

## FACULTY PROFILE

Name of the faculty	Dr. BASAVARAJ GANIGER
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## Educational Qualification

Degree	Specialization	University	Year of Passing
Ph.D	Mechanical Engineering	SIDDHARTHAUNIVERSITY	2019
M.Tech	Mechanical Engineering	VTU	2010
B.E	Mechanical Engineering	VTU	2005

## Work Experience

Teaching	Research	Industry
13	9	01

## Publications

National/International Journals	National/International Conferences	Books Authored/Edited
7	10	-

## Area of Interest

INTERNAL COMBUSTION ENGINES
REFRIGERATORS AND AIR CONDITIONERS
COMPOSITE MATERIALS
MATERIALS TRIBOLOGY

1. **Basavaraj Ganiger**, T. M. Chandrashekharaiiah, T.B. Prasad and V. R. Kabadi," Studies on relationship between wear behaviour and microstructure of a hypereutectic Al-Si alloy", Elsevier, Materials today proceedings, Vol. 5, Issue 11P3, ISSN 2214-7853, 2018, pp. 25165-25173.
2. **Basavaraj Ganiger**, T. M. Chandrashekharaiiah, Manjunath Channappagoudar, Sanjay H. M. and Deepak Kumar N Y, "Effect of capillarity tube geometry on vapour compression refrigerator performance", AIP Conference Proceedings. 2039, 020006-1–020006-7, 2018.
3. **Basavaraj Ganiger**, T. M. Chandrashekharaiiah and T.B Prasad," Modification performance of the Cu-P master alloy on commercial hypereutectic Al-24Si-Cu-Mg alloy", IJERMS, ISSN 2394-7659, 2017, pp. 1-6.
4. **Basavaraj Ganiger**, T. M. Chandrashekharaiiah and T.B Prasad" Dry Sliding Wear Behaviour of Commercial A393 alloy by the addition of Phosphorous", MacGraw Hill Education, ISBN-13: 978-93-5260-730-3, 2017, pp.69-72.
5. **Basavaraj Ganiger**, T. M. Chandrashekharaiiah and T.B Prasad, " The effect of modification of primary silicon on the Microstructure, Mechanical and Sliding Wear behavior of Commercial LM-29 cast alloy", American Journal of Material Science, Vol.5, No.3C, 2015, pp. 1-6.
6. **Basavaraj Ganiger**, T. M. Chandrashekharaiiah and T.B Prasad," Studies on the Effect of Minor addition of Phosphorous on Microstructure, Mechanical and Wear Behavior of LM-28 alloy", International journal of Industrial lubrication and tribology Vol. 67, Issue 4, 2015, pp.344-348.
7. **Basavaraj Ganiger**, T. M. Chandrashekharaiiah and T.B Prasad," Investigation on the Microstructure, Mechanical and Wear Properties of Primary Si Modified Commercial LM-30 Alloy", McGraw Hill Education, ISBN-13: 978-93-85880-75-9, 2015, pp.16-23.

## National /International Conferences

1. **Basavaraj Ganiger**, "Elevated temperature wear performance improvement in commercial hypereutectic Al-Si alloys by Cu-P addition", *National Conference on Mechanical & Tribological behaviour of Advanced Composites 8<sup>th</sup>-9<sup>th</sup> Nov. 2019, held at Brindavan College of Engineering, Bangalore.*
2. **Basavaraj Ganiger**, "Effect of capillarity tube geometry on vapour compression refrigerator performance", International Conference on Sustainable Engineering and Technology (IConSET 2018), **19<sup>th</sup> April 2018, held at ACS College of Engineering Bangalore.**
3. **Basavaraj Ganiger** and T. M. Chandrashekharaiiah, "Studies on relationship between wear behaviour and microstructure of a hypereutectic Al-Si alloy" International Conference on Advances in Materials and Manufacturing Applications (IConAMMA 2017), **Aug.17<sup>th</sup> -19<sup>th</sup>, 2017, held at Amritha School of Engineering Bangalore.**
4. **Basavaraj Ganiger**, "Dry Sliding wear behaviour of Commercial A393 alloy by the addition of Phosphorous", International Conference on Emerging Research in Civil, aeronautical & Mechanical Engineering (ERCAM 2017), **21<sup>st</sup> July 2017, held at Nitte Meenakshi Institute of Technology Bangalore.**
5. **Basavaraj Ganiger**, "Modification Performance of the Cu-P master alloy for Commercial Hypereutectic Al-24Si-Cu-Mg alloy", International Conference on Advances in Mechanical Sciences (ICAMS 2017), **3<sup>rd</sup> -5<sup>th</sup> March 2017, held at Malnad College of Engineering Hassan.**
6. **Basavaraj Ganiger**, "Investigation on the Microstructure, Mechanical and Wear Properties of Primary Si Modified Commercial LM-30 alloy", International Conference on Materials and Manufacturing Technology (ICMMT 2015), **5<sup>th</sup> -7<sup>th</sup> Nov. 2015, held at Vijaya Vithal Institute of Technology Bangalore.**
7. **Basavaraj Ganiger**, "The effect of modification of primary silicon on the Microstructure, Mechanical and Sliding Wear behavior of Commercial LM-29 cast alloy", *National Conference on Emerging Trends in Mechanical Engineering (e-TIME 2015), Aug.7<sup>th</sup> and 8<sup>th</sup>, 2015, held at Saint Joseph College of Engineering Mangaluru.*
8. **Basavaraj Ganiger** and T. M. Chandrashekharaiiah "Effect of minor addition of P on Microstructure and wear behavior of A390 alloy", International Conference on Advances in steel, Power and Construction Technology (ICASPCT 2015), **14<sup>th</sup> -16<sup>th</sup> Jan. 2015, held at O P Jindal Institute of Technology Raighrh, Chattisgarh.**
9. **Basavaraj Ganiger** and T. M. Chandrashekharaiiah, "The Effect of Minor addition of grain modifier on Microstructure, Mechanical and Wear Behavior of LM-28 alloy", Proceedings of international Conference on Advances in Light Metals and Composites (CALM -2014), **Dec. 6-7, 2014 held at SRM University, Chennai.**
10. **Basavaraj Ganiger** and T. B. Prasad, "Experimental Study on Effects of Zirconium Oxide (ZrO<sub>2</sub>) as a TBC on 4-Stroke CI Engine Performance", International Conference on "Advanced Materials, Management, Manufacturing, & Thermal Sciences". (AMMMT-2010), **18<sup>th</sup>-19<sup>th</sup> Nov. 2010 held at Siddhaganga Institute of Technology Tumkur.**

## Faculty Development Programme Participated

- National Programme on Technology Enhanced Learning (NPTEL) Course in “**Fluid Machines**” conducted by *Indian Institute of Technology Madras* on 25<sup>th</sup> Aug.-25<sup>th</sup> Oct. 2019 (**8 Weeks**).
- FDP on “**A Course in teaching techniques of Applied Thermodynamics**” organized by *CPGS, VTU Campus Chikkaballapura* on 22<sup>nd</sup>-26<sup>th</sup> Jan. 2018 (**1 Weeks**).
- FDP on “**Advances in I C Engines**”, organized by *Sri Siddhartha Institute of Technology Tumkur* on 21<sup>st</sup> -26<sup>th</sup> Apr. 2014 (**1 Weeks**).
- FDP on “**Engineering Thermodynamics**” organized by *Amritha College of Engineering Bangalore* on 10<sup>th</sup> -21<sup>st</sup> Dec.- 2012 (**2 Weeks**).
- FDP on “**CFD & its Applications**” organized by *Vidyavardhaka College of Engineering Mysore* on 26<sup>th</sup> - 30<sup>th</sup> Mar.2012 (**1 Weeks**).
- FDP on “**The World Today and Tomorrow- The Energy Challenge**” organized by *Siddhaganga Institute of Technology Tumkur* on 20<sup>th</sup> June-1<sup>st</sup> July 2011 (**2 Weeks**).

## Workshop Attended

- Workshop on “**Smart Materials and Structures: SMAS 2006**”, organized by *BMS College of Engineering Bangalore* on 7<sup>th</sup>-8<sup>th</sup> Sept. 2006.

## Awards/Recognition/Achievement/Others

- Reviewer for International Journal of Ambient Energy(**Taylor and Francis Publication**).
- Reviewer for Metals and materials International (MAMI) Journal (**Springer Publication**).

## Grants Received/Patents/Funds

- Basavaraj Ganiger, Prakash Reddy V D, Nagaraja M K, Sripathi and Praveen G, “Modification of Automated Guided Vehicle” funded Rs. 5000 (Five Thousand only) by *Karnataka State council for Science and Technology (KSCST)* for the Student Project in the year2014-15.
- Basavaraj Ganiger, Teerthkumar G, Suhas Bhat, Mohan Kumar V and Sunil Kumar, “Experimental Study on Effects of Titanium Oxide as a TBC on 4-Stroke CI Engine Performance” funded Rs. 7000 (Seven Thousand only) by *Karnataka State council for Science and Technology (KSCST)* for the Student Project in the year2011-12.