

Dr. SHRISHAIL KAKKERI

BE, ME, PhD [LMISTE, FIE, Cengg]

Professor and Head – Mechanical Engineering

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Biography

Dr. Shrishail Kakkeri has 22 years of experience in teaching, 5 Years of experience in research and 6 years as Design and Development Engineer. He received BE from Dr. Ambedkar Institute of Technology, Bangalore. M.E from UVCE Bangalore. He completed his doctoral degree in Mechanical Engineering at Research Centre, M S Ramaiah Institute of Technology affiliated to VTU Belagavi. His area of interest includes Robotics, Automation, Product Development and Plasticity and Biofuels.

He has published more than 40 technical papers in international journals and conferences. He has also filed and published 3 patents. He has received grant of 17.45 L from AICTE (MODROB) for testing of Feasibility of Oils from Waste Sources as Fuels in IC Engine. Presently he is guiding four research scholars and one scholar has awarded PhD. He has received awards from various agencies and bodies, Best Researcher Award, IJRULA - RULA International Awards 2018. Best Research Paper Award, By KSTA In 2018. Research Excellence Award, By Science Father Group in 2020. And Best Reviewer Award from Elsevier. He has reviewed articles for Elsevier.

Research Interests

- Robotics
- Automation
- Biodiesel
- Product development

Selected Publications

[1] Naveena H S, Sunil S, Shrishail Kakkeri & Suresh R, Development and mechanical testing of natural fibre reinforced polypropylene resin hybrid composite, Advances in Materials and Processing Technologies (Taylor and Francis) ,2021, DOI: 10.1080/2374068X.2021.1948704.

[2] Sunil S, B.S. Chandra Prasad, Shrishail Kakkeri, Suresha, Studies on titanium oxide nanoparticles as fuel additive for improving performance and combustion parameters of CI engine fueled with biodiesel blends, Materials Today: Proceedings (Elsevier), 2021, Volume 44, Part 1, Pages 489-499, DOI: <https://doi.org/10.1016/j.matpr.2020.10.200>.

[3] M. Devendra Reddy, Sunil S, B.S. Chandra Prasad, Shrishail Kakkeri, Studies on alternative hybrid materials for replacement of R134a in space heating process, *Materials Today: Proceedings* (Elsevier), 2021, Volume 44, Part 1, Pages 716-721, DOI: <https://doi.org/10.1016/j.matpr.2020.10.617>.

[4] Sunil S, Kakkeri S., Chandra Prasad B.S., Kapilan N., Shivarudraiah, Feasibility Studies on Spent Coffee Powder Oil as Alternative to Diesel in CI Engines. *Advances in Industrial Automation and Smart Manufacturing. Lecture Notes in Mechanical Engineering*. Springer, 2021, https://doi.org/10.1007/978-981-15-4739-3_78.

[5] Sunil S, B.S. Chandra Prasad, M. Kotresh, Shrishail Kakkeri, Studies on suitability of multiwalled CNT as catalyst in combustion on a CI engine fueled with dairy waste biodiesel blends, *Materials Today: Proceedings* (Elsevier), 2020, Volume 26, Part 2, Pages 613-619, <https://doi.org/10.1016/j.matpr.2019.12.179>.