

## Conference publications (National and International)

Authors	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Year	ISSN	Publisher
<b>A. Y. 2016-17</b>						
V. K. Haribhakt, Shrikant B. Patil, Sujit S. Pardeshi	Experimental Investigation for Microwelding of 304 Stainless Steel Thin Sheets using low Power Fiber Laser	Experimental Investigation for Microwelding of 304 Stainless Steel Thin Sheets using low Power Fiber Laser	6 <sup>th</sup> International & 27 <sup>th</sup> All India Manufacturing Technology, Design And Research Conference (AIMDR2016)	2016	-	COEP
Prabhune BC, Rathod AL, Waghulke DV, Zambre PV, Baj GR, D. W. Pande	Development Of A Cost-Effective, Generic Attitude Control And Determination System Testbed For Small Satellites	Development Of A Cost-Effective, Generic Attitude Control And Determination System Testbed For Small Satellites	29 <sup>th</sup> Space Simulation Conference, November 14-17, 2016, Annapolis, Maryland Us	2016	-	Institute of Environmental Sciences and Technology
Parag Chaware, C. M. Sewatkar	Effects of Tangential Velocity on Fluid Flow and Heat Transfer for Turbulent Flow through the Pipe with Twisted Tape Insert	Effects of Tangential Velocity on Fluid Flow and Heat Transfer for Turbulent Flow through the Pipe with Twisted Tape Insert	Proceedings Of The 6 <sup>th</sup> International And 43 <sup>rd</sup> National Conference On Fluid Mechanics And Fluid Power, Dec 15-17, 2016,	2016	-	Motilal Nehru National Inst of Technology, Allahabad
Mayur Patil, Mustafa Abbas, Ajike Patil and C. M. Sewatkar	On the Effect of Reynolds Number and Spacing Ratio on Flow through a 4 x 4 Array of Square Cylinders with LBM	On the Effect of Reynolds Number and Spacing Ratio on Flow through a 4 x 4 Array of Square Cylinders with LBM	Proceedings Of The 6 <sup>th</sup> International And 43 <sup>rd</sup> National Conference On Fluid Mechanics And Fluid Power, Dec 15-17, 2016,	2016	-	Motilal Nehru National Inst of Technology, Allahabad
Mayur Patil, Mustafa Abbas, Ajike Patil and C. M. Sewatkar	Force Scatter Analysis of Flow through a Bundle of Square Cylinders Using LBM	Force Scatter Analysis of Flow through a Bundle of Square Cylinders Using LBM	Proceedings Of The 6 <sup>th</sup> International And 43 <sup>rd</sup> National Conference On Fluid Mechanics And Fluid Power, Dec 15-17, 2016,	2016	-	Motilal Nehru National Inst of Technology, Allahabad
Lahorkar Ashwin, Kotkar Sanket, Kulkarni Shubham, C. M. Sewatkar	Effect of Moving Lid on Heat Transfer and Fluid Flow in Differentially Heated Square cavity	Effect of Moving Lid on Heat Transfer and Fluid Flow in Differentially Heated Square cavity	Proceedings Of The 6 <sup>th</sup> International And 43 <sup>rd</sup> National Conference On Fluid Mechanics And Fluid Power, Dec 15-17, 2016,	2016	-	Motilal Nehru National Inst of Technology, Allahabad
Mayur Patil and C. M. Sewatkar	Fluid Flow and Heat transfer from Two Side by Side Heated Square Cylinders	Fluid Flow and Heat transfer from Two Side by Side Heated Square Cylinders	Proceedings Of The 6 <sup>th</sup> International And 43 <sup>rd</sup> National Conference On Fluid Mechanics And Fluid Power, Dec 15-17, 2016,	2016	-	Motilal Nehru National Inst of Technology, Allahabad
Divyaj Shah, ketki Godbole, C. M. Sewatkar	Numerical analysis of forced convection in a lid driven cavity with different heat sources placed along the bottom wall	Numerical analysis of forced convection in a lid driven cavity with different heat sources placed along the bottom wall	Proceedings Of The 6 <sup>th</sup> International And 43 <sup>rd</sup> National Conference On Fluid Mechanics And Fluid Power, Dec 15-17, 2016,	2016	-	Motilal Nehru National Inst of Technology, Allahabad
Patil M. Y., Patil A. J., Sewatkar C.	Effect of location of heat source and Rayleigh number on natural convection in a square cavity using thermal lattice Boltzmann method	Effect of location of heat source and Rayleigh number on natural convection in a square cavity using thermal lattice Boltzmann method	ICCMS2016, IIT Bombay, Mumbai, India, June 27-July	2016	-	IIT Bombay
Selmokar P. H., Pardeshi S. S., Shubham Patil, Sanil Patil	Influence of process parameter during machining of graphite using micro-wire electric discharge machine	Influence of process parameter during machining of graphite using micro-wire electric discharge machine	6 <sup>th</sup> International & 27 <sup>th</sup> All India Manufacturing Technology, Design And Research Conference (AIMTDR2016)	2016	-	COEP
S.H.Wankhade, B.M. Dabade, M.P.Khond	Abrasive Assisted Electrical Discharge Machining: An Innovative Hybrid Approach	Abrasive Assisted Electrical Discharge Machining: An Innovative Hybrid Approach	International Conference On Material Manufacturing And Design Engineering(ICMMD 2016)December20-21,2016	2016	-	MIT Aurangabad
Mohan Khond, Shrinivas Patil, Swapnil Sonawane, Chaitanya Shrishrimal and Aarti Bhattu	Improving Quality of Technical Education by Quality Function Deployment	Improving Quality of Technical Education by Quality Function Deployment	International Conference At Detroit Lawrence Tech Campus, USA September 24, 2016.	2016	-	Tech Campus Detroit
Mohan Khond, Mustafa Abbas, Harsh Balhalmith and Nishant Bidchandani	Growth of Food Tech: A Comparative Study of Aggregator Food Delivery Services in India	Growth of Food Tech: A Comparative Study of Aggregator Food Delivery Services in India	leom International Conference At Detroit Lawrence Tech Campus, Usa September 24, 2016.	2016	-	Tech Campus Detroit
Suraj Tat, Mundra S.S., Pardeshi S.S., Patil S.R.	Reinforcement of Graphene in Aluminium Metal-matrix Composite	Reinforcement of Graphene in Aluminium Metal-matrix Composite	6 <sup>th</sup> International & 27 <sup>th</sup> All India Manufacturing Technology, Design And Research Conference (AIMTDR2016)	2016	-	COEP
Dandekar V.S., Bulbule N.B., Chaudhari A.S., and Bhavikatti S.S.	Experimental Investigations into Low Power Micro Laser Clad Surfaces	Experimental Investigations into Low Power Micro Laser Clad Surfaces	6 <sup>th</sup> International & 27 <sup>th</sup> All India Manufacturing Technology, Design And Research Conference (AIMTDR2016)	2016	-	COEP
S. S. Pardeshi, B. B. Deshmukh	Development of a precision experimental setup for a flexure based micro motion amplifier	Development of a precision experimental setup for a flexure based micro motion amplifier	International Conference On Research Into Design, 9-11 January, Guwahati, India	2016	-	IIT Guwahati
V. K. Tripathi, Rahul Rundive, Anagha Bhagat	Increasing energy efficiency by optimized cryogenic capable pressure vessel for liquid hydrogen fuel in automobile	Increasing energy efficiency by optimized cryogenic capable pressure vessel for liquid hydrogen fuel in automobile	World Congress On Engineering And Applications (WCEA – 2016) Bangkok, Thailand 16-17 Dec. 2016	2016	-	Asian Society for Research in Engineering Sciences (ASRES)
Vardhan Kanekal, Rishabh Jain, D.	Design and Analysis of a Cage-less Differential using Face Gears	Design and Analysis of a Cage-less Differential using Face Gears	COMET17, (U.P.)	2017	-	IITBHU, Varanashi
Niyaj D Shikalgar, S. N. Sapali, An	Exergy Analysis Of The Refrigerator With Eco-Friendly Refrigerants	Exergy Analysis Of The Refrigerator With Eco-Friendly Refrigerants	2 <sup>nd</sup> National Conference On Research & Developments In	2017	-	G.H. Raisoni College of Engineering V
Kaushal P. Patil, S. N. Sapali, A.M. Deshmukh	Numerical Simulation of Energy Efficient Air Cooler	Numerical Simulation of Energy Efficient Air Cooler	2 <sup>nd</sup> National Conference On Research & Developments In Mechanical Engineering" At, Pune On 09 <sup>th</sup> -10 <sup>th</sup> Feb2017	2017	-	G.H. Raisoni College of Engineering Wagholi
Pawan P. Pawar, S. N. Sapali	Design, Development, and Analysis of Operating Machine for Animal Husbandry	Design, Development, and Analysis of Operating Machine for Animal Husbandry	2 <sup>nd</sup> National Conference On Research & Developments In Mechanical Engineering" At, Pune On 09 <sup>th</sup> -10 <sup>th</sup> Feb2017	2017	-	G.H. Raisoni College of Engineering Wagholi
Sanket Muley, M R Nandgaonkar	Performance, combustion and emission analysis of compression ignition engine fuelled with blends of fish oil biodiesel	Performance, combustion and emission analysis of compression ignition engine fuelled with blends of fish oil biodiesel	1 <sup>st</sup> International And 18 <sup>th</sup> Isme Conference On Enabling Sustainable Development In Mechanical Engineering, NIT, Warangal, 23-25 February, 2017.	2017	-	NIT, Warangal
<b>A. Y. 2017-18</b>						
C. S. Choudhari, S. N. Sapali	Experimental Performance analysis of Refrigerant R 290 for water cooler application.	Experimental Performance analysis of Refrigerant R 290 for water cooler application.	Presented At "Icmescoe-2017" At MES COE , PUNE	2017	-	MES COE , PUNE
A. M. Deshmukh S. N. Sapali	Performance Evaluation of a Mist Spray Direct Evaporative Cooler	Performance Evaluation of a Mist Spray Direct Evaporative Cooler	Presented At "Icmescoe-2017" At MES COE , PUNE	2017	-	MES COE , PUNE
N. D. Shikalgar, S. N. Sapali	Numerical and Thermal Analysis of Condensers	Numerical and Thermal Analysis of Condensers	Presented At "Icmescoe-2017" At MES COE , PUNE	2017	-	MES COE , PUNE
Madhuri G. Karnik, Deepak P. Hujare,	Vibration responses of parallel misalignment in Al shaft rotor-bearing system with rigid coupling.	Vibration responses of parallel misalignment in Al shaft rotor-bearing system with rigid coupling.	Advances in Materials and Manufacturing Applications (IConAMMA 2017) during 17th - 19th August, 2017 Amrita School of Engineering, Bengaluru Campus	2017	-	Materials Today: Proceedings,
M. R. Nandgaonkar	Comparison and Evaluation of Engine Performance, Emission, Noise and Wear of Diesel and Karanja Oil Methyl Ester Biodiesel in a 980HP Military Turbo Charged CIDI Engine.	Comparison and Evaluation of Engine Performance, Emission, Noise and Wear of Diesel and Karanja Oil Methyl Ester Biodiesel in a 980HP Military Turbo Charged CIDI Engine.	ASME 2017, International Mechanical Engineering Congress& Exposition, IMECE2017, November 3-9, 2017, Tampa, Florida, Usa.Isbn: 978-0-7918-5841-7	2017	-	ASME
Divyan Jaju, M. G. Karnik	Study of Occupant Safety by Full Frontal Crash Simulation	Study of Occupant Safety by Full Frontal Crash Simulation	2Nd World Congress On Engineering And Applications (WCEA – 2017), Pattaya	2017	-	Asian Society for Research in Engineering Sciences (ASRES)
M. R. Nandgaonkar	Combustion characterization of laser ignition of methane-air mixture in a constant volume combustion chamber	Combustion characterization of laser ignition of methane-air mixture in a constant volume combustion chamber	Proceedings Of The 24 <sup>th</sup> national And 2nd International ISHMT-ASTFE Heat And Mass Transfer Conference (Ihmtc-2017), December 27-30, 2017, BITS Pilani, Hyderabad	2017	-	BITS Pilani
Bhupesh Agrawal, Mohit Verma, C. M. Sewatkar	Thermal management and sensitivity study of air cooled SMPM motor	Thermal management and sensitivity study of air cooled SMPM motor	Symposium On International Automotive Technology 2017	2017	-	ARAI
M. R. Nandgaonkar	Laser Ignition with Internal Combustion Engine: Review	Laser Ignition with Internal Combustion Engine: Review	International Conference On Sustainable Energy And Env	2018	-	Indian Institute Of Science Bangalore.
M. R. Nandgaonkar	Review: Laser Ignition with Liquid Fuels	Review: Laser Ignition with Liquid Fuels	International Conference On Sustainable Energy And Env	2018	-	Indian Institute Of Science Bangalore.
K S Khedkar S. N. Sapali	Performance analysis of Portable air conditioner of HC 290	Performance analysis of Portable air conditioner of HC 290	Presented At NCRAC , 2018 NIT, Warangal	2018	-	NIT, Warangal

J S Pal, S. N. Sapali	Evaluation of Irreversibility Rate In Marine Boiler For Formulating The Performance Of Thermal Plant By The Exergy Method	Evaluation of Irreversibility Rate In Marine Boiler For Formulating The Performance Of Thermal Plant By The Exergy Method	ICER-454th International Conference On "Heat Transfer And Fluid Flow (CHITFF)" At Philadelphia, USA On 28-29 December 2018.	2018	-	The International Society for Engineers and Researchers
N D Shikalgar , S N Sapali	Performance Analysis Of A Household Refrigerator Retrofitted With Shell And Tube Water-Cooled Heat Exchanger	Performance Analysis Of A Household Refrigerator Retrofitted With Shell And Tube Water-Cooled Heat Exchanger	ICER-454th International Conference On "Heat Transfer And Fluid Flow (CHITFF)" At Philadelphia, Usa On 28-29 December 2018.	2018	-	The International Society for Engineers and Researchers
A M Deshmukh, S. N. Sapali	Performance Evaluation Of Mist Spray Direct Evaporative Cooler Through Experimentation And Its Comparison With Conventional Evaporative Cooler With Honeycomb Pad Arrangement	Performance Evaluation Of Mist Spray Direct Evaporative Cooler Through Experimentation And Its Comparison With Conventional Evaporative Cooler With Honeycomb Pad Arrangement	ICER-454th International Conference On "Heat Transfer	2018	-	The International Society for Engineer
Shailesh S. Kadre and Vipin K. Tripathi	Constrained Optimization by Sub-region based Best Surrogate Models	Constrained Optimization by Sub-region based Best Surrogate Models	In Proc Of 1st Asres Int. Conf. On Modeling, Analysis And Optimization(Mao-2018), 9-11 Jul 2018, Amsterdam, Netherlands	2018	-	ASRES, Amsterdam, Netherlands
Prashant kumar, P. S. Shinde, H. P. Shinde, A. S. Todkar	Fatigue behavior at elevated temperature of a cracked aluminum alloy panel repaired with a FRP patch	Fatigue behavior at elevated temperature of a cracked aluminum alloy panel repaired with a FRP patch	ICFC 7- The 7th International Conference On The Fatigue Of Composites, 4-6 July 2018, Vicenza, Italy	2018	-	University of Padova,
<b>A. Y. 2018-19</b>						
Nikhil Naik, Ritesh Solanki, C. M.	Experimental Investigation on Flow around Two Rotating cylinders in Tandem Arrangement	Experimental Investigation on Flow around Two Rotating cylinders in Tandem Arrangement	Proceedings Of The 7th International And 45th National Conference On Fluid Mechanics And Fluid Power (FMFP)	2018	-	IIT Bombay
Ritesh Solanki, Nikhil Naik, C. M.	Experimental Investigation on Flow around Two counter Rotating cylinders in Tandem Arrangement	Experimental Investigation on Flow around Two counter Rotating cylinders in Tandem Arrangement	Proceedings Of The 7th International And 45th National Conference On Fluid Mechanics And Fluid Power (FMFP)	2018	-	IIT Bombay
Tanmay M. Khare, Atharv A. Naik	Numerical Investigation of Transient Heat Transfer for Flow across a Row of Heated Square Cylinders	Numerical Investigation of Transient Heat Transfer for Flow across a Row of Heated Square Cylinders	Proceedings Of The 7th International And 45th National Conference On Fluid Mechanics And Fluid Power (FMFP)	2018	-	IIT Bombay
Jerrin Job, Prathamesh Mhatre, Rav	Flow Around an Array of Circular Heated Bodies	Flow Around an Array of Circular Heated Bodies	Proceedings Of The 7th International And 45th National Conference On Fluid Mechanics And Fluid Power (FMFP)	2018	-	IIT Bombay
Parag Chaware and C. M. Sewatkar	Flow reversal in a pipe with d tape inserts	Flow reversal in a pipe with d tape inserts	Proceedings Of The 7th International And 45th National Conference On Fluid Mechanics And Fluid Power (FMFP)	2018	-	IIT Bombay
Parag Chaware and C. M. Sewatkar	Flow transitions flow flow through a pipe with twisted tape inserts	Flow transitions flow flow through a pipe with twisted tape inserts	Proceedings Of The 7th International And 45th National Conference On Fluid Mechanics And Fluid Power (FMFP)	2018	-	IIT Bombay
Prabhakar Naik, Jayant Unde, Bhush	Cold Gas Propulsion System for Hyperloop Pod	Cold Gas Propulsion System for Hyperloop Pod	International Conference On Recent Advances In Fluid And Thermal Sciences (ICRAFT2018)	2018	-	BITS Pilani
Sumit Tripathi, Ramesh Singh, Rishi	Pipeline transportation of highly concentrated w/o emulsion using water lubricated core-annular flow (CAF)	Pipeline transportation of highly concentrated w/o emulsion using water lubricated core-annular flow (CAF)	Proceedings Of The 7th International And 45th National Conference On Fluid Mechanics And Fluid Power (FMFP)	2018	-	IIT Bombay
N D Dhote, Yogesh Waykar, M P Khond	Numerical and cavitation analysis of Centrifugal Pump	Numerical and cavitation analysis of Centrifugal Pump	NCTEP -19.Issn 2394-3696.D Y Patil College Of Engg And Innovation Varale,Pune	2019	-	D Y Patil College Of Engg
Shankar Durgam	Proceedings Of COMSOL Conference Bangalore 2019, India	Numerical simulation of electronic chip and sink in a horizontal channel under laminar forced convection	Proceedings Of COMSOL Conference Bangalore 2019, I	2019	-	COMSOL
Shankar Durgam	Proceedings Of COMSOL Conference Bangalore 2019, India	Electronic thermal control using heat sink for	Proceedings Of COMSOL Conference Bangalore 2019, I	2019	-	COMSOL
Shankar Durgam	Proceedings Of COMSOL Conference Bangalore 2019, India	Heat transfer enhancement from heated blocks under laminar natural convection in a vertical channel	Proceedings Of COMSOL Conference Bangalore 2019, I	2019	-	COMSOL
<b>A. Y. 2019-20</b>						
Shankar Durgam	Natural Convection Cooling of Square Heat Source	Natural Convection Cooling of Square Heat Source	25th National And 3rd International ISHMT-ASTFE	2019	-	IIT Roorkee
Shankar Durgam	Novel Concept of Heated Modules with Dummy	Novel Concept of Heated Modules with Dummy	25th National And 3rd International ISHMT-ASTFE	2019	-	IIT Roorkee
Shankar Durgam	Effect of Orientation of Heated Modules in a	Effect of Orientation of Heated Modules in a	25th National And 3rd International ISHMT-ASTFE	2019	-	IIT Roorkee
Shankar Durgam	Thermal Performance of Heated Modules Cooled by Natural Convection in a Horizontal Channel	Thermal Performance of Heated Modules Cooled by Natural Convection in a Horizontal Channel	25th National And 3rd International ISHMT-ASTFE	2019	-	IIT Roorkee
Shankar Durgam., M. R. Nandgaonkar	Natural Convection Cooling of Square Heat Source Array in a Horizontal Channel	Natural Convection Cooling of Square Heat Source Array in a Horizontal Channel.	25th National And 3rd International ISHMT-ASTFE	2019	-	IIT Roorkee
Santoshkumar V. Wagh, Dhananjay V. Bhatt, Jyoti V. Menghani, & Sujit S. Pardeshi	Lecture Notes in Mechanical Engineering	Optimization of laser hardening process parameters for cast iron using a design of experiment method	International Conference On Advances In Mechanical Processing And Design – 2019 (icampd-2019), Kalinga Institute Of Industrial Technology (Kii), Formerly Kii University, Bhubaneswar, Odisha, India. 18th-19th	2019	2195-4364	Springer
S. V. Wagh, Sudeep Ingole, D. V. Bhatt, J. V. Menghani and M. J. Rathod	TMS 2019 148th Annual Meeting & Exhibition Supplemental Proceedings in The Minerals, Metals & Materials Series	Effect of Process Parameters on Surface Properties of Laser-Hardened Cast Iron	The Minerals, Metals & Materials Society (Ed.), Tms 2019 148th Annual Meeting & Exhibition Supplemental Proceedings, The Minerals, Metals & Materials Series	2019	2367-1696	Springer
H. P. Shinde, P. Kumar, M. G. Karnik, P. S. Shinde & G. Prajapat	Fatigue, Durability, and Fracture Mechanics 2019	Numerical simulation of fatigue crack growth in a pre-cracked thin plate repaired with a FRP patch	Proceedings Of 3rd International Conference On Fatigue, Durability And Fracture Mechanics, 29th-31st August 2019	2019	2195-4356	Springer
S S Patil, M R Nandgaonkar	Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy in Advances in Intelligent Systems and Computing	Spray behavior analysis of ethanol, methanol fuels.	1st International Conference On Mathematical Modeling, Computational Intelligence Techniques And Renewable Energy	2019	2194-5357	Springer
A. B. Shinde, S. N. Sapali	Advances in Air Conditioning and Refrigeration in Lecture Notes in Mechanical Engineering	Waste heat recovery from walls of the combustion chamber of a new portable jiggery plant to dry bagasse.	International Conference On Recent Advancement In Air-bagasse.	2019	2195-4356	Springer
Shankar Durgam., M. R. Nandgaonkar, Sweta Bhongade, Snehal Shinganjade, Pravin Rathod and Subhad Atarkar, P. W.	Forced Convection Cooling of Heated Modules in Vertical Channel	Forced Convection Cooling of Heated Modules in Vertical Channel	25th National And 3rd International ISHMT-ASTFE	2020	-	IIT Roorkee
Santoshkumar V. Wagh, Dhananjay V. Bhatt, Jyoti V. Menghani, Sujit S. Pardeshi & Bhawesh R. Deshmukh	IOP Conf. Series: Materials Science and Engineering	Experimental investigation and effects of laser hardening process parameters on microhardness of En24 steel	International Conference On Sustainable Innovations In C	2020	1757-8981	IOP Publishing
Santoshkumar V. Wagh, Dhananjay V. Bhatt, Jyoti V. Menghani, Shivnanda S. Bhavikatti	IOP Conf. Series: Materials Science and Engineering	Effects of laser hardening process parameters on hardness depth of laser treated Ck45 steel specimens	2nd International Conference On, Emerging Trends In Manufacturing, Engines And Modelling (Icemem - 2019), 23rd – 24th December 2019, Mukesh Patel School Of Technology Management And Engineering.	2020	1757-8981	IOP Publishing
<b>A. Y. 2020-21</b>						
S S Patil, M R Nandgaonkar	Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy	Study of Combustion Characteristics of Laser Ignited Gasoline-air mixture	1st International Conference On Mathematical Modeling, Computational Intelligence Techniques And Renewable Energy	2020	2194-5357	Springer
Haribhakti V K. Trimbake S B. Tejas Sankhapal	CFD Analysis of waste heat recovery system of diesel generator set	CFD Analysis of waste heat recovery system of diesel generator set	Smart Technologies For Energy, Environment And Sustainable Development ,G S Raison College Nagpur	2020	-	G S Raison College Nagpur
A. B. Shinde, S N Sapali, Y. V. Sonone	Intelligent Electrical Systems: A Step towards Smarter Earth	Bagasse drying by waste heat recovery from surrounding walls of the combustion chamber of a jiggery plant	International Conference On Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER – 2019)	2021	9.78043E+12	CRC Press
S. N. Sapali, N. D. Shikalgar	Intelligent Electrical Systems: A Step towards Smarter Earth	Analytical Modeling and Simulation of a Hot-Wall Condenser Applied to Domestic Refrigerator	International Conference On Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER – 2019)	2021	9.78043E+12	CRC Press

S. N. Sapali, N. D. Shikalgar	Intelligent Electrical Systems: A Step towards Smarter Earth	Experimental Investigation of Solar energy-assisted DC Refrigerator	International Conference On Industrial Electronics, Mechatronics, Electrical & Mechanical Power (IEMPOWER – 2019)	2021	9,78043E+12	CRC Press
Krishna Dighe, Krushankar Pore	AIP Conference Proceedings	Design and Analysis of Two Wheeler (Bike) Chassis under Acceleration and Braking Condition	International Conference on Recent Innovations in Science and technology 2021	2021	0094-243X	AIP
Sakshi Pawar, Saloni Thakur, Vinayak Marudwar, Kshitija Jiddewar	AIP Conference Proceedings	Steel Wheel rim optimization for different vent hole shapes for tube type commercial vehicle wheel of 7.5 -20 Profile	International Conference on Recent Innovations in Science and technology 2021	2021	0094-243X	AIP
S S Mundra, S S Pardeshi	IOP Conference Series: Materials Science and Engineering	Latent heat energy storage system using phase change materials and techniques for their performance improvement: A Review	3rd International Conference on trends in Material Science and Inventive Materials (ICTMIM 2021) 12th-13th March 2021, Coimbatore, India	2021	1757-8981	IOP Publishing
S. S. Mundra, S.S. Pardeshi, S.S. Bhavikatti, Atul Nagras	Materials Today: Proceedings	Development of an integrated physical vapour deposition and chemical vapour deposition system	The 28th International Conference On Processing And Fabrication Of Advanced Materials (PFAM28), Materials Today: Proceedings, Vol. 46, No. 2, 2021	2021	2214-7853	Elsevier
Manisha Yadav, Suhas Mohite, Mansin	Indian Institute of Technology Kharagpur, India	A Comparative Study of Vibration Signature and Acoustic Emission in Diagnosing Gearbox faults	Proceedings Of The Online Conference On	2021	-	Accepted
PoonamDeshmukh, AmbarChoubey, A.N. Jinoop, C.P Paul, S.S. Mohiteand K.S. Bindra	Advances in Materials and Mechanical Engineering in Lecture Notes in Mechanical Engineering	Laser Polishing of Laser Additive Manufactured Hastelloy-X	ICFTMME-2020: International Conference on Future Tre	2021	2195-4356	Springer
Shankar Durgam, PriyankaDattar, OnkarTawase, Dipak Savant, Ganesh Tapkir, Ravi M. Warkhedkar, Nikita M. Gawari	IOP Conference Series: Materials Science and Engineering	Materials selection for hybrid and electric vehicle battery pack thermal management: A review	3rd International Conference on trends in Material Science and Inventive Materials (ICTMIM 2021) 12th-13th March 2021, Coimbatore, India	2021	1757-8981	IOP Publishing
Sachin Kandharkar, Sujit Pardeshi, Vaibhav Thorat, Bhagyesh Deshmukh	Materials Today: Proceedings	Effect of Combination of Flexure Joints and Material Used on Performance of Compliant Pantograph Mechanism	The 28th International Conference On Processing And Fabrication Of Advanced Materials (PFAM28), Materials Today: Proceedings, Vol. 46, No. 2, 2021	2021	2214-7853	Elsevier
Kaushal Kulkarni	Materials Today: Proceedings	Prediction of welding residual stresses using Artificial Neural Network (ANN)	The 28th International Conference On Processing And Fabrication Of Advanced Materials (PFAM28), Materials Today: Proceedings, Vol. 46, No. 2, 2021	2021	2214-7853	Elsevier
H. S. Khade, A. D. Patange, S. S. Pardeshi, R. Jegadeeshwaran	Materials Today: Proceedings	Design of Bagged Tree Ensemble for carbide coated inserts fault diagnosis	The 28th International Conference On Processing And Fabrication Of Advanced Materials (PFAM28), Materials Today: Proceedings, Vol. 46, No. 2, 2021	2021	2214-7853	Elsevier
S. S. Mundra, S. S. Pardeshi, S. S. Bhavikatti, Atul Nagras	Materials Today: Proceedings	Development of an Integrated Physical Vapour Deposition and Chemical Vapour Deposition System	The 28th International Conference On Processing And Fabrication Of Advanced Materials (PFAM28), Materials Today: Proceedings, Vol. 46, No. 2, 2021	2021	2214-7853	Elsevier
Abhishek D. Patange, R. Jegadeeshwaran	Materials Today: Proceedings	Review on tool condition classification in Milling: A machine learning approach	The 28th International Conference On Processing And Fabrication Of Advanced Materials (PFAM28), Materials Today: Proceedings, Vol. 46, No. 2, 2021	2021	2214-7853	Elsevier
KA Ajayam, R Jegadeeshwaran, G Sakthivel, R Sivakumar, AD Patange	Materials Today: Proceedings	Condition monitoring of carbide and non-carbide coated tool insert using decision tree and random tree-A statistical learning	The 28th International Conference On Processing And Fabrication Of Advanced Materials (PFAM28), Materials Today: Proceedings, Vol. 46, No. 2, 2021	2021	2214-7853	Elsevier
Aravind Sridharan, Jagadeeshwaran R., Abhishek Patange	Journal of Physics: Conference Series	Vibration based tool condition monitoring - a machine learning approach	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Ameya Zarkar, Abhishek Patange, S. S. Pardeshi, Kshitiz Verma	Journal of Physics: Conference Series	Augmentation of decision tree model through tuning of hyper-parameters for monitoring of cutting tool faults	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Nihal Dhote, Mohan Khond, Shadab Sheikh, Abhishek Patange	Journal of Physics: Conference Series	Performance and ferrography analysis for determining the wear of an external gear pump	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Kshitiz Verma, Abhishek Patange, S. S. Pardeshi, Amey Zarkar	Journal of Physics: Conference Series	A robust k-Nearest Neighbors (knn) model for fault diagnosis of cutting tool	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Rugved Wakchaure, Abhishek Patange, Sujit Pardeshi	Journal of Physics: Conference Series	Use of micro-electro-mechanical system (MEMS) based low-cost accelerometers for vibration monitoring	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Aditya Medhi, Abhishek Patange, Sujit Pardeshi	Journal of Physics: Conference Series	Overview of contemporary smart systems driven by open-design movement	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Sonali Patil, Sujit Pardeshi, Abhishek Patange	Journal of Physics: Conference Series	Deep Learning Algorithms for Tool Condition Monitoring in Milling: A Review	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Nagesh Tambake, Bhagyesh Deshmukh, Abhishek Patange	Journal of Physics: Conference Series	Data driven hobbing tool fault diagnosis system using machine learning approach	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Aditya Patil, Abhishek Patange, Sujit Pardeshi	Journal of Physics: Conference Series	A low-cost smart systems based on an open source platform 'Arduino'	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Parag Marathe, Sujit Pardeshi and Bhagyesh Deshmukh	Journal of Physics: Conference Series	Development of Compact Amplifier Compliant Mechanism for Micro/Macro Positioning Systems	International Virtual Conference On Intelligent Robotics, Mechatronics And Automation Systems (IRMAS 2021)	2021	1742-6588	IOP Publishing
Shankar Durgam, Ajinkya Bhosale Vivek Bhosale, Revati Deshpande, Pankaj Sutar	IOP Conference Series: Materials Science and Engineering	Thermal aspect of material selection for substrate board equipped with high heat flux IC chips	International Conference On Inventive Research In Material Science And Technology (ICIRMCT 2021), Organized By RVS Technical Campus, Coimbatore, India On 22-23 January 2021	2021	1757-8981	IOP Publishing
Shankar Durgam, Pravinkumar S. Bansode	The proceedings of 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE)	Numerical Simulation of Diesel Particulate Filter to Predict the Pressure Drop	IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference On Nascent Technologies In Engineering (ICNTE 2021), FCRT, Navi Mumbai, India, January 15-16, 2021	2021	978-1-7281-9062-4	IEEE
Shankar Durgam, Ajinkya Bhosale Vivek Bhosale, Revati Deshpande, Pankaj Sutar	The proceedings of 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE)	Ensemble Learning for Predicting Temperature of Heat Sources to avoid Electronic Failures	IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference On Nascent Technologies In Engineering (ICNTE 2021), FCRT, Navi Mumbai, India, January 15-16, 2021	2021	978-1-7281-9062-4	IEEE
Shankar Durgam, Lokesh Bawankule, Prasad Khindkar	The proceedings of 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE)	Prediction of Fault Detection Based on Vibration Analysis for Motor Applications	International Conference On Nascent Technologies In Engineering (ICNTE 2021), FCRT, Navi Mumbai, India, January 15-16, 2021	2021	978-1-7281-9062-4	IEEE
Shankar Durgam, Ganesh Kadam	The proceedings of 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE)	Investigation of thermal properties and heat transfer performance of nanofluids	International Conference On Nascent Technologies In Engineering (ICNTE 2021), FCRT, Navi Mumbai, India, January 15-16, 2021	2021	978-1-7281-9062-4	IEEE
Shankar Durgam, Ajinkya Bhosale Vivek Bhosale, Revati Deshpande, Pankaj Sutar	Special Issue on Applied Analysis, Computation and Mathematical Modelling in Engineering, Journal of Computational and Applied Mathematics	Heat transfer enhancement from IC chips on conductive substrates subjected to high heat fluxes	1st International Conference On Applied Analysis, Computation And Mathematical Modelling In Engineering (AACMME 2021), Organized By National Institute Of Technology Raurlkola, Odisha, India 24and -1st International Conference On Applied Analysis, Computation And Mathematical Modelling In Engineering (AACMME 2021), Organized By National Institute Of Technology Raurlkola, Odisha, India 24and -	2021	0377-0427	Elsevier
Shankar Durgam, Ajinkya Bhosale Vivek Bhosale, Revati Deshpande, Pankaj Sutar, Subodh Kamble	Special Issue on Applied Analysis, Computation and Mathematical Modelling in Engineering, Journal of Computational and Applied Mathematics	XG Boost Algorithm for Temperature Prediction of IC Chips". 1st International Conference on Applied Analysis	1st International Conference on Applied Analysis, Computation And Mathematical Modelling In Engineering (AACMME 2021), Organized By National Institute Of Technology Raurlkola, Odisha, India 24and -	2021	0377-0427	Elsevier
Shankar Durgam., Aniket Kale, Nil	IOP Conference Series: Materials Science and Engineering	Thermal analysis of fin materials for engine cylinder heat transfer enhancement	3rd International Conference On	2021	1757-8981	IOP Publishing
Shankar Durgam., Vikrant Mahesh	IOP Conference Series: Materials Science and Engineering	Experimental and Numerical Studies on Materials for Electric Vehicle Chassis	3rd International Conference On	2021	1757-8981	IOP Publishing
Shankar Durgam., Priyanka Dattar, Onkar Tawase, Dipak Savant, Ganesh Tapkir,	IOP Conference Series: Materials Science and Engineering	Materials for Hybrid and Electric Vehicles Battery Pack Thermal Management: A Review	3rd International Conference On	2021	1757-8981	IOP Publishing
Shankar Durgam., and M. P. Khond	5-6th Thermal and Fluids Engineering Conference (TFEC)	Conjugate heat transfer enhancement using optimal placement of heated modules under forced convection	5th - 6th Thermal And Fluids Engineering Virtual Conference, New Orleans, La, USA, 25-28 May 2021.	2021	978-1-56700-517-2	The American Society of Thermal and Fluids Engineers (ASTFE)
Shankar Durgam, Ganesh Kadam	NA	Investigation on viscosity of nanofluid using Analytical and ANN model, Paper ID: 443	26th National And 4th International ISHMT - ASTFE Heat And Mass Transfer Conference (IHMTc 2021), 17th - 20th December 2021 At IIT Madras, Chennai - 600036, India	2021	-	Accepted

Shankar Durgam, Vikrant Deshmukh	NA	Numerical study of thermal management of lithium-ion battery pack using liquid cooling, Paper ID: 446	26th National And 4th International ISHMT - ASTFE Heat And Mass Transfer Conference (IHMTc 2021), 17th - 20th December 2021 At IIT Madras, Chennai - 600036, India	2021	-	Accepted
Shankar Durgam, Pranav Ingale, Shashank Gupta	NA	Investigation of Thermal Behavior of Li Ion Cell in different Fluid Materials, Paper ID: 448	26th National And 4th International ISHMT - ASTFE Heat And Mass Transfer Conference (IHMTc 2021), 17th - 20th December 2021 At IIT Madras, Chennai - 600036, India	2021	-	Accepted
Shankar Durgam, Aniket Kale, Nikhil Kene, Akshay Khedkar, and Sanket Palve	NA	Heat transfer enhancement from IC engine cylinder, Paper ID: 472	26th National And 4th International ISHMT - ASTFE Heat And Mass Transfer Conference (IHMTc 2021), 17th - 20th December 2021 At IIT Madras, Chennai - 600036, India	2021	-	Accepted
Shankar Durgam, Snehal Thaneekar, Sayali Hajare, Saharsha Bartakke, Chaitra Shet	NA	Design of eco-friendly muffler for reduction of harmful pollutants, Paper ID: 501	26th National And 4th International ISHMT - ASTFE Heat And Mass Transfer Conference (IHMTc 2021), 17th - 20th December 2021 At IIT Madras, Chennai - 600036, India	2021	-	Accepted
Shankar Durgam, Bharati Ghodake, Suhans Mohite	NA	Numerical investigation on advanced heat sink materials for thermal management of electronics, Paper ID: 537	26th National And 4th International ISHMT - ASTFE Heat And Mass Transfer Conference (IHMTc 2021), 17th - 20th December 2021 At IIT Madras, Chennai - 600036, India	2021	-	Accepted
Shankar Durgam, Ajinkya Bhosale, Vivek Bhosale	NA	Heat flux optimization for heat sources on conductive substrates for heat transfer enhancement, Paper ID: 570	26th National And 4th International ISHMT - ASTFE Heat And Mass Transfer Conference (IHMTc 2021), 17th - 20th December 2021 At IIT Madras, Chennai - 600036, India	2021	-	Accepted
Shankar Durgam, Priyanka Dattir, Dipak Savant	NA	Selection of appropriate strategy to reduce the thermal losses associated in Lithium-ion batteries, Paper ID: 647	26th National And 4th International ISHMT - ASTFE Heat And Mass Transfer Conference (IHMTc 2021), 17th - 20th December 2021 At IIT Madras, Chennai - 600036, India	2021	-	Accepted
Vikrant Mahesh Deshmukh, Shankar Durgam	NA	Thermal management of Lithium-ion battery using liquid cooling	SAE Conference On Thermal Management of Systems 2021	2021	-	Accepted
Shankar Durgam., and M. P. Khond	NA	Prediction of limiting conditions for passive cooling of heated blocks under horizontal channel: A computational investigation, Paper ID: 657	26th National And 4th International ISHMT - ASTFE Heat And Mass Transfer Conference (IHMTc 2021), 17th - 20th December 2021 At IIT Madras, Chennai - 600036, India	2021	-	Accepted