

# PROFILE

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| Name                          | CHANDRASEKHAR G L   |
| Position & Affiliation        | Assistant Professor and Deputy COE, Department of ME  |
| Areas of Interest             | Composite Materials and Thermal Power Engineering   |
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| Professional Webpage (if any) |   |

## Educational Qualifications:

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| Ph.D  | Visvesvaraya Technological University        | India | Pursuing |
| MTech | Siddaganga Institute of Technology, Tumkur   | India | 2015     |
| BE    | Golden Valley Institute of Technology, K.G.F | India | 2006     |

## Areas of Research:

Composite Materials and Nano Composites

## Brief Profile: (write about yourself)

Completed M. Tech in the field of Thermal Power Engineering at SIT, Tumkur. Having 15 years of Teaching Experience. The areas of interest are Composite Materials and Nano Composites. Worked as Assistant Professor at MVJ College of Engineering, Bangalore.

Published around 10 papers in reputed National and International Journals. Received **Best Paper Award** for presenting a paper on “Microstructure and Mechanical Behaviour of Graphite particulates reinforced Al6082 alloy Composites” in National Conference on “Tropical Transcend in Mechanical Engineering” held at SJBIT, Bangalore. Received **Best Paper Award** for presenting a paper on “Microstructure and Elevated Temperature Tensile Behavior of Nano Boron Carbide Particles Reinforced Al7475 Alloy Composites” in International Conference on “Recent Advances in Engineering Materials (ICRAEM 2022)” held at Alva’s Institute of Engineering and Technology, Moodbidri.

Life Member of Institute of Engineers, Indian Society for Technical Education.

*Add about setting up labs and consultancy (if any)*

*Guiding students at various levels (BE, MTech and PhD)*

More than 10 UG projects and 03 PG projects have been guided.

#### Awards/Achievements/Others:

Received **Best faculty award** for the year 2011-2012 in **MVJ College of Engineering, Bangalore.**

The project under my guidance titled “Hygienic Toilet Disposal System” has been telecasted in TV-9.

#### Courses Taught:

Applied Thermodynamics, Non-Conventional Energy Sources, Alternative Sources for I.C. Engines, Engine Flow and Combustion, Computer Aided Engineering Drawing, Elements of Mechanical Engineering, Energy Engineering, Engineering Economy.

#### Publications/Patents:

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| Publications | <ol style="list-style-type: none"><li>1. <b>Chandrasekhar G L</b>, Y. Vijayakumar and Madev nagaral “Investigations on Mechanical Properties of Al-4.5% Cu-SiC and Al-4.5%Cu-Graphite Composites” European Journal of Engineering Research and Science, Volume 1, No. 1, July 2016.</li><li>2. Amarnath J, Chris Edberg, Bharath G R, Girish B R, V, <b>Chandrasekhar G L</b>, and Madev Nagaral “Hardness and Tensile behavior of Al-4.5%Cu-SiC-Graphite particulates Reinforced hybrid Composites” International Journal of Engineering Research, ISSN: 2319-6890, Volume 5 Issue 6 June 2016.</li><li>3. Nabi nadaf, Mohan kumar K, Ravishankar K, <b>Chandrasekhar G L</b>, and Madev Nagaral “Processing, Microstructure and Mechanical Behaviour of Al6262-4wt. % B<sub>4</sub>C Composites” International Journal of Engineering and Technology, ISSN: 2319-8613, Volume 9 No 3S July 2017.</li><li>4. Renuka Prasad Y, Y. Vijayakumar, <b>Chandrasekhar G L</b>” Numerical Analysis of Wind Turbine Diffuser with Different Flange Angles” International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), ISSN 2394-3777 Vol. 5, Special Issue 3, January 2018.</li><li>5. Shaik Asif, Pavan K R , Suresh Chapekar , Subhendu Ghosh , <b>Chandrasekhar G L</b>, Madeva Nagaral, “Microstructure &amp; Mechanical Behavior of Graphite Particulates Reinforced Al6082 Alloy Composites”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 22 (2018) pp. 15646-15651.</li><li>6. <b>Chandrasekhar G L</b>, Y.Vijayakumar, Madeva Nagaral, Hariprasad “Synthesis and Mechanical Characterization of Nano B<sub>4</sub>C Particulates Reinforced Al7475 alloy Composites”, International Conference on Sustainable Engineering and Technology (iConset 2018), AIP Conf. Proc. 2039, 020017-1–020017-7; <a href="https://doi.org/10.1063/1.5078976">https://doi.org/10.1063/1.5078976</a>, Published by AIP Publishing. 978-0-7354-1765-6.</li><li>7. Vijayakumar R, <b>G.L Chandrasekhar</b> “Determination of Damage Tolerance Of</li></ol> |
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|   | <p>Composite Laminate Subjected To Stress-Corrosive Environment”, Journal of Emerging Technologies and Innovative Research (JETIR), January 2021, Volume 8, Issue 1, (ISSN-2349-5162).</p> <p>8. <b>G.L. Chandrasekhar</b>, Y. Vijayakumar, Madeva Nagaral and C. Anilkumar, “ Microstructural Evolution and Mechanical Behaviour of 8 wt. % of Nano B4C Reinforced Al7475 Alloy Metal Composites”, International Journal of Vehicle Structures &amp; Systems (IJVSS), 13(5), 1-6, ISSN: 0975-3060 (Print), 0975-3540 (Online) doi: 10.4273/ijvss.13.5.24.</p> |
| Patents   | NIL  |
| Book/Book Chapters  | NIL  |
| <p><b>Research and Consultancy:</b></p> <ul style="list-style-type: none"> <li>➤ <b>Project</b> titled “Quad copter Drone Project”, approved by <b>KSCST</b> for funding for the year 2014-15.</li> <li>➤ <b>Project</b> titled “Processing Design and Analysis of Spur Gear made by SiC and Graphite Reinforced Al 4.5% Cu alloy Composites.”, approved by <b>KSCST</b> for funding for the year 2015-16.</li> </ul> |  |