


## Profile

1	Name of the Faculty	Dr. Basavaraj M Shrigiri			
2	Date of joining	24-07-2021			
3	Email id	shrigiri@			
4	Designation	Asst. Professor			
5	Department	Energy Engineering			
6	Education Qualifications	B.E. in Mechanical Engineering M.Tech in Thermal Power Engineering Ph.D in IC Engine and Alternative fuels			
7	Work Experience	Teaching	Research	Industry	Others
		24 Years	6	-	-
8	Area of Specialization	Production Engineering			
9	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	<u>For UG Program</u> Elements of Mechanical Engineering, Computer Aided Engineering Drawing, Applied Thermodynamics, Energy Engineering, Power plant Engineering, Automobile Engineering, Thermodynamics and Energy Conversion, Introduction to Energy Engineering. <u>For PG Program</u> Non-conventional Energy Sources, Power Plant Cycle Analysis, Thermal Power Station-1			
10	No. of papers published in National/ International Journals/ Conferences				
	Journals	National	International		
			13		
	Conferences	National	International		
6		2			

## Publications in International/ National Journals

### International Journals

11

- [1] Basavaraj M Shrigiri (2021), Combustion characteristics of sugar apple seed (*Annona squamosa*) oil methyl ester and its blends on compression ignition engine, *International Journal of Ambient Energy*, Taylor and Francis [doi.org/10.1080/01430750.2021.1888801](https://doi.org/10.1080/01430750.2021.1888801)
- [2] Basavaraj M Shrigiri (2020), Performance of a low heat rejection engine fuelled with tobacco seed oil and its methyl ester (TSOME), *International Journal of Ambient Energy*, Taylor and Francis DOI: [10.1080/01430750.2020.1783355](https://doi.org/10.1080/01430750.2020.1783355)
- [3] Nagaraj Badiger, Manjunath Dayanand Shikkeri, Milind Kamble, B.M.Dodamani, B M Shrigiri, "Effect Of Injection Opening Pressure (Iop), Injection Timing (It) And EGR On The Performance And Emission Characteristics Of Diesel Engine Operated With Tallow Oil Methyl Ester (Tome) ", *Journal of Emerging Technologies and Innovative Research*, May 2019, Volume 6, Issue 5, (ISSN-2349-5162).
- [4] Nagaraj M Dandinavar, Nagaraj Barimarad, Anjaneya, B M Dodamani, B M Shrigiri, "Effect of Di Ethyl Ether (DEE) Additive, Compression Ratio (CR) and EGR on the Performance and Emission of DI Diesel Engine Operated on Fish Oil Methyl Ester (FOME) ", *International Journal for Scientific Research & Development*, Vol. 7, Issue 03, 2019, ISSN (online): 2321-0613.
- [5] Basavaraj M Shrigiri, Omprakash D Hebbal, K Hema Chandra Reddy "The effects of thermal barrier coatings on diesel engine combustion, performance and emission" *International Journal of Advances on Automotive and Technology*, Promech Corp. Press, Istanbul, Turkey Vol. 1, No. 1, pp. 6-12, October, 2016.
- [6] Basavaraj M Shrigiri, Omprakash D Hebbal, K Hema Chandra Reddy "Performance, emission and combustion characteristics of a semi-adiabatic diesel engine using cotton seed and neem kernel oil methyl esters" *Alexandria Engineering Journal*, Elsevier, (2016) 55, 699–706.
- [7] Basavaraj M Shrigiri, Omprakash D Hebbal, K Hema Chandra Reddy "Performance, Emission and Combustion Characteristics of Neem Kernel Oil and its Biodiesel on a Low Heat Rejection Engine" *Thermal Engineering*, 79 (2015), 30232-30235.
- [8] Arun Suldal, Basavaraj M Shrigiri, "Performance and emission characteristics of diesel engine using custard apple seed oil methyl ester and blends" *International Research Journal of Engineering and Technology*, Vol. 3, Issue 6, June 2016.
- [9] Basavaraj M Shrigiri, Omprakash D Hebbal, K Hema Chandra Reddy " Experimental Investigation on Low Heat Rejection Engine Fueled with Cotton Seed Oil and its biodiesel" *International Journal of Latest Technology in Engineering, Management & Applied Science*, Vol II, Issue XII, 2014, pp 58-62.
- [10] Prashant Kalmath, Omprakash D Hebbal, Basavaraj Shrigiri, Prakash S Patil "Investigation of Performance, Combustion and Emission Characteristics in single cylinder Low Heat Rejection Diesel Engine using diesel and neem kernel biodiesel", *International Journal for Scientific Research and Development*, Vol 2, Issue 07, pp 12-18.
- [11] Chandan Inamdar, Ritesh Kemble, Basavaraj M Shrigiri "Production of Bio- Diesel from non-edible oils- an Overview", *Journal of Mechanical Engineering Research and Technology*, Vol.2, No 1(2014), pp 431-436.
- [12] Basavaraj M Shrigiri, Omprakash D Hebbal, K Hema Chandra Reddy "Biodiesel Applications as fuels for Low Heat Rejection Engine- An Overview", *International Journal of Mechanical Engineering and Research*, Volume 2, Number 2 (2012), pp 109-116.

- [13] Shilpa B Shrigiri, V D Mytri, Basavaraj M Shrigiri "Application of Nanomaterials in Coordination with VLSI Design Process" International Journal of Nanotechnology and Applications ISSN 0973-631X Volume 4, Number 2 (2010), pp. 73-85.

#### **Chapters in Books**

- [1]. Basavaraj M Shrigiri, Omprakash D Hebbal, K Hema Chandra Reddy, "Investigation on a Low Heat Rejection Engine Using Neem Kernel Oil and Its Methyl Ester as Fuel", Renewable Energy Systems, Nova Science Publishers, Inc, USA, pp. nos. 181-193 (ISBN: 978-1-53610-423-3), 2017.
- [2]. A. Jagadeesh, Basavaraj M. Shrigiri, Omprakash D. Hebbal, "Production of Biodiesel Using Temple Waste Oil" Recent Advances in Hybrid and Electric Automotive Technologies, Springer Nature Singapore, pp 81, ISSN 2195-4364 (electronic).