



R&D Data 2019-20

Publications (Journal): Academic Year (June 2019-May 2020)

Sr. No.	Name of Authors	Title of paper	Name of Journal	National/ International	ISSN No.	Vol/ Issue No.	Page No.	Date/Year	Indexing Scopus/ SCI/SCIE/ WoS/ UGC Approved/Other
1.	Monil Yadav (ME Student) Dr S M Sansgiri	CFD Analysis of Diesel Autorickshaw Exhaust System	IOP Conf. Series: Journal of Physics: Conf. Series	International	1742-6596	1240 (2019) 012022	1-9	August 2019	Scopus Indexed Journal and UGC approved
2.	Prof R B Gurav	Development and Validation of Nusselt Number Correlations for Mixed Convection in an Arc-Shape Cavity	International Journal of Engineering and Advanced Technology (IJEAT)	International	ISSN: 2249-8958,	Vol. 9 Issue 1	526-531	October 2019	Scopus Indexed Journal and UGC approved
3.	Prof R B Gurav	Heat transfer enhancement in motor-bike silencer using delta Wing vortex generator	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	International	ISSN: 2249-6890; E-ISSN: 2249-8001	Vol. 10, Issue 2	901-908	April 2020	Scopus Indexed Journal and UGC approved
4.	Dr P M Purohit	Heat transfer enhancement in	International Journal of	International	ISSN: 2249-	Vol. 10, Issue 2	901-908	April 2020	Scopus Indexed Journal and UGC



ARMY INSTITUTE OF TECHNOLOGY
Dighi Hills, Alandi Road, Pune 411015
Department of Mechanical Engineering



		motor-bike silencer using delta Wing vortex generator	Mechanical and Production Engineering Research and Development (IJMPERD)		6890; E- ISSN: 2249- 8001				approved
--	--	-------------------------------------------------------------	--------------------------------------------------------------------------------------------	--	---------------------------------------	--	--	--	----------



ARMY INSTITUTE OF TECHNOLOGY
Dighi Hills, Alandi Road, Pune 411015
Department of Mechanical Engineering



Publications (Conference): Academic Year (June 2019-May 2020)

Sr. No.	Name of Authors	Title of paper	Name of Conference	Local level/ State Level/ National/ International	ISSN	Page No.	Date/Year of Conference	Indexing if any
1.	Prof R B Patil	Tribological behaviour of uncoated steel and fluorocarbon coated steel under dry and lubricated sliding conditions	International Mechanical Engineering Congress 2019: Materials Science.	International	-	-	Dec 2019	-
2.	Dr J D Patil	Experimental Study of Oscillation Flow in Rectangular Minichannel Array	25th National and 3rd International ISHMT-ASTFE Heat and mass transfer conference	International	-	-	28-31 Dec 2019	-
3.	Dr J D Patil	Experimental and Numerical Study of Enhanced Microchannel	25th National and 3rd International ISHMT-ASTFE Heat and mass transfer conference	International	-	-	28-31 Dec 2019	-
4.	Prof P V Dorlikar	Topology Structure Design of Fish Based Propulsive Mechanisms	4th International and 19th National Conference on Machines and Mechanisms (iNaCoMM2019)	International	-	-	5-7 Dec 2019	-
5.	Prof R B Gurav	Experimental study of heat transfer enhancement in novel Padma heat sink minichannel	25th National and 3rd International ISHMT-ASTFE Heat and mass transfer conference	International	-	-	28-31 Dec 2019	-
6.	Dr P M Purohit	Experimental study of heat transfer enhancement in novel Padma heat sink minichannel	25th National and 3rd International ISHMT-ASTFE Heat and mass transfer conference	International	-	-	28-31 Dec 2019	-



ARMY INSTITUTE OF TECHNOLOGY
Dighi Hills, Alandi Road, Pune 411015
Department of Mechanical Engineering



7.	Prof S M Gaikwad	Numerical Investigation of heat transfer and fluid flow characteristics in wavy minichannels with water as working medium	25th National and 3rd International ISHMT-ASTFE Heat and mass transfer conference	International	-	-	28-31 Dec 2019	-
8.	Prof S M Gaikwad	Experimental study of heat transfer enhancement in novel Padma heat sink minichannel	25th National and 3rd International ISHMT-ASTFE Heat and mass transfer conference	International	-	-	28-31 Dec 2019	-



ARMY INSTITUTE OF TECHNOLOGY
Dighi Hills, Alandi Road, Pune 411015
Department of Mechanical Engineering



Book Article/ Chapter published: Academic Year (June 2019-May 2020)

Sr. No.	Name of Authors	Title	ISBN	National/International	Vol	Page No.	Publisher Details	Date/Year
1.	Prof P V Dorlikar	CAD/CAM and Automation	978-93-5224-071-5	National	-	7.1-7.43	Tech-Max Publications	2019

Book Published: Academic Year (June 2019-May 2020)

Sr. No.	Name of Authors	Title	ISBN	Local/ National/ International	Publisher Details	Edition	Date/Year
1.	Prof R B Patil	Design Data Handbook	ISBN: 978-93-89503-30-2	National	www.techknowledgebooks.com	-	2019
2.	Prof R B Patil	Computer Integrated Manufacturing	ISBN: 978-93-89684-48-3	National	www.techknowledgebooks.com	-	2019
3.	Prof R B Patil	Design of Machine Elements - I	ISBN: 978-93-89233-77-3	National	www.techknowledgebooks.com	-	2019