

SUNIL S

Assistant Professor

Mechanical Engineering

Sri Venkateshwara College of Engineering,

Vidyanagar, Bengaluru - 562157



Sl. No	Particulars	Details		
		Degree	University	Specialization
1	Educational Qualification	B.E.	VTU	Mechanical Engineering
		M. Tech	VTU	Thermal Power Engineering
		Ph.D.	VTU (REGISTERED-2015)	-
2	DOB	04.04.1986		
3	Work Experience	Teaching	12 Years	
		Research	4 Years	
		Industry	NIL	
		Others	NIL	
4	Area of Interest	Alternate Fuels, Fuel Additives, Optimization Techniques		
5	Subjects Taught	UG	Heat and Mass Transfer, Turbomachines, Energy Engineering, Energy and Environment, Automobile Engineering, Elements of Mechanical Engineering, Power Plant Engineering	
		PG	Advanced Heat Transfer, Design of Heat Transfer Equipment's for Thermal Power Plants.	
6	Project Guidance	UG	15	
		PG	2	

7	Awards	<ul style="list-style-type: none"> ➤ Received best paper award for paper titled “Characterisation of Biodiesel from Watermelon Seed Oil and Optimization of Reaction Parameters for Maximizing the Yield” at 10th Annual KSTA Conference on Science & Technology for future of humanity organized at REVA University 18th -19th Jan 2018. ➤ Received best paper award for paper titled “Optimization of Reaction Parameters of Spent Coffee Oil Biodiesel Production and Performance Test on a Diesel Engine” at 11th Science and Technology Academy Conference organized by KSTA in association with NMKRV College for women, 1st-2nd Feb 2019, NMKRV College, Bengaluru. ➤ Received best paper award for paper titled “Development and Characterization of Biodiesel from Spent Coffee Oil and Performance Test on a Diesel Engine” at national Conference on Biofuel: Research and Innovation organized by BEC, Bagalkot in the eve of world Bio-Fuel day celebration on 26th August 2020. ➤ Received Prestigious “Chatra Vishwakarma Award 2019” (Second prize) with a cash reward of 31000/- under the theme Waste management. The event was organized by AICTE. 														
8	Patents Applied	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Title of the Innovation</th> <th style="width: 15%;">Date of Filing</th> <th style="width: 20%;">Patent Number</th> <th style="width: 35%;">Application Status</th> </tr> </thead> <tbody> <tr> <td>Apparatus and Method for Producing Biodiesel Fuel</td> <td>01-08-2020</td> <td>202041033065 A</td> <td>Published in Patent Journal- 34/2020</td> </tr> <tr> <td>Design, development and fabrication of pyrolysis reactor to convert waste into sustainable liquid fuel.</td> <td>31-12-2019</td> <td>201941054587 A</td> <td>Published in Patent Journal-03/2020</td> </tr> </tbody> </table>	Title of the Innovation	Date of Filing	Patent Number	Application Status	Apparatus and Method for Producing Biodiesel Fuel	01-08-2020	202041033065 A	Published in Patent Journal- 34/2020	Design, development and fabrication of pyrolysis reactor to convert waste into sustainable liquid fuel.	31-12-2019	201941054587 A	Published in Patent Journal-03/2020		
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10	Grants Received	NIL														
11	Guest Lectures	NIL														
12	Workshops Organized/Attended	<ul style="list-style-type: none"> ➤ Participated in “Idea to Execution for Entrepreneurs” workshop organized by Nurture Talent Academy and IIM Calcutta on 4th and 5th Non2012. ➤ Participate in a course on “Design Development and Simulation of FSAE vehicle” conducted by Meta Wing Information Technologies Private Limited on 13th and 14th Apr 2013. 														

		<ul style="list-style-type: none"> ➤ Attended 3 days' workshop on “AutoCAD as a tool for Mechanical Engineers- hands on experience”, SVCE, Bengaluru between 4th & 6th November 2017. ➤ Attended one day workshop on “Advancement in Mechanical Science”, MSCE, Bengaluru between 24th December 2016. ➤ Attended Three day Workshop on “Rapid Prototyping and 3D Printing Technology” organized by MED, SVCE in association with Debilian Technologies &AAM India Pvt Ltd, 13th to 15th October 2017, SVCE, BENGALURU 			
13	Professional Body Membership	IEI, ISTE, IAENG			
14	Responsibilities	<ul style="list-style-type: none"> • Department NBA COORDINATOR • ISO Coordinator • SAE-India SVCE collegiate club faculty advisor 			
15	Contact Number	9731212123			
16	Email-Id	sunil.s_me@svcengg.edu.in sunilmurthy86@gmail.com			
17	Portal/Blog	NIL			
18	Funds Received for Research / Events	Sl.	Title of the Project	Funding Agency	Amount Funded
		1	“Experimental Investigation on Using Solid fuel slurries in Diesel Engine”	KSCST	6,000/-
		2	“Production & Characterization of Biodiesel from Spent Coffee Powder & Performance test in a Diesel Engine”.	KSBDB	13,000/-
		3	“Study on Effect of Addition of Cobalt Oxide Nano Particles on Performance and Emission of Diesel Engine fueled with Simarouba Biodiesel blends”.	KSBDB	13,000/-
		4	Optimization of reaction parameters for watermelon biodiesel production using DOE & study of effect of addition of nanoparticles on a diesel engine fueled with watermelon biodiesel blends.	KSBDB	7000/-
		5	Studies on effect of injection pressure and injection timing on performance and emissions of a 4s single cylinder diesel engine fueled with spent coffee powder biodiesel blends.	KSBDB	9000/-

		6	Study of Effect of Metal oxide Nano particle on Spent Coffee oil biodiesel production and Performance test in a Diesel Engine	KSBDB	13000/-
		7	Design and Fabrication of a Reactor to Convert Municipal Solid Waste To Fuel	VTU	5000/-
		8	Production of Cardanol From Cashew Shell oil and Study of Effect of Cardanol as Fuel Additive in Simarouba Biodiesel Fuelled Engine.	VTU	5000/-
		9	Design and Fabrication of Pyrolysis Reactor to Convert the Domestic Waste in to Bio Fuel	Sri Surya Prakash Kuwait Oil Company	7,20,000/-