-4, November 2022, DOI: 10.35940/ijrte.D7335.1111422, Journal Website: www.ijrte.org, https://www.doi.org/10.35940/ijrte.D7335.1111422
7. Dandapani, Devendra K, Revennasiddappa and Vishu K R (**2022)** "Thermal Stability and Electromagnetic Interference of Epoxy-Graphene/Hybrid Composite Materials "ICRAEM2022, 3rd to 5th March 2022, Volume 66, part4 Pages 1664-1670 Materials Today Proceedings, https://doi.org/10.1016/j.matpr.2022.05.260
8. KrishnaraddiGangal and Dr. Devendra K **(2022)** "Study of frictional force and volumetric wear rate of T6 heat treated hypereutectic AI-Si alloy during dry sliding for different loads and sliding speeds" ICTMIM -2022, 24th to 25th March 2022, Material Science and Engineering.
9. Dandapani, Dr. Devendra K, and Girish S **(2021)** "Thermal Properties of Epoxy Nanoclay Composite Materials" JPCS, IOP Publishing, **Online ISSN: 1742-6596,** doi:10.1088/1742-6596/2070/1/012171,
10. KrishnaraddiGangal, Dr. Devendra K, Chandrashekargouda. M. Kaggalagoudar, **(2021)** "Study on Mechanical and Wear Properties of Hypereutectic Al-18Si-3.6Cu-0.34Ce Alloy" Material Science and Engineering, IOP Publishing, **ISSN: 0921-5093 (Elsevier), IOP Conf. Series: Materials Science and Engineering 1126 (2021) 012005 IOP Publishing**
11. K. Devendra, Girish. S and Bharath K N **(2016),** "Effect of Sodium bicarbonate on Fire behavior of filled E-Glass Reinforced Epoxy Composites", Material Science and Engineering, Vol. 149, Nov 2016, 012120 **(Elsevier), IOP Conference Series: Materials Science and Engineering, Volume 149, Issue 1, pp. 012120 (2016). doi:10.1088/1757-899X/149/1/01212**
12. K. Devendra, SudeepDeshpande, and T.Rangaswamy (**Nov 2014**)"Al_2O_3 and Granite powder filled E-Glass/Jute Fiber Reinforced Epoxy composites" IJESR, Vol.4, Issue-11, **,(UGC Approved Journal),ISSN: 2277-9655,**
13. K. Devendra and T. Rangaswamy**(2013),** "Strength Characterization of E-glass fiber Reinforced Epoxy Composites with Filler Materials", *The Journal of Minerals and materials Characterization and Engineering*, Nov 2013.**ISSN Online: 2327-4085, Indexed Journals, web of science, Google scholar**
14. K. Devendra and T. Rangaswamy**(2013),** "Thermal Conductivity and Thermal Expansion Coefficients of GFRP Composite Laminates with Fillers", Mechanica *Confab,* Vol. 2, No. 5, pp. 39-44. **ISSN: 2320-2491**
15. K. Devendra and T. Rangaswamy**(2012),** "Determination of Mechanical properties of Al_2O_3, Mg $(OH)_2$ and SiC Filled E-Glass/Epoxy Composites", *International Journal of Engineering Research and Applications (IJERA*), Vol.2, Issue- 5, pp. 2028-2033. **(UGC Approved Journal) Indexing, ISSN: 2250-3350**
16. K. Devendra and T. Rangaswamy**(2012)** "Evaluation of Thermal properties of E-Glass/Epoxy Composites Filled by Different Filler Materials", *International Journal of Computational Engineering Research (IJCER),* Vol. 2, Issue-5, pp. 1708-1714**. (UGC Approved Journal) Indexing, ISSN: 2248-9622**
17. K. Devendra and T. Rangaswamy**(2012)**, "Thermal and Fire Resistance Properties of E-Glass fiber Reinforced Epoxy Composites", *International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-ETA-ETS),* Vol. 5, Issue 1, Jan- June 2012, pp. 182-186. **ISSN: 0974-3588.**
18. K. Devendra, T.Ranaswamy and K Elangovan**(2011),** "Effect of Fillers on Mechanical and Thermal Properties of E-Glass fiber Reinforced Epoxy Composites", *Journal of Modern Manufacturing Technology,* Vol. 3, No. 2, July-Dec 2011, pp. 183-193. **ISBN: 0974-8415**

- **Book Chapters (Numbers and Description):01**

  Current Innovations In Chemical and Materials Sciences, Vol.4, ISSBN:978-81-969009-8-4, B P International, 2023

- **List of FDP's/Workshops (Numbers and Description):20**

Sl No	Name of training/workshop	Year/Duration	Organizers
1	Python Programing and its Applications	From 18th to 12th May 2023,	BIGCE, Solapur
2	Renewable Energy for Sustainable Development	From 1st to 5th March 2022	BIGCE, Solapur
3	Role of Technology For Sustainable Agriculture and Agri Entrepreneurship	From 4th to 8th October 2021	TCE, Gadag
4	Recent Advances in Smart Materials for Sensors and Energy Applications	From 6th to 19th July 2020	BMS Institute of Technology and Management, Bangalore
5	Design Thinking"	7th March 2022 to 12th March 2022	Organized by the VTU e-learning center, Mysuru and Vidyavardhaka College of Engineering, Mysuru
6	Recent Advances in Smart Materials for Sensors and Energy Applications	6th to 10th July 2020 (5 days)	BMS institute of technology and management, Bangalore
7	Light Weight Structures for Engineering Applications Through Composite and Topology"	27th Jan to 7th Feb 2020 (12 days)	GEC, Hassan
8	IEEE Workshop on Driving Innovation With IPR and Research	17 Sep 2018 1 day	VTU, Belagavi
9	Advance in Composite and Nano-Materials Technology for Design, Modeling and Production of Composite Structure	2014 (13 day)	GEC, Hassan
10	Latex and its Applications	2013 (2 days)	SKSVMACET, Laxmeshwar
11	Quantitative Research Techniques	2012 (5 days)	UBDTCE, Davangere
12	Aerospace Vehicles	2011 (3 days)	KSGI, Bangalore
13	Fracture Mechanics	2009 (1 day)	BIET, Davangere
14	Mission10X	2009 (5 days)	KLESCET, Belgaum
15	Research Methodologies and Report Writing	2009 (2 days)	GIT, Belgaum
16	Challenges in Ph. D. and M. Sc (Engg.) Research at Engineering Colleges	2008 (1 day)	MCE, Hassan
17	Computer Aided Machine Drawing	2007 (3 days)	STJIT, Ranebennur
18	True Applications of CAM in Manufacturing Industry	2006 (1 day)	BIET, Davangere
19	Gaseous Fuels for future Automobiles	2006 (2 days)	UBDTCE, Davangere
20	Applied Technology Transfer	2005 (1 day)	MCE, Hassan

- **KSCST Student Projects (Numbers and Information):02**

Sr. No.	Topic/Project	Scheme	Year	Amount details
1	8th Semester students project	KSCST, Bangalore	2022-23	4000 Rs
2	8th Semester students project	KSCST, Bangalore	2023-24	5500Rs

- **Awards/Recognition :03**

1. Acting as judge for Shodh 2022, National Level Technical Paper Presentation2022, REC, Hulikoti
2. Received the certificate of appreciation in recognition of performance and valuable contribution to academics for the year 2019-20 from the SKSVMACET Management
3. Awarded in recognition of role as mentor for the NPTEL online certification courses Jan-Apr 2016 from IIT, Madras

- **Project Guided details:20**

Achievements

- **Resource person for:** Attended as a resource person for *National Workshop on Thermal Properties of Materials* (28th January 2015) at Alva's Institute of Engineering and Technology, Moodibidri.
- **Professional Membership:** International Society for Technical education (MISTE)