

	Name	Dr. Kailasnath B. Sutar		
	Designation	Asso. Prof. and Head of Department		
	Department	Mechanical Engineering		
	Qualification	B. E. Mechanical (RIT Sakharale) M. Tech. Thermal & Fluids Engineering (DBATU Lonere), Ph. D. Mechanical Engineering (IIT Delhi)		
	Contact No.	8600984935	Ph. Extension	289
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	Experience	Teaching :	17 Years	Research :

Title of PhD Thesis	Development of Downdraft Gasifier Cookstoves for Domestic Application			
Research Area	Biomass Gasification, Energy Efficiency, Heat Transfer, Renewable Energy Technologies			
Research Publications	International Journal:	08	National Journals:	02
	International Conference:	04	National Conference:	03
Research Metrics	<i>Google Scholar Citations:</i> 153 <i>H Index:</i> 04 & <i>I 10 Index:</i> 03	<i>SCOPUS Citations:</i> 93 <i>H Index:</i> 03	<i>Web of Science citations:</i> 72 <i>H Index:</i> 03	
	Link for Scopus Profile: https://www.scopus.com/authid/detail.uri?authorId=57188740403			
	Link for Web of Science Profile: https://publons.com/researcher/3113024/kailasnath-bhimrao-sutar/			
Link for Google Scholar Profile: https://scholar.google.com/citations?user=izLaYlwAAAAJ&hl=en				
Publication Details	Publications in International Journals <ul style="list-style-type: none"> ➤ Surve M. L., Unde S. S., Dhurpate S. A., Sutar K. B., Kumbhar D.G. (2021) Computational Studies on Airfoil for Micro-Capacity Horizontal Axis Wind Turbine. <i>Indian Journal of Science and Technology</i>. Accepted for publication. ➤ Rai A., Kumbhar D. G., Sutar K. B. (2021) Computational Investigation on Natural Convection Heat Transfer in Vertical Plate Fin Arrays. <i>Indian Journal of Science and Technology</i> 14(24): 2069-2080. https://doi.org/10.17485/IJST/v14i24.863 ➤ Kailasnath B. Sutar, Munna Kumar, Manish Kumar Patel, Arvind Kumar, Shardul R Mokashi. Experimental investigation on pot design and efficiency of LPG utilization for some domestic cooking processes. <i>Energy for Sustainable Development</i>, 56 (2020): 67-72. ➤ Kailasnath B. Sutar, Rohit Singh, Abhiram Karmarka, Ajeet Sharma, Vedant Rathore Experimental Investigation on Thermal Performance of Three Natural 			

	<p>Draft Biomass Cookstoves. <i>Energy Efficiency</i>, 12(3): (2019): 749-755.</p> <ul style="list-style-type: none"> ➤ Kailasnath B. Sutar, Sangeeta Kohli, M. R. Ravi. Design, Development and Testing of Small Downdraft Gasifiers for Domestic Cookstoves. <i>Energy</i>. 124 (2017) 447-460. ➤ Kailasnath B. Sutar, M. R. Ravi, and Sangeeta Kohli. Design of a partially aerated naturally aspirated burner for producer gas. <i>Energy</i> 116 (2016): 773-785. ➤ Kailasnath B. Sutar, Sangeeta Kohli, M. R. Ravi, Anjan Ray. Biomass cookstoves: a review of technical aspects. <i>Renewable and Sustainable Energy Reviews</i>, 41(2015): 1128–1166. ➤ Dhurpate, Priyanka R., Kailasnath B. Sutar, and Sandip A. Kale. Numerical analysis of different airfoils using QBlade software. <i>Imperial Journal of Interdisciplinary Research</i>. 2(6): (2016): 1426-30. ➤ Mokashi, S. and Kailasnath B. Sutar. Survey for Analyzing Domestic LPG Utilization Trends in Households of Pune Region. <i>Imperial Journal of Interdisciplinary Research</i>. 2(7): (2016): 1344-46. ➤ Kodare R. and Kailasnath B. Sutar. Computational Study on Blade of MicroCapacity Wind Turbine. <i>International Journal of Scientific & Technology Research</i>. 8(9): (2019): 2273-77.
	<p>Publications in Conference Proceedings</p> <ul style="list-style-type: none"> ➤ Kailasnath B. Sutar, Sangeeta Kohli, M. R. Ravi. Some issues in testing of biomass cookstoves. <i>Proceedings of the 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017)</i> BITS Pilani, Hyderabad, India. 27th-30th Dec. 2017. ➤ Kailasnath B. Sutar, Ninad Ghormade et al. Development of Two Natural Draft Biomass Cookstoves for Rural Application. <i>2nd National Conference on Recent Trends in Mechanical Engineering</i>. Walchand College of Engineering, Sangli, Maharashtra. 29th and 30th June, 2017. ➤ Kailasnath B. Sutar, Rohit Singh, Abhiram Karmarka, Ajeet Sharma, Vedant Rathore. Experimental Investigation on Thermal Performance of Three Natural Draft Biomass Cookstoves. <i>1st National Conference on Recent Trends in Mechanical Engineering</i>. Walchand College of Engineering, Sangli, Maharashtra. 5th and 6th July, 2016. ➤ Kailasnath B. Sutar, Sangeeta Kohli, M. R. Ravi. Poster Presentation on: Issues in laboratory testing of biomass cookstoves. <i>Indo-US Workshop on Biofuel Combustion and Sprays</i>, Indian Institute of Science Bangalore, 22nd-23rd June, 2011. ➤ Kailasnath B. Sutar, Sangeeta Kohli, M. R. Ravi. Development of a laboratory model of a domestic downdraft gasifier cookstove. <i>IVth International Conference on Advances in Energy Research</i>, Indian Institute of Technology Bombay, Mumbai, 10-12th Dec. 2013, pp. 611-618. ➤ Kailasnath B. Sutar, Sangeeta Kohli, M. R. Ravi. Some issues in testing of biomass cookstoves. <i>2014 ETHOS Conference, Kirkland, Washington, USA</i>, 24-26th Jan. 2014.

	<ul style="list-style-type: none"> ➤ Kailasnath B. Sutar, Sangeeta Kohli, M. R. Ravi. Poster Presentation on: Development of a domestic downdraft gasifier cookstove. <i>Research Scholars Day 2014</i>, Indian Institute of Technology Delhi, 11th April, 2014.
Workshop/ Seminar/ Conference/FD PsOrganized	<ul style="list-style-type: none"> ➤ Online faculty development programme on “<i>Recent Advances in Mechanical Engineering Design</i>” from 20th July to 24th July, 2021. This FDP was sponsored by AICTE Training & Learning (ATAL) Academy with a grant of Rs. 93000/- ➤ Online faculty development programme on “<i>Research Opportunities in Robotics & Automation</i>” from 24th Nov. to 28th Nov, 2020. This FDP was sponsored by AICTE Training & Learning (ATAL) Academy with a grant of Rs. 93000/- ➤ Online faculty development programme on “<i>Research in Energy Technologies</i>” from 6th July to 11th July, 2020. ➤ Online faculty development programme on “<i>Research Opportunities in Advance Manufacturing Processes</i>” from 22nd June to 28th June, 2020. ➤ Online faculty development on “<i>Future materials: nano-composites</i>” from 22nd June, 2020 to 28th June, 2020. ➤ Conducted a three days “<i>Leadership Training Programme</i>” for faculty members in BV (DU) COEP on 16th, 17th July, 2019 and 30th Aug. 2019. ➤ National Level “<i>Paper Presentation Competition</i>” on 26th & 27th March, 2019 ➤ Workshop on “<i>3D Printing & its Applications</i>” on 24th and 25th Jan. 2019 Core team member for “<i>NANOCON-018</i>” organised by BVDUCOEP on 25th and 26th Oct. 2018 ➤ National Seminar on “<i>Research in Renewable Energy</i>” from 21st to 25th Feb. 2017 in the Department of Mechanical Engineering, BVDUCOE, Pune Workshop on “<i>Welding and NDT Techniques</i>” from 5th to 9th Sept. 2016 in the Department of Mechanical and Production Engineering, BVDUCOE, Pune
Workshop/ Seminar/Co nferences/ FDPs attended	<ul style="list-style-type: none"> ➤ Online Faculty Development Program on “<i>Renewable Energy Sources: a way ahead</i>” organised by Cummins College of Engineering for Women, Nagpur from 15th - 21st May, 2020. ➤ 17 online Sessions on “<i>Innovation, IPR, Entrepreneurship, and Start-ups</i>” organized by Institution’s Innovation Council (IIC), MHRD’s Innovation Cell, New Delhi from 28th April to 22nd May, 2020. ➤ Online Faculty Development Program on “<i>Outcome Based Education: a step towards excellence</i>” organised by Government College of Engineering, Karad from 11th -15th May, 2020. ➤ Third workshop on “<i>AICTE-UKIERI Technical Leadership Development</i>” from 11th -13th June, 2019 at North Ease Hill University, Shillong, Meghalaya ➤ Second workshop on “<i>AICTE-UKIERI Technical Leadership Development</i>” from 20th -23rd Feb. 2019 at Acarya Institute of Technology, Bengaluru. ➤ First workshop on “<i>AICTE-UKIERI Technical Leadership Development</i>” from 13th -16th Nov. 2018 at AICTE Main Auditorium, New Delhi. ➤ Advanced Training programme on “<i>Energy Efficiency</i>” organised by CII Pune on

	<p>24th and 25th Jan. 2018.</p> <ul style="list-style-type: none"> ➤ Faculty Development Program on “Automation Studio, Prosimulator (Power Plant Simulator), Delcam (CAD/CAM Simulator), Witness Simulation and CNC Simulator” at Department of Mechanical Engineering, BVDUCOE, Pune in association with IndiaSoft Technologies (P) Ltd. Pune 29th June to 3rd July, 2016. ➤ Faculty Development Program on “Industrial Automation”. PVG College of Engineering, Pune, 18th -19th Sept. 2015. ➤ Indo-US Workshop on “Biofuel Combustion and Sprays”. Indian Institute of Science Bangalore, 22nd-23rd June, 2011. ➤ British Council/ IIT Delhi “Intensive English Summer Camp”. Indian Institute of Technology Delhi. 12th -24th July 2010. ➤ Continuing Education Programme on “Computational Fluid Dynamics”. Dr. Babasaheb Ambedkar Technological University Lonere, Raigad, 11th-16th December, 2006.
Research Projects Completed/ Undergoing	<p>Research grant of Rs. 3.00 lacs has been sanctioned through Institutionally Funded Research Project (IFRP) under TEQIP-II for the research project entitled “Experimental Investigation on Thermal and Emission Performance of Four Biomass Cookstoves” Starting Date: 18.05.2016 End Date: 17.05.2018 Principle Investigator: Dr. Kailasnath B Sutar</p> <p>Project Outcomes: Development of Biomass Cookstove Research Laboratory One publication in SCI Journal</p>
Patent Filed/ Published/ Granted	<p><i>Title:</i> An Airfoil for a Blade of a Wind Turbine <i>Patent Application No.</i> 201621025413 dated 25.07.2016 <i>Inventors:</i> Dhurpate Priyanka R. & Sutar Kailasnath B. <i>Applicant:</i> Bharati Vidyapeeth Deemed University College of Engineering Pune <i>Status:</i> Published in 2018 and is now under Examination</p>
Professional Memberships	<p><i>Life Member:</i> ISTE. Membership No. LM27809 dated 15th Oct. 1999</p>
Awards/ Achievements	<ul style="list-style-type: none"> ➤ Awarded with <i>Level 5 Certificate in Management & Leadership</i> by CMI (Chartered Management Institute) UK on 26th Nov. 2019. ➤ Selected for <i>Technical Leadership Development Programme</i> under AICTE- UK India Education Research Initiative (UKIERI) in academic year 2018-19. ➤ <i>Best Researcher Award</i> of Bharati Vidyapeeth Deemed University, Pune on 26th April, 2017. ➤ <i>Academic Excellence Award</i> of Bharati Vidyapeeth University, Pune on 10th May, 2016 ➤ <i>MHRD Scholarship for Research Scholars:</i> at IIT Delhi from 2nd Jan. 2010 to 31st Dec. 2014 ➤ <i>National Merit Scholarship</i> from 1993-1998. ➤ <i>GATE-2006, 2001, 1999 qualified</i>