

Dr. SUNIL S

BE, ME, PhD [LMISTE, FIE]

Associate Professor – Mechanical Engineering

Controller of Examination

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Biography

Dr. Sunil S has 13 years of experience in teaching and 5 Years of experience in research. He received BE from Sri Venkateshwara College of Engineering, Bengaluru and M.Tech from Siddaganga Institute of Technology, Tumakuru. He completed his doctoral degree in Mechanical Engineering at Research Centre, Sri Venkateshwara College of Engineering affiliated to VTU Belagavi. His area of interest includes Renewable Energy, Biofuels, Fuel additives and Optimization Techniques.

He has published around 15+ papers in International Journals and Conferences. He has also filed and published 2 patents. He has received grant KSCST, KSBDB and other agencies. Taken the lead of setting up Biofuel Research and Development unit at Sri Venkateshwara College of Engineering. He has obtained 3 best paper awards at various National / International conferences. He has reviewed articles for various reputed journals like Advances in Materials and Processing Technologies (Taylor and Francis) and Chemical Science International Journal. The projects guided by him have been recognized by various agencies/bodies. One of the project guided by him received the prestigious “**Chatra Vishwakarma Award-2019**” for the innovative idea under the theme “Waste Management” organized by All India Council for Technical Education (AICTE), Ministry of Human Resource Development, Govt. of India.

Research Interests

- Renewable Energy
- Biodiesel
- Fuel Additives
- Optimization Techniques

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>.