

Name: Dr. Sushrut S. Halewadimath
Assistant Professor
Dept. of Mechanical Engineering
K. L. E. I. T. Habbali



1.	Educational, professional qualifications, and trainings				
1.1.	Educational Qualification				
S.N.	Degree	University / College	Discipline	Year of Passing	Class obtained
a)	Ph. D.	K. L. E. Technological University Hubballi	Mechanical Engg.	2024	----
a)	M. Tech.	U. B. D. T. Davangere	Thermal Engg.	2012	First Class with Distinction
b)	B. E.	V. T. U. / T. C. E. Gadag	Mechanical Engg.	2008	First Class
1.2.	Training programmes attended				
S.N.	Subject area of Training	Organization	Place	Period / Duration	
a)	Faculty Development Programme on “Digitalizing Design through Transformation and Innovation”	K.L.E.I.T. HUBLI	Hubballi	22nd to 26th July 2019 / One week	
b)	Faculty Development Programme on “Thermal Engineering & its Applications”	K.L.E.I.T. HUBLI	Hubballi	21st to 26th January 2019 / One week	
c)	Workshop on Fluid Mechanics conducted by IIT, Kharagpur	K.L.E.I.T. HUBLI	Hubballi	May 20-30, 2014/ Two weeks	
1.3.	Membership of National and International Professional Bodies/Organisations				
S.N.	Name of Professional Body/Organization	Place		Membershi pCategory	
a)	ISTE	New Delhi		Life Member/ LM 119995	

1.4.	Technical Papers/Books Published in National / International Events / Journals
a)	<ol style="list-style-type: none"> 1. Sushrut S. Halewadimath, Prajwal Subbhapurmath, Naveen Havaladar, Karthik Hunashikatti, Siddharth Gokhale. June-2015, "Experimental analysis of solar air dryer for agricultural products". International Research Journal of Engineering and Technology. Volume: 02 Issue: 03. 1517-23. 2. Sushrut Shashidhar Halewadimath, C. N. Nataraj. July-2015. "Experimental study on the productivity for different water depth variation – solar stills". International Research Journal of Engineering and Technology. Volume: 02 Issue: 04. 1890-93. 3. Sushrut S. Halewadimath, Banapurmath N.R., Khandal S.V. 2017. "Performance, Emission and Combustion Characteristics of Modified Diesel Engine Fuelled with Neem Oil Methyl Ester (NOME)". SF J Biofuel Bioenerg Volume 1 Issue 1:1-10. 4. Sushrut Halewadimath, N.R. Banapurmath, V.S. Yaliwal, Chetan Baseganni, Naveen Dinakar, Syed Suhel. 2017. "Dual Fuel Engine Operated with Hydrogen Enriched Producer Gas & Honge Biodiesel". Universal Journal of Petroleum Sciences. Volume: 05, 37-46. 5. Sushrut S. Halewadimath, Yaliwal V. S., Banapurmath N. R. 2019. "Fuel efficiency enhancement of modified diesel engine operated in dual fuel mode using renewable and sustainable fuels". International Journal of Sustainable Engineering, DOI:10.1080/19397038.2019.1608331: 1-14. 6. Sushrut S. Halewadimath, Banapurmath N. R., Yaliwal V. S., 2019. "Effect of engine variables on combustion characteristics of a dual fuel engine powered by Neem Oil Methyl Ester (NeOME) and producer gas (PG)". International Journal of Ambient Energy. DOI: https://doi.org/10.1080/01430750.2019.1696889 7. S. S. Halewadimath, V.S. Yaliwal, N.R.Banapurmath, A.M.Sajjan (2020) . "Influence of hydrogen enriched producer gas (HPG) on the combustion characteristics of a CRDI diesel engine operated on dual-fuel mode using renewable and sustainable fuels". Fuel 8. Sushrut S. Halewadimath, Akshay Chougale, Keshav Adya, Akash Itagi, Amithkumar Nadugeri. Aug 2020. " Multipurpose agricultural vehicle with major safety precautions". International Research Journal of Engineering and Technology. Volume: 07 Issue: 08. 1-4. 9. Volume 270, 15 June 2020, 11757DOI link: https://doi.org/10.1016/J.FUEL.2020.117575. S.S. Halewadimath, N.R. Banapurmath, S.S. Jalihal, B.R. Akarsh , S.B. Rampur , V.V. Yaliwal , V.S. Savadatti. 3 December 2021 "Impact of injection timing (IT) on dual fuel engine fuelled with waste cooking oil methyl ester and producer gas" Materials Today Proceedings. Volume 52, Part 3, 2022, Pages 452-456. https://doi.org/10.1016/j.matpr.2021.11.041 10. Vivekanand Yaliwal, Prajwal Gaddigoudar, Sampatkumar Akki a , Vaibhavi Devadas a , S.S. Jalihal , M.G. Prasad, S.N. Timmanagoudar, S.S. Halewadimath, N.R. Banapurmath. 7 October 2021. "Influence of piston bowl geometry on the performance and emission

characteristics of a diesel engine operated on single fuel mode using dairy scum oil biodiesel” *Materials Today Proceedings*, Volume 52, Part 3, 2022, Pages 1223-1227. <https://doi.org/10.1016/j.matpr.2021.09.108>

11. Sushruth S. Halewadimath, Savan B. Rampur, Akarsh B. R., Vaibhavi Devadas. 2021. “Multi-purpose leaf harvester”. *International Advanced Research Journal in Science, Engineering and Technology*. Vol. 8, Issue 6, 1-17. DOI: 10.17148/IARJSET.2021.8602
12. S.S. Halewadimath, N.R. Banapurmath, V.S. Yaliwal, M.G. Prasad, S.S. Jalihal, Manzoore Elahi M. Soudagar, Haseeb Yaqoob , M.A. Mujtaba, Kiran Shahapurkar , Mohammad Reza Safaei. 15 March 2022. “Effect of manifold injection of hydrogen gas in producer gas and neem biodiesel fueled CRDI dual fuel engine”. *International journal of Hydrogen Energy*. DOI: <https://doi.org/10.1016/j.ijhydene.2022.02.135>
13. S. S. Halewadimath, N. R. Banapurmath, V. S. Yaliwal, V. N. Gaitonde, “Experimental investigations on dual-fuel engine fuelled with tertiary renewable fuel combinations of biodiesel and producer—hydrogen gas using response surface methodology”. *Sustainability*, 2023, Volume 15, Pages 4483. DOI: <https://doi.org/10.3390/su15054483>
14. Sumana Yajaman Belludi, Nagaraj Ramalingayya Banapurmath, Sadasivappa Suresh, Hiresadarahalli Bommappa Aravinda, Sushrut Shashidhar Halewadimath, Lakshmaiah Ranganatha Swamy, Chandramouli Vadlamudi, Sanjay Krishnappa, Nagesh Sampige Basavaraju. “Waste Cooking Oil Biodiesel and Their Nanobiodiesel Blends Infused with Reduced Graphene Oxide (RGO) Nanoparticles for Diesel Engine Applications”. *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences* 114, Issue 2 (2024) 15-31.

BOOK CHAPTERS

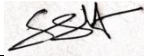
1. Banapurmath N.R., Yaliwal V.S., Adaganti S.Y., Sushrut S. Halewadimath 2019. “Power Generation from Renewable Energy Sources Derived from Biodiesel and Low Energy Content Producer Gas for Rural Electrification”. DOI: 10.1016/B978-0-08-102528-4.00011-0
2. Sushrut S. Halewadimath, Shrinivas Timmanagoudar, Sucheet M. Gogeri, N. R. Banapurmath, Anand K Joshi. “Influence of injection timing (IT) on the performance and emission characteristics of a diesel engine operated on dual-fuel mode. *Futuristic Trends in Mechanical Engineering, IIP Series, Volume 3, Book Chapter.*

REVIEWER

1. Outstanding service as a potential technical reviewer in the International Conference on Sustainable Goals in Materials, Energy, and Environment (ICSMEE'24) held at Mangalam College of Engineering, Kottayam, Kerala, India during 02 – 03rd, MAY 2024. We thank for your timely technical support.

1.5.	Language skills		Speak:	Read / Write
			English	English
			Kannad	Kannad
			Hindi	Hindi
2.	Employment Information and Professional Experience till date			
2.1.	Employment Information			
a)	Job title	Assistant Professor		
	Employer	K. L. E. Institute of Technology Hubballi		
	Dates (from – to)	01/08/2012 to till date		
	Responsibilities	i. Worked as faculty coordinator for National level college fest ADVITIYA. ii. Worked as faculty coordinator for conducting FDP iii. Association coordinator iv. Internal Assessment scrutiny committee member v. Industry institute interaction committee member vi. Student Benefit Fund (SBF) committee member vii. Online offline exam chief		
b)	Job title	Lecturer		
	Employer	Rural Engineering College Hulkoti		
	Dates (from – to)	01/09/2009 to 30/07/2010		
	Responsibilities	Department placement activity co-ordinator		
c)	Job title	Lecturer		
	Employer	Tontadarya College of Engineering Gadag		
	Dates (from – to)	01/08/2008 to 20/06/2009		
	Responsibilities	First year coordinator		
2.2.	Public Service & Volunteer Work			
a)	Guided projects to fight for Covid-19 (Automatic Hand Sanitizer, 800 member can continually use to hand wash) donated to Indian Railways and Siddharoodha Math Hubballi.			
b)	Guided project SEMI-AUTOMATIC COB-WEB MACHINE, The feature of this machine is that it will clean the cobweb from 20 to 30 feet height ceiling without any ladder. This machine is donated to Shri Guru Ragevendra Math Renuka nagar Hubballi.			
c)	Social Responsibility Campaign. On 28th March 2019, we have conducted "FREE EYE SCREENING CAMP" at Banjara colony ,Hubballi, Dist: Dharwad in association withDivya Jyothi Eye Hospital , Hubli.			
d)	Conducted the social awareness activity on "SAVE WATER & DEHYDRATION " at Gokulvillage , Hubballi. 16th March 2019.			
e)	Swatch Bharat Event at Gokul Village, Hubballi on 06/10/2018			
2.3.	Other professional achievements such as any awards, special skills, etc.			
a)	Guided project for PUPA 2019. (Awarded seed money)			
b)	Best performer of Advitiya 2015.			
3.	Any other information			
3.1.	Strengths	Involving in social innovative projects		

4.	General information	
4.1.	Name	Dr. Sushrut S. Halewadimath
4.2.	Gender	Male
4.3.	Nationality	Indian
4.4.	Date of birth	07/07/1985
4.5.	Contact address	Department of Mechanical Engineering, K.L.E.Institute of Techology,Hubballi
4.6.	Phone / mobile number	9743176383
4.7.	Email	sushrutsh@kleit.ac.in

05/12/2024	Dr. Sushrut S. Halewadimath	
Date	Full name	Signature