

	Name	Dr. D. G. Kumbhar				
	Designation	Associate Professor				
	Department	Mechanical				
	Qualification	M.E. (Heat Power), Ph.D. (Mechanical Engg.)				
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	Experience	Teaching :	21 Years	Industry :	01 Years	

Area of Interest	Heat Power			
Publications	International Journal (s):	17	National Journals (s) :	01
	International Conference (s):	02	National Conference:	01
Research Metrics	Google Scholar Citations: 85 H Index: &I 10 Index:05 and 02	SCOPUS Citations: 12 H Index:02	Web of Sci. citations: 08 H Index:02	
Publication Details	Publications in Refereed Journals			
	1. Anjali Rai, Dnyaneshwar G Kumbhar, Kailasnath B Sutar,” Computational Investigation on Natural Convection Heat Transfer In Vertical Plate			
	2. Fin Arrays”, Indian Journal of Science and Technology,14(24): 2069-2080, July 2021			
	3. M.A. Kadam, Dr. D.G. Kumbhar, Dr. A.M. Pawar, “CFD and Experimentation on Heat Transfer Enrichment in Receiver Tube for Parabolic Trough Collector” Test Engineering & Management, ISSN: 0193 Feb2020			
	4. M.A. Kadam, Dr. D.G. Kumbhar, Dr. A.M.Pawar, “Heat Transfer Enhancement of Receiver Tube with Twisted Tape Inserts and Vortex Generator at Different Orientation using CFD Analysis”, International Journal of Advanced Science and Technology, Vol. 29 No. 04 (2020): Vol 29 No. 4 (2020)			
	5. M.A. Kadam, Dr. D.G. Kumbhar, Ashish Mantri, “Heat Transfer Enhancement of Receiver Tube Using Twisted Tape Insert”, IJTIR – June 2018, Volume - 5, Issue – 6,ISSN -2349-5162.pp 452-459			
	6. K B Sutar Nikita Agarwal, D G Kumbhar, ”Numerical Analysis of Heat Transfer Augmentation By Almond Dimples On A Flat Plate”, International Journal for Research Trends and Innovation, 2018/7			
	7. Janvi Mehdiratta , Dr. D. G. Kumbhar Swarn Gaba , Vankatesh Rao,”Heat Transfer Enhancement In Notched Fin Array- A Review”, Global Journal Of Engineering Science And Researches 2019.			
	8. Sumeet Patil, AN Nayak, DG Kumbhar, ”Numerical Analysis Of Heat Transfer Using Almond Dimple In Rectangular Duct”, International Journal of Advance Research, Ideas and Innovations in Technology, Volume 5, Issue 1			
	9. Prof. D. G. Kumbhar and Tushar R. Shinde, “A Review on Experimental and CFD Analysis for Heat Transfer Enhancement in Heat Exchanger Tube using Drilled Twisted Tape Inserts of various Geometries.” International Research Journal of Engineering and Technology, June 2017/Vol-04/Issue- 06/pg no.2043-2047.			

	10. Prof. D. G. Kumbhar and Harshal Pawar, “A review on experimental and numerical analysis of heat transfer using almond dimple on rectangular duct”, June 2017/Vol-04/Issue- 06/pg no.968-972.
	11. Kumbhar D.G. and Patil Sagar, “CFD and Experimental Studies of Heat Transfer and Pressure Drop in a Tube Equipped With Drilled Twisted Tape Inserts”, International Journal of Engineering Research in Mechanical and Civil Engineering, June 2016/vol-01/Issue- 2/pg no 22-26.
	12. Ravindra Edlabadkar, Shankar kadam, Dnyaneshwar Kumbhar, Dr. Satish Kadam “Experimental and computational investigation of low cost standing wave thermoacoustic refrigeration”, International Journal of Mechanical engineering and Techonology, May 2015//vol-06/Issue- 05/pg no 34-40.
	13. Kumbhar D. G., Dr. N. K. Sane ,”Numerical Analysis and Optimization of Heat Transfer and Friction Factor in Dimpled Tube assisted with Regularly Spaced Twisted Tapes using Taguchi and Grey Relational Analysis”, Elsevier, Procedia Engineering, Dec 2015/ Vol-127/Pg No. 652 – 659
	14. Kumbhar D. G., Dr. N. K. Sane, “Exploring Heat Transfer and Friction Factor Performance of a Dimpled Tube Equipped with Regularly Spaced Twisted Tape Inserts” Elsevier, Procedia Engineering, Dec 2015/ Vol-127/Pg No.1142 – 1149
	15. Kumbhar D. G and Anant Joshi, “Analysis of Heat Transfer From Horizontal Rectangular (Square Notched) Fin Arrays by Natural Convection”, International Journal of Engineering Innovation & Research, Dec 2015/ Vol-047/Issue-01.
	16. Kumbhar D.G., Dr. N. K. Sane ,”Numerical investigation of enhanced tubes and optimization using Taguchi approach “,Technical Journal of The Institution of Engineers (India) ,Nov.2014/Vol. 38/Pg. no.259-265. a. *Received 2 nd Prize in Annual paper meet 2014.
	17. Kumbhar D. G., Dr. N. K. Sane,” Enhancement of heat transfer using internally grooved tube “, International Journal of Thermal sciences and engineering. Apil 2012/vol-02/pg no 18-23.
	National Journals
	1.Kumbhar D.G. and Dr. N. K. Sane,” Heat transfer behavior in a tube with conical wire coil inserts.” National Journal of Bharati Vidyapeeth University, (2010) 49-53.
	Conference Proceedings International Conferences/Workshops:
	1. Kumbhar D.G. and Dr. N. K.Sane, “Heat transfer enhancement in a circular tube with twisted tape swirl generator: a review” International Conference on Advances in Mechanical Engg.ICAME-2010 at SVNIT Surat, (2010)455-460.
	2. Kumbhar D. G. and Dr. N. K. Sane,” Exploring heat transfer performance of twisted tape inserts: a review, International Conference ICETE-2010 , Dr.J. J. Magdum, College of Engineering, Jaysingpure, (2010) 287-292.
	Conference Proceedings National Conferences/Workshops:
	1. Kumbhar D. G. and Archit Kumar, “Experimental study on heat transfer augmentation and assessment of a tube fitted with drilled twisted inserts”, National conference on Recent Trends in Mechanical Engineering (NCRTME-2016), at WCOE, Sangli, June 2016.

Books Published	<ol style="list-style-type: none"> 2. Reviewer of book titled “Thermodynamics”, published by McGraw Hill publication India. 3. Reviewer of International Journal “Thermal Science” Publisher: Institute of Nuclear Sciences Vinca, Belgrade, Serbia 4. Reviewer of “Heat transfer- Asian Research” Publisher- John Wiley & Sons, Inc, USA. 5. Reviewer of “Indian Journal of Science and Technology” Publisher-Indian society of Education and Environment, Chennai, India.
workshop/ Seminar organized	<ol style="list-style-type: none"> 1) National Seminar on Research In Renewable Energy- 2017 2) Research In Energy Technologies-2020
workshop/ Seminar/Conference attended	<ol style="list-style-type: none"> 1. “Design of Experiments”, Workshop by Institute of quality and Reliability, Pune, 14-15th March 2015. 2. “Applications of CFD” One week workshop at NWA, Khadkwasala, Pune, 11 -16th March 2013.
Professional Memberships	<ol style="list-style-type: none"> 1. LM-ISTE
Achievements	<ol style="list-style-type: none"> 1. Received 2nd Prize in Annual paper meet 2014 at the Institution of Engineers (India) 2. Received a grant of Rs.50, 000/- from, Bharati Vidyapeeth Deemed University, Pune (Ref. No .BVDU/A14/2011-12/3353). 3. Received Rs-10.0 Lakhs Under MODROBS-2007-08 4. Received Three different prizes for our B. Tech. and M. Tech. Projects, under my guidance in project competitions arranged by SAE, NIT, and MIT