

JSPM NARHE TECHNICAL CAMPUS

DEPARTMENT OF MECHANICAL ENGINEERING

A. Y. 2023-24

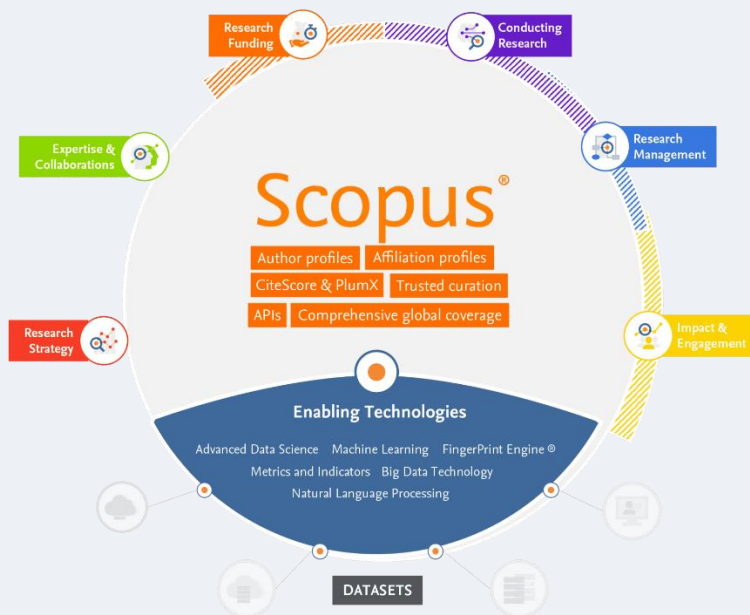


**SCOPUS INDEXED
PUBLICATIONS**

TILL FEB 2024

SCOPUS INDEXED PUBLICATIONS

Sr. No.	Name of Faculty	Total No. of Papers till FEB 2024
1	Dr. Manoj A. Kumbhalkar	24
2	Dr. Suhas H. Sarje	5
3	Dr. Sachin L. Borse	9
4	Dr. Pradeep U. Gaikwad	8
5	Dr. Mahendra U. Gaikwad	7
6	Dr. Madhuri Chatur – Deokar	3
7	Dr. Aboli Halwe – Pandharikar	3
8	Dr. Nand Jee Kanu	42
9	Dr. Sagar B. Dhage	1
10	Mr. Sagar P. Kadu	1



**JSPM NARHE TECHNICAL CAMPUS
DEPARTMENT OF MECHANICAL ENGINEERING
SCOPUS INDEXED ARTICLES**

NAME OF FACULTY: DR. MANOJ A. KUMBHALKAR

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
1	Rathore R.K.; Patel P.; Singh N.K.; Kaimkuriya A.; Gajghat R.H.; Kumbhalkar M.A.; Verma K.	EES Analysis of Low-Grade Thermal Energy Organic-Rankine-Vapor Compression-Refrigeration System	2023	AIP Conference Proceedings	American Institute of Physics Inc.	2839	1	10.1063/5.0167642	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176799036&doi=10.1063%2f5.0167642&partnerID=40&md5=fb91f99055107d1eb692116936c78c45	Conference paper
2	Rao P.S.; Gajghat R.H.; Kalbande V.N.; Kumbhalkar M.A.; Rambhad K.S.	Optimization of Fluidity and Mechanical Properties of the Sand Casting A518 Alloy by Using Grey Relational Analysis Method	2023	AIP Conference Proceedings	American Institute of Physics Inc.	2839	1	10.1063/5.0167643	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176726007&doi=10.1063%2f5.0167643&partnerID=40&md5=1251b3ba705659f8a16c61ced09539bf	Conference paper
3	Bhise D.V.; Choudhari S.A.; Kumbhalkar M.A.; Sardeshmukh M.M.	Assimilation of advanced manufacturing technologies in small and medium sized enterprises: An empirical analysis	2023	Multidisciplinary Science Journal	Malque Publishing	5	4	10.31893/multiscience.2023041	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165417404&doi=10.31893%2fmultiscience.2023041&partnerID=40&md5=3da4b608308473dcc44e06eebc91c038	Article
4	Khamankar S.D.; Ade N.K.; Sahare P.H.; Kumbhalkar M.A.; Rambhad K.S.; Choudhari S.A.; Bhise D.V.; Sardeshmukh M.M.	CFD Analysis of a Butterfly Valve to Optimize its Design	2023	AIP Conference Proceedings	American Institute of Physics Inc.	2839	1	10.1063/5.0167691	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176802875&doi=10.1063%2f5.0167691&partnerID=40&md5=0d4e42c5aa6d5b268295bbe7def02f81	Conference paper
5	Kumbhalkar M.A.; Sardeshmukh M.M.; Bhise D.V.; Choudhari S.A.; Sahare P.H.; Thakur S.	Thermal Analysis of Lithium-Ion Battery for Radial and Axial Heat Dissipation	2023	SSRG International Journal of Mechanical Engineering	Seventh Sense Research Group	10	8	10.14445/23488360/IJME-V10I8P103	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176284469&doi=10.14445%2f23488360%2fIJME-V10I8P103&partnerID=40&md5=c5ba6d6b4c991e74f429bf988235cb76	Article
6	Sahare P.H.; Ade N.K.; Kumbhalkar M.A.; Rambhad K.S.; Girardkar C.; Gandate J.; Badkelwar S.; Sondawale S.	Comparison of Alternative Fuels in Single Cylinder Diesel Engine Using CFD	2023	AIP Conference Proceedings	American Institute of Physics Inc.	2839	1	10.1063/5.0167692	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176788810&doi=10.1063%2f5.0167692&partnerID=40&md5=9918636265a038f4320fee40fcefedf	Conference paper
7	Kumbhalkar M.A.; Sardeshmukh M.M.; Bhise D.V.; Choudhari S.A.; Rambhad K.S.; Sahare P.H.; Ade N.K.	An insight into conversion of internal combustion engine (ICE) vehicle to electric vehicle for green transportation technology	2023	Multidisciplinary Science Journal	Malque Publishing	5	4	10.31893/multiscience.2023040	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165312115&doi=10.31893%2fmultiscience.2023040&partnerID=40&md5=a3fef4db09fa7f8b1b9eeb24404373af	Article
8	Kumbhalkar M.A.	Preface: International Conference on Innovations in Science, Hybrid Materials and Vibration Analysis IC-ISHVA 2022 (A Virtual Conference)	2023	AIP Conference Proceedings	American Institute of Physics Inc.	2839	1	10.1063/12.0020201	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176735697&doi=10.1063%2f12.0020201&partnerID=40&md5=f89c50b535a6193d108c17b1cfe08773	Editorial
9	Sahare P.H.; Ade N.K.; Kumbhalkar M.A.; Rambhad K.S.; Polshettiwar S.D.; Paul S.A.; Vaidya T.N.; Janwe R.S.	Manufacturing of Foldable Bicycle with Finite Element Analysis of Push-Pull Clamp	2023	AIP Conference Proceedings	American Institute of Physics Inc.	2839	1	10.1063/5.0167693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176731483&doi=10.1063%2f5.0167693&partnerID=40&md5=da01243c102710616b01480702f5d613	Conference paper

NAME OF FACULTY: DR. MANOJ A. KUMBHALKAR

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
10	Rambhad K.S.; Walke P.V.; Kalbande V.P.; Kumbhalkar M.A.; Khond V.W.; Nandanwar Y.; Mohan M.; Jibhakate R.	Experimental investigation of desiccant dehumidification with four different combinations of silica gel desiccant wheel on indoor air quality	2023	SN Applied Sciences	Springer Nature	5	11	10.1007/s42452-023-05505-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173610541&doi=10.1007%2fs42452-023-05505-6&partnerID=40&md5=01f51025f00c96d5d0b7cae88de7d14d	Article
11	Katman H.Y.B.; Khai W.J.; Kirgiz M.S.; Nehdi M.L.; Benjeddou O.; Thomas B.S.; Papatzani S.; Rambhad K.; Kumbhalkar M.A.; Karimipour A.	Transforming Conventional Construction Binders and Grouts into High-Performance Nanocarbon Binders and Grouts for Today's Constructions	2022	Buildings	MDPI	12	7	10.3390/buildings12071041	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137320087&doi=10.3390%2fbuilding12071041&partnerID=40&md5=494be6ead2115eb83b3887bd0939b17c	Article
12	Syarif M.; Kirgiz M.S.; Galdino A.G.D.S.; Naggar M.H.E.; Mirza J.; Khatib J.; Kenai S.; Nehdi M.; Kinuthia J.; Khatib A.; Thomas C.; Gobinath R.; Hassan M.I.U.; Wu Y.K.; Ashteyat A.; Soliman A.; Muthusamy K.; Janardhanan T.; Tagbor T.A.; Nguyen T.A.; Bheel N.; Kumbhalkar M.A.; Tiwary C.S.	Development and assessment of cement and concrete made of the burning of quinary by-product	2021	Journal of Materials Research and Technology	Elsevier Editora Ltda	15		10.1016/j.jmrt.2021.09.140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124366510&doi=10.1016%2fj.jmrt.2021.09.140&partnerID=40&md5=5dd4a69374d2a2196eefe1f1afd5c46b	Article
13	Kirgiz M.S.; Galdino A.G.D.S.; Kinuthia J.; Khatib A.; Ul Hassan M.I.; Khatib J.; El Naggar H.; Thomas C.; Mirza J.; Kenai S.; Nguyen T.A.; Nehdi M.; Syarif M.; Ashteyat A.; Gobinath R.; Soliman A.; Tagbor T.A.; Kumbhalkar M.A.; Bheel N.; Tiwary C.S.	Synthesis, physico-mechanical properties, material processing, and math models of novel superior materials doped flake of carbon and colloid flake of carbon	2021	Journal of Materials Research and Technology	Elsevier Editora Ltda	15		10.1016/j.jmrt.2021.10.089	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119370548&doi=10.1016%2fj.jmrt.2021.10.089&partnerID=40&md5=5fc1f618ad86618f93fb7306e5cf6e8d	Article
14	Bhilare S.L.; Hinge G.A.; Kumbhalkar M.A.; Rambhad K.S.	Modification in gate valve using flexible membrane pipe for flow measurement	2021	SN Applied Sciences	Springer Nature	3	12	10.1007/s42452-021-04831-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118762292&doi=10.1007%2fs42452-021-04831-x&partnerID=40&md5=d559cd68d134f1efc8c1c32f6be347f8	Article
15	Rambhad K.S.; Kalbande V.P.; Kumbhalkar M.A.; Khond V.W.; Jibhakate R.A.	Heat Transfer and Fluid Flow Analysis for Turbulent Flow in Circular Pipe with Vortex Generator	2021	SN Applied Sciences	Springer Nature	3	7	10.1007/s42452-021-04664-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108823057&doi=10.1007%2fs42452-021-04664-8&partnerID=40&md5=39e8a3a6f491b10b796f77a442970a9b	Article
16	Kumbhalkar M.A.; Rambhad K.S.; Jee Kanu N.	An insight into biomechanical study for replacement of knee joint	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.05.202	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117706758&doi=10.1016%2fj.matpr.2021.05.202&partnerID=40&md5=e3b71fc2b71e93a24d14a75c3c81ed97	Conference paper
17	Kumbhalkar M.A.; Rangari D.T.; Pawar R.D.; Phadtare R.A.; Raut K.R.; Nagre A.N.	Finite Element Analysis of Knee Joint with Special Emphasis on Patellar Implant	2021	Lecture Notes in Mechanical Engineering	Springer Science and Business Media Deutschland GmbH			10.1007/978-981-15-4488-0_29	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093902031&doi=10.1007%2f978-981-15-4488-0_29&partnerID=40&md5=76bc7b84467e5768ad80a41dec2bd2e8	Conference paper

NAME OF FACULTY:

DR. MANOJ A. KUMBHALKAR

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
18	Kumbhalkar M.A.; Bhope D.V.; Chaoji P.P.; Vanalkar A.V.	Investigation for Failure Response of Suspension Spring of Railway Vehicle: A Categorical Literature Review	2020	Journal of Failure Analysis and Prevention	Springer	20	4	10.1007/s11668-020-00918-6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088502350&doi=10.1007%2fs11668-020-00918-6&partnerID=40&md5=33ac6cd47e1f16c1303a09b025cd3002	Review
19	Kumbhalkar M.A.; Bhope D.V.; Vanalkar A.V.	Finite Element Analysis of Rail Vehicle Suspension Spring for Its Fatigue Life Improvement	2018	Lecture Notes on Multidisciplinary Industrial Engineering	Springer Nature	Part F45		10.1007/978-3-319-76276-0_5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107849257&doi=10.1007%2f978-3-319-76276-0_5&partnerID=40&md5=39db76d0af964757fcdf3ebd89879457	Book chapter
20	Kumbhalkar M.A.; Bhope D.V.; Vanalkar A.V.; Chaoji P.P.	Failure Analysis of Primary Suspension Spring of Rail Road Vehicle	2018	Journal of Failure Analysis and Prevention	Springer New York LLC	18	6	10.1007/s11668-018-0542-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054311074&doi=10.1007%2fs11668-018-0542-1&partnerID=40&md5=82ed9298935d5483904afe5938b42f31	Article
21	Kumbhalkar M.A.; Bhope D.V.; Vanalkar A.V.	Evaluation of frequency excitation of helical suspension spring using finite element analysis	2017	International Journal of Computer Aided Engineering and Technology	Inderscience Publishers	9	4	10.1504/IJCAET.2017.086921	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030791874&doi=10.1504%2fIJCAET.2017.086921&partnerID=40&md5=dc3c5fe6cebd725745a6f53e101e3353	Article
22	Dusane S.V.; Dipke M.K.; Kumbhalkar M.A.	Analysis of Steering Knuckle of All Terrain Vehicles (ATV) Using Finite Element Analysis	2016	IOP Conference Series: Materials Science and Engineering	Institute of Physics Publishing	149	1	10.1088/1757-899X/149/1/012133	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84995581943&doi=10.1088%2f1757-899X%2f149%2f1%2f012133&partnerID=40&md5=3873a7d386da58483e15ee42de62fe0b	Conference paper
23	Kumbhalkar M.A.; Bhope D.V.; Vanalkar A.V.	Analysis of Rail Vehicle Suspension Spring with Special Emphasis on Curving, Tracking and Tractive Efforts	2016	IOP Conference Series: Materials Science and Engineering	Institute of Physics Publishing	149	1	10.1088/1757-899X/149/1/012131	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84995608069&doi=10.1088%2f1757-899X%2f149%2f1%2f012131&partnerID=40&md5=6a10aadd1d38822e58278c57094a0c22	Conference paper
24	Kumbhalkar M.A.; Jaiswal P.H.; Bansod H.M.	Design and manufacturing of knee joint by CAD/CAM and rapid prototyping	2011	Journal of the Institution of Engineers (India): Mechanical Engineering Division		92	APRIL		https://www.scopus.com/inward/record.uri?eid=2-s2.0-84859582244&partnerID=40&md5=dcb8a3eb145b8c1f44a1a6c5ae5d55dd	Article

**JSPM NARHE TECHNICAL CAMPUS
DEPARTMENT OF MECHANICAL ENGINEERING
SCOPUS INDEXED ARTICLES**

NAME OF FACULTY: DR. SUHAS H. SARJE

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
1	Patil A.N.; Sarje S.H.	Additive manufacturing with shape changing/memory materials: A review on 4D printing technology	2021	Materials Today: Proceedings	Elsevier Ltd	44		10.1016/j.matpr.2020.11.907	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105594316&doi=10.1016%2fj.matpr.2020.11.907&partnerID=40&md5=4d5e0a5feccc81089c9fae3432a3d05c	Conference paper
2	Sarje S.H.	Integration of maintenance systems	2018	MATEC Web of Conferences	EDP Sciences	211		10.1051/mateconf/201821103010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055586824&doi=10.1051%2fmateconf%2f201821103010&partnerID=40&md5=14b16ba21070cd7002d4427421e5859d	Conference paper
3	Dandavate A.L.; Sarje S.H.	Concept Generation Process for Patient Transferring Device	2012	Journal of The Institution of Engineers (India): Series C	Springer India	93	3	10.1007/s40032-012-0033-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029801909&doi=10.1007%2fs40032-012-0033-1&partnerID=40&md5=7c675752363c6ee71ed7193a7b3e56f6	Article
4	Sarje S.H.; Lathkar G.S.; Basu S.K.	CBM Policy for an Online Continuously Monitored Deteriorating System with Random Change of Mode	2012	Journal of The Institution of Engineers (India): Series C	Springer India	93	1	10.1007/s40032-011-0006-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029791434&doi=10.1007%2fs40032-011-0006-9&partnerID=40&md5=a1c0607942f0be7d16702a59beda8741	Article
5	Bhokre N.M.; Sarje S.H.; Lathkar G.S.	Implementation of condition based maintenance using vibration monitoring technique	2010	Journal of the Institution of Engineers (India), Part PR: Production Engineering Division		90	MARCH		https://www.scopus.com/inward/record.uri?eid=2-s2.0-77956015807&partnerID=40&md5=47a3ecaad4d3b1a377c2248ffb364d26	Article

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SCOPUS INDEXED ARTICLES**

NAME OF FACULTY: DR. SACHIN L. BORSE

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
1	Quran O.; Maaitah H.; Borse S.L.; Shende M.D.; Alshqirate A.; Mustafa M.Y.	Study of the Flow Characteristics Due to the Effect of Offsetting in Platoon of Sport Utility Vehicles	2023	International Review of Mechanical Engineering	Praise Worthy Prize	17	6	10.15866/ireme.v17i6.23071	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172236336&doi=10.15866%2fireme.v17i6.23071&partnerID=40&md5=9ace35b4af72f1aa95fafd1233390d7f	Article
2	Patil P.S.; Dhande K.K.; Borse S.L.	Experimental investigation of heat transfer and pressure drop using combination of ribs and dimples	2023	Australian Journal of Mechanical Engineering	Taylor and Francis Ltd.	21	2	10.1080/14484846.2021.1904807	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105195531&doi=10.1080%2f14484846.2021.1904807&partnerID=40&md5=9cafd7cb558e1cb5a44b3152ae607035	Article
3	Alshqirate A.A.; Ghafoor D.Z.; Borse S.L.	CFD Analysis of Flow Over Pickup Truck with And Without Covering Cargo Area Using OpenFOAM	2022	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	Penerbit Akademia Baru	90	1	10.37934/arfmts.90.1.4051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122593792&doi=10.37934%2farfmts.90.1.4051&partnerID=40&md5=e12bb7218617e115b434971e5750f3de	Article
4	Joshi A.; Borse S.L.; Alblawi A.; Alshqirate A.A.	Effect of spark plug position on performance of engine using openfoam	2018	International Journal of Mechanical Engineering and Technology	IAEME Publication	9	11		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057542961&partnerID=40&md5=0fd0b74faf87edde82db8841b15bf1ec	Article
5	Nawale N.A.; Borse S.L.	Study of air flow over the truck using OpenFOAM	2015	International Journal of Applied Engineering Research	Research India Publications	10	14		https://www.scopus.com/inward/record.uri?eid=2-s2.0-84940055605&partnerID=40&md5=30ecbe9a9382ee4a67159a890dd9d527	Article
6	Kumbhar K.L.; Borse S.L.	Heat transfer enhancement by using twisted tape with elliptical holes	2015	International Journal of Applied Engineering Research	Research India Publications	10	7		https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929316273&partnerID=40&md5=24be99350386cb16e9a538f58d3c5c7a	Article
7	Deshmukh Y.; Borse S.L.	Heat transfer enhancement in a round tube with snail entry and coiled wire insert with spring turbulators	2015	International Journal of Applied Engineering Research	Research India Publications	10	6		https://www.scopus.com/inward/record.uri?eid=2-s2.0-84928911189&partnerID=40&md5=b7f5f33e9d348808a32d0b294e53205c	Article
8	Mhaske S.D.; Sunny S.P.; Borse S.L.; Parikh Y.B.	Thermohydraulic performance of a series of in-line noncircular ducts in a parallel plate channel	2014	Journal of Thermodynamics	Hindawi Publishing Corporation	2014		10.1155/2014/670129	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84911926006&doi=10.1155%2f2014%2f670129&partnerID=40&md5=cc15ca237d0995affab34b3db0b1514	Article
9	Mhaske S.D.; Sunny S.P.; Borse S.L.; Parikh Y.B.	Pressure and heat transfer over a series of in-line non-circular ducts in a parallel plate channel	2014	International Journal of Applied Engineering Research	Research India Publications	9	18		https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904512022&partnerID=40&md5=9d65a0c9b3476865865ded9a1fd07b47	Article

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SCOPUS INDEXED ARTICLES

NAME OF FACULTY: DR. PRADEEP U. GAIKWAD

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	Link	Document Type
1	Gaikwad P.U., Gnanamani S., Subramani N.	Experimental and numerical simulation of the piston engine fueled with alternative fuel blends: CFD approach	2022	Aircraft Engineering and Aerospace Technology	Emerald Group Holdings Ltd.	94	4	10.1108/AEAT-12-2020-0291	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100553318&doi=10.1108%2fAEAT-12-2020-0291&partnerID=40&md5=f65759147250415d58ad13e3d6106994	Article
2	Gnanamani S., Gaikwad P.U., Subramaniam L., Chandralingam R.	EXERGY ANALYSIS IN DIESEL ENGINE WITH BINARY BLENDS	2022	Thermal Science	Serbian Society of Heat Transfer Engineers	26	1	10.2298/TSCI200808273G	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124754903&doi=10.2298%2fTSCI200808273G&partnerID=40&md5=ca4178f6c14865f9a73cb90ed0cce73d	Article
3	Thakur A., Gaikwad P., Deshpande S.S., Gogate A., Gundecha D.	Experimental Analysis of Injector Nozzle Coking on Multi-Cylinder Diesel Engine Considering Worst-Case Operating Conditions including Engine Exhaust Brake	2020	SAE Technical Papers	SAE International		2020	10.4271/2020-28-0332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093820455&doi=10.4271%2f2020-28-0332&partnerID=40&md5=b938b745134b8fdedd910c9d1b68e2b9	Conference Paper
4	Bobade S., Gaikwad P., Senthilkumar G., Kumbhar R.	To study the impact of emissions of methyl esters blends in diesel engine	2020	Techno-Societal 2018 - Proceedings of the 2nd International Conference on Advanced Technologies for Societal Applications	Springer	1 1		10.1007/978-3-030-16848-3_40	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106754202&doi=10.1007%2f978-3-030-16848-3_40&partnerID=40&md5=fec1310e300a0e6d6ef96a5984032811	Conference Paper
5	Gaikwad P.U., Gnanamani S., Purusothaman M., Sankar J.L., Jeevahan J.J.	Performance evaluation of variable compression ratio engine fueled with biodiesel from waste cooking oil	2020	Indian Journal of Environmental Protection	Scientific Publishers	40	1		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081648302&partnerID=40&md5=f590b22b55d8007bae1abed309487260	Article
6	Gaikwad P.U., Senthilkumar G., Bobade S.	Experimental investigation and performance parameter analysis of biodiesel blend-methyl ester on single cylinder diesel engine	2020	Techno-Societal 2018 - Proceedings of the 2nd International Conference on Advanced Technologies for Societal Applications	Springer	1 1		10.1007/978-3-030-16848-3_30	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081190854&doi=10.1007%2f978-3-030-16848-3_30&partnerID=40&md5=cdb6ffa70250b6ed4d5377e285d47020	Conference Paper
7	Uttam G.P., Senthilkumar G., Bobade S.N.	Performance and emission analysis of waste cooking oil biodiesel added with AL2O3 nanoadditive using VCR engine	2019	International Journal of Advanced Science and Technology	Science and Engineering Research Support Society	28	20		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081190101&partnerID=40&md5=a2a92397d4eb430d587cb455afb8d649	Article
8	Gaikwad P.U., Balan K.N., Ramesh Babu B.R.	Performance analysis of neem and palm bio-diesel blend on diesel engine - A review	2017	International Review of Mechanical Engineering	Praise Worthy Prize	11	9	10.15866/ireme.v11i9.13244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041364423&doi=10.15866%2fireme.v11i9.13244&partnerID=40&md5=d31922e40d26ebd0132db2c403bcf01c	Article

**JSPM NARHE TECHNICAL CAMPUS
DEPARTMENT OF MECHANICAL ENGINEERING
SCOPUS INDEXED ARTICLES**

NAME OF FACULTY: DR. MAHENDRA U. GAIKWAD

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	Link	Document Type
1	Ambhore N.; Gaikwad M.; Patil A.; Sharma Y.; Manikjade A.	Predictive modeling and optimization of dry turning of hardened steel	2023	International Journal on Interactive Design and Manufacturing	Springer-Verlag Italia s.r.l.			10.1007/s12008-023-01615-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178156265&doi=10.1007%2fs12008-023-01615-y&partnerID=40&md5=78010c17b3a8306c1fa858f229441e38	Article
2	Gaikwad M.U.; Krishnamoorthy A.; Jatti V.S.	Implementation of Jaya algorithm for process parameter optimization during EDM processing of NiTi 60alloy	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.04.157	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117192009&doi=10.1016%2fj.matpr.2021.04.157&partnerID=40&md5=b07a3e847ea0a5f51843c1e6297e87ac	Conference paper
3	Gaikwad M.U.; Krishnamoorthy A.; Jatti V.S.	Investigating the influence of electrical discharge machining process parameter on fatigue strength during machining of titanium grade-2	2021	Materials Today: Proceedings	Elsevier Ltd	46		10.1016/j.matpr.2021.05.367	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115260514&doi=10.1016%2fj.matpr.2021.05.367&partnerID=40&md5=95065a54a75d4ef965f0f1426b1407e3	Conference paper
4	Gaikwad M.U.; A K.; Jatti V.S.	Estimation of surface integrity parameters in electrical discharge machining (Edm) process-a review	2020	Techno-Societal 2018 - Proceedings of the 2nd International Conference on Advanced Technologies for Societal Applications	Springer	2		10.1007/978-3-030-16962-6_61	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85082722769&doi=10.1007%2f978-3-030-16962-6_61&partnerID=40&md5=ab0600b6d13c6977e6aea69dc2a41252	Conference paper
5	Gaikwad M.U.; Krishnamoorthy A.; Jatti V.S.	Investigation on effect of process parameter on surface integrity during electrical discharge machining of NiTi 60	2020	Multidiscipline Modeling in Materials and Structures	Emerald Group Holdings Ltd.	16	6	10.1108/MMMS-10-2019-0179	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083655914&doi=10.1108%2fMMMS-10-2019-0179&partnerID=40&md5=f88387f7763c24b44de4ecef45d844fb	Article
6	Gaikwad M.U.; Krishnamoorthy A.; Jatti V.S.	Investigation and Optimization of Process Parameters in Electrical Discharge Machining (EDM) Process for NiTi 60	2019	Materials Research Express	Institute of Physics Publishing	6	6	10.1088/2053-1591/ab08f3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064443453&doi=10.1088%2f2053-1591%2fab08f3&partnerID=40&md5=5cc65ef1786620e581c21f477cf2fac3	Article
7	Gaikwad M.U.; Krishnamoorthy A.; Jatti V.S.	Process parameters optimization using Jaya algorithm during edm machining of Niti60 alloy	2019	International Journal of Scientific and Technology Research	International Journal of Scientific and Technology Research	8	11		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075048858&partnerID=40&md5=b2b46abfc962b5b713deb3a3779992f1	Article

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SCOPUS INDEXED ARTICLES**

NAME OF FACULTY: DR. MADHURI CHATUR - DEOKAR

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	Link	Document Type
1	Chatur M.G.; Maheshwari A.; Campli S.	Investigation of waste cooking oil–diesel blend with copper oxide additives as fuel for diesel engine under variations in compression ratio	2023	International Journal of Energy and Environmental Engineering	Institute for Ionics	14	4	10.1007/s40095-022-00549-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142208809&doi=10.1007%2fs40095-022-00549-7&partnerID=40&md5=11286a9ae84fb1f21cac17eb4330adad	Article
2	Chatur M.G.; Maheshwari A.; Campli S.	An experimental study of a diesel engine with varying injection timing fuelled with used cooking methyl ester blend adulterated with copper oxide particles	2023	Materials Today: Proceedings	Elsevier Ltd			10.1016/j.matpr.2023.01.305	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147368285&doi=10.1016%2fj.matpr.2023.01.305&partnerID=40&md5=ba7f1be05d9e54b8fd21b2ec995a7793	Article
3	Chatur M.G.; Maheshwari A.; Kanu N.J.	Comprehensive analysis of the behavior of waste cooking oil biodiesel in C.I. Engines modified using CuO nanoparticles with varying fuel injection pressure	2023	Materials Today: Proceedings	Elsevier Ltd	92		10.1016/j.matpr.2023.03.620	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151619468&doi=10.1016%2fj.matpr.2023.03.620&partnerID=40&md5=4d2203b99042dcfd2b418d5940ca3fe3	Conference paper

NAME OF FACULTY: DR. ABOLI HALWE - PANDHARIKAR

1	Halwe A.D., Deshmukh S.J., Kanu N.J., Gawande J.S.	Optimization of combustion characteristics of novel hydrodynamic cavitation based waste cooking oil biodiesel fueled CI engine	2023	SN Applied Sciences	Springer Nature	5	2	10.1007/s42452-023-05284-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146906688&doi=10.1007%2fs42452-023-05284-0&partnerID=40&md5=21f522a1880726981c32049bea6e42a7	Article
2	Halwe-Pandharikar A., Deshmukh S.J., Kanu N.J.	Numerical investigation and experimental analysis of nanoparticles modified unique waste cooking oil biodiesel fueled C. I. Engine using single zone thermodynamic model for sustainable development	2022	AIP Advances	American Institute of Physics Inc.	12	9	10.1063/5.0103308	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138687002&doi=10.1063%2f5.0103308&partnerID=40&md5=d17a965b18b683d6e5aa0a7240a3813a	Article
3	Halwe A.D., Deshmukh S.J., Kanu N.J., Gupta E., Tale R.B.	Optimization of the novel hydrodynamic cavitation based waste cooking oil biodiesel production process parameters using integrated L9Taguchi and RSM approach	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.04.484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114944832&doi=10.1016%2fj.matpr.2021.04.484&partnerID=40&md5=f6c86a26cc90fd695dcca2597e0a3b82	Conference Paper

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NAME OF FACULTY: DR. NAND JEE KANU

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
1	Vates U.K.; Khattar N.; Kumar R.; Bhardwaj A.; Sharma B.P.; Kanu N.J.; Gupta E.; Singh G.K.; Subramanian S.	Al 6063 Hybrid Metal Matrix Reinforced Composites with TiC Nanoparticles and NEEM Leaf Ash Using Stir Casting Method for Bicycle Frame	2024	Lecture Notes in Mechanical Engineering	Springer Science and Business Media Deutschland GmbH			10.1007/978-981-99-4758-4_6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175987248&doi=10.1007%2f978-981-99-4758-4_6&partnerID=40&md5=9e9d4a5ebcceaafffd12b34f30fdd7b0	Conference paper
2	Kanu N.J.; Lal A.	Post buckling responses of carbon nanotubes' fiber reinforced and nanoclay modified polymer matrix hybrid composite plate under in-plane buckling load using the higher order shear deformation theory	2024	Mechanics Based Design of Structures and Machines	Taylor and Francis Ltd.	52	2	10.1080/15397734.2022.2126985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139520057&doi=10.1080%2f15397734.2022.2126985&partnerID=40&md5=4069ea3a0145d8b68af0e6146968f734	Article
3	Chavan S.; Kanu N.J.; Shendokar S.; Narkhede B.; Sinha M.K.; Gupta E.; Singh G.K.; Vates U.K.	An Insight into Nylon 6,6 Nanofibers Interleaved E-glass Fiber Reinforced Epoxy Composites	2023	Journal of The Institution of Engineers (India): Series C	Springer	104	1	10.1007/s40032-022-00882-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141182563&doi=10.1007%2fs40032-022-00882-0&partnerID=40&md5=30af7d9821605cde6cc25f733bc672f0	Article
4	Chatur M.G.; Maheshwari A.; Kanu N.J.	Comprehensive analysis of the behavior of waste cooking oil biodiesel in C.I. Engines modified using CuO nanoparticles with varying fuel injection pressure	2023	Materials Today: Proceedings	Elsevier Ltd	92		10.1016/j.matpr.2023.03.620	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151619468&doi=10.1016%2fj.matpr.2023.03.620&partnerID=40&md5=4d2203b99042dcfd2b418d5940ca3fe3	Conference paper
5	Patil-Mangore S.M.; Shegokar N.L.; Kanu N.J.	Conditioning and monitoring of grinding wheels: A state-of-the-art review	2023	Journal of Autonomous Intelligence	Frontier Scientific Publishing	6	3	10.32629/jai.v6i3.622	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171302874&doi=10.32629%2fjai.v6i3.622&partnerID=40&md5=988ecd96a0c85c35459d4f5802da9218	Review
6	Kharadi F.; Karthikeyan A.; Bhojwani V.; Dixit P.; Kanu N.J.; Jain N.	Experimental study of the operating parameters on the performance of a single-stage Stirling cryocooler cooling infrared sensor for space application	2023	Aircraft Engineering and Aerospace Technology	Emerald Publishing			10.1108/AEAT-02-2023-0051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161659299&doi=10.1108%2fAEAT-02-2023-0051&partnerID=40&md5=3543812f6d5385980a092e9e4a18df4a	Article
7	Halwe A.D.; Deshmukh S.J.; Kanu N.J.; Gawande J.S.	Optimization of combustion characteristics of novel hydrodynamic cavitation based waste cooking oil biodiesel fueled CI engine	2023	SN Applied Sciences	Springer Nature	5	2	10.1007/s42452-023-05284-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146906688&doi=10.1007%2fs42452-023-05284-0&partnerID=40&md5=21f522a1880726981c32049bea6e42a7	Article
8	Gonfa B.K.; Sinha D.; Vates U.K.; Badruddin I.A.; Hussien M.; Kamangar S.; Singh G.K.; Ahmed G.M.S.; Kanu N.J.; Hossain N.	Investigation of Mechanical and Tribological Behaviors of Aluminum Based Hybrid Metal Matrix Composite and Multi-Objective Optimization	2022	Materials	MDPI	15	16	10.3390/ma15165607	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137691841&doi=10.3390%2fma15165607&partnerID=40&md5=e1bc50c0656602d43d41ea9be7d4ad6f	Article

NAME OF FACULTY: DR. NAND JEE KANU

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
9	Jain N.; Gupta E.; Kanu N.J.	Plethora of Carbon Nanotubes Applications in Various Fields—A State-of-the-Art-Review	2022	Smart Science	Taylor and Francis Ltd.	10	1	10.1080/23080477.2021.1940752	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114023153&doi=10.1080%2f23080477.2021.1940752&partnerID=40&md5=b0e3da9b6721a8d02a7158cd10f9773c	Review
10	Asre C.M.; Kurkute V.K.; Kanu N.J.	Power generation with the application of vortex wind turbine	2022	Materials Today: Proceedings	Elsevier Ltd	56		10.1016/j.matpr.2021.08.228	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130909058&doi=10.1016%2fj.matpr.2021.08.228&partnerID=40&md5=0d74d5849206dc5a14e15eb1bc8b3822	Article
11	Kanu N.J.; Lal A.	Nonlinear static and dynamic performance of CNT reinforced and nanoclay modified laminated nanocomposite plate	2022	AIP Advances	American Institute of Physics Inc.	12	2	10.1063/5.0074987	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124152980&doi=10.1063%2f5.0074987&partnerID=40&md5=bc675eec101781631557a33e19c8400b	Article
12	Halwe-Pandharikar A.; Deshmukh S.J.; Kanu N.J.	Numerical investigation and experimental analysis of nanoparticles modified unique waste cooking oil biodiesel fueled C. I. Engine using single zone thermodynamic model for sustainable development	2022	AIP Advances	American Institute of Physics Inc.	12	9	10.1063/5.0103308	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138687002&doi=10.1063%2f5.0103308&partnerID=40&md5=d17a965b18b683d6e5aa0a7240a3813a	Article
13	Kanu N.J.; Lal A.	Nonlinear static analysis of CNT/nanoclay particles reinforced polymer matrix composite plate using secant function based shear deformation theory	2022	Smart Science	Taylor and Francis Ltd.	10	4	10.1080/23080477.2022.2066052	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129682763&doi=10.1080%2f23080477.2022.2066052&partnerID=40&md5=ff755c932b2c5e4ab3ffcf7e280e4820	Article
14	Vates U.K.; Sharma B.P.; Kanu N.J.; Gupta E.; Singh G.K.	Modeling and Optimization of IoT Factors to Enhance Agile Manufacturing Strategy-based Production System Using SCM and RSM	2022	Smart Science	Taylor and Francis Ltd.	10	2	10.1080/23080477.2021.2017543	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121580779&doi=10.1080%2f23080477.2021.2017543&partnerID=40&md5=eafb3e0b87b67d999a9f351932d0c9ef	Article
15	Kanu N.J.; Bapat S.; Deodhar H.; Gupta E.; Singh G.K.; Vates U.K.; Verma G.C.; Pandey V.	An Insight into Processing and Properties of Smart Carbon Nanotubes Reinforced Nanocomposites	2022	Smart Science	Taylor and Francis Ltd.	10	1	10.1080/23080477.2021.1972913	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114050146&doi=10.1080%2f23080477.2021.1972913&partnerID=40&md5=85a5080865e73adaa21e43ced2ed7dd6	Review
16	Sakhare S.A.; Pendkar S.M.; Kanu N.J.; Gupta E.; Vates U.K.; Singh G.K.; Verma G.C.	Design suggestions on modified self-sustainable space toilet	2022	SN Applied Sciences	Springer Nature	4	1	10.1007/s42452-021-04878-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120932461&doi=10.1007%2fs42452-021-04878-w&partnerID=40&md5=2d78e061eb20	Article
17	Halwe A.D.; Deshmukh S.J.; Kanu N.J.; Gupta E.; Tale R.B.	Optimization of the novel hydrodynamic cavitation based waste cooking oil biodiesel production process parameters using integrated L9Taguchi and RSM approach	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.04.484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114944832&doi=10.1016%2fj.matpr.2021.04.484&partnerID=40&md5=f6c86a26cc90fd695dcca2597e0a3b82	Conference paper

NAME OF FACULTY: DR. NAND JEE KANU

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
18	Kanu N.J.	Modeling of stress wave propagation in matrix cracked laminates	2021	AIP Advances	American Institute of Physics Inc.	11	8	10.1063/5.0057749	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113185638&doi=10.1063%2f5.0057749&partnerID=40&md5=a086ed8512a05f5c2bc0bccd08f98c4d	Article
19	Kale S.M.; Kirange P.M.; Kale T.V.; Jee Kanu N.; Gupta E.; Chavan S.S.; Kumar Vates U.; Kumar Singh G.	Synthesis of ultrathin ZnO, nylon-6,6 and carbon nanofibers using electrospinning method for novel applications	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.06.289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117683236&doi=10.1016%2fj.matpr.2021.06.289&partnerID=40&md5=4f9b955b6dc7353eaf5ca112c35b9c0f	Conference paper
20	Kanu N.J.; Guluwadi S.; Pandey V.; Suyambazhahan S.	Experimental Investigation of Emission Characteristics on Can-Combustor Using Jatropa Based Bio-derived Synthetic Paraffinic Kerosene	2021	Smart Science	Taylor and Francis Ltd.	9	4	10.1080/23080477.2021.1938503	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108255718&doi=10.1080%2f23080477.2021.1938503&partnerID=40&md5=b5d5f29b2c7a5c467450633d04b3fc9f	Article
21	Kadam S.; Chavan S.; Kanu N.J.	An insight into advance self-healing composites	2021	Materials Research Express	IOP Publishing Ltd	8	5	10.1088/2053-1591/abfba5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107768988&doi=10.1088%2f2053-1591%2fabfba5&partnerID=40&md5=8d12a7e1d7600e6133ea26f1fbd88f0	Review
22	Kumbhalkar M.A.; Rambhad K.S.; Jee Kanu N.	An insight into biomechanical study for replacement of knee joint	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.05.202	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117706758&doi=10.1016%2fj.matpr.2021.05.202&partnerID=40&md5=e3b71fc2b71e93a24d14a75c3c81ed97	Conference paper
23	Pandey V.; Bekele A.; Ahmed G.M.S.; Jee Kanu N.; Singh G.K.	An application of conjugate gradient technique for determination of thermal conductivity as an inverse engineering problem	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.06.073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117717280&doi=10.1016%2fj.matpr.2021.06.073&partnerID=40&md5=3627bc490c9c4dab017e2d400e09514b	Conference paper
24	Kanu N.J.; Mangalam A.; Gupta E.; Vates U.K.; Singh G.K.; Sinha D.K.	Investigation on secondary deformation of ultrafine SiC particles reinforced LM25 metal matrix composites	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.05.640	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117692819&doi=10.1016%2fj.matpr.2021.05.640&partnerID=40&md5=fb3936f08207764c75de483b35724371	Conference paper
25	Jee Kanu N.; Ashok Patil S.; Sutar V.; Gupta E.; Kumar Singh G.; Kumar Vates U.; Chavan S.	Design and CFD analyses of aluminium alloy-based vortex tubes with multiple inlet nozzles for their optimum performances in sustainable applications	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.03.482	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114373110&doi=10.1016%2fj.matpr.2021.03.482&partnerID=40&md5=b551b4f39f0e8727864d7ab6ea00bda4	Conference paper
26	Daniel N.A.; Vates U.K.; Sharma B.P.; Kanu N.J.; Subramonian S.	Optimization of Inconel Die-In EDD Steel Deep Drawing with Influence of Punch Coating Using RSM	2021	Lecture Notes in Mechanical Engineering	Springer Science and Business Media Deutschland GmbH			10.1007/978-981-33-4320-7_64	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102625141&doi=10.1007%2f978-981-33-4320-7_64&partnerID=40&md5=03492387561276c2aa4f964b784de949	Conference paper
27	Ayushi; Kumar Vates U.; Mishra S.; Jee Kanu N.	Biomimetic 4D printed materials: A state-of-the-art review on concepts, opportunities, and challenges	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.07.148	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117697313&doi=10.1016%2fj.matpr.2021.07.148&partnerID=40&md5=8d6a8dccb1e67b9a5190ff1bd0a54e0b	Conference paper

NAME OF FACULTY: DR. NAND JEE KANU

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
28	Jain N.; Kanu N.J.	The potential application of carbon nanotubes in water treatment: A state-of-the-art-review	2021	Materials Today: Proceedings	Elsevier Ltd	43		10.1016/j.matpr.2021.01.331	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105534143&doi=10.1016%2fj.matpr.2021.01.331&partnerID=40&md5=b5b860f8c39229bf2964f0dc655dce58	Conference paper
29	Gupta E.; Jee Kanu N.; Agrawal M.S.; Kamble A.A.; Shaikh A.N.; Kumar Vates U.; Kumar Singh G.; Chavan S.S.	An insight into numerical investigation of bioreactor for possible oxygen emission on Mars	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.04.059	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117838402&doi=10.1016%2fj.matpr.2021.04.059&partnerID=40&md5=d97ee29abaf4b6b1ff5374598fdf416d	Conference paper
30	Kumar Vates U.; Jee Kanu N.; Gupta E.; Kumar Singh G.; Prakash Sharma B.; Pandey V.	Optimization of electro discharge critical process parameters in tungsten carbide drilling using L9Taguchi approach	2021	Materials Today: Proceedings	Elsevier Ltd	47		10.1016/j.matpr.2021.06.438	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117707019&doi=10.1016%2fj.matpr.2021.06.438&partnerID=40&md5=19446590df0638cf474dc2cd24db8f66	Conference paper
31	Kanu N.J.; Patwardhan D.; Gupta E.; Vates U.K.; Singh G.K.	Numerical investigations of stress-deformation responses in fractured paediatric bones with prosthetic bone plates	2020	IOP Conference Series: Materials Science and Engineering	Institute of Physics Publishing	814	1	10.1088/1757-899X/814/1/012038	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088018415&doi=10.1088%2f1757-899X%2f814%2f1%2f012038&partnerID=40&md5=ea6ee6887e8e00caf31d8746ca1e79fc	Conference paper
32	Kanu N.J.; Gupta E.; Vates U.K.; Singh G.K.	Electrospinning process parameters optimization for biofunctional curcumin/gelatin nanofibers	2020	Materials Research Express	Institute of Physics Publishing	7	3	10.1088/2053-1591/ab7f60	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083525007&doi=10.1088%2f2053-1591%2fab7f60&partnerID=40&md5=bde7b8ab4a89a27f549ace8706cd8325	Article
33	Chauhan A.; Vates U.K.; Kanu N.J.; Gupta E.; Singh G.K.; Sharma B.P.; Gorrepati S.R.	Fabrication and characterization of novel nitinol particulate reinforced aluminium alloy metal matrix composites (NiTi/AA6061 MMCs)	2020	Materials Today: Proceedings	Elsevier Ltd	38		10.1016/j.matpr.2020.09.326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103552677&doi=10.1016%2fj.matpr.2020.09.326&partnerID=40&md5=e3dc58911c22a591beeea532cb49dbdb	Conference paper
34	Lal A.; Kanu N.J.	The nonlinear deflection response of CNT/nanoclay reinforced polymer hybrid composite plate under different loading conditions	2020	IOP Conference Series: Materials Science and Engineering	Institute of Physics Publishing	814	1	10.1088/1757-899X/814/1/012033	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088018286&doi=10.1088%2f1757-899X%2f814%2f1%2f012033&partnerID=40&md5=c0937961d9f69c3cdf1a7f303c4b2982	Conference paper
35	Pandey V.; Kanu N.J.; Singh G.K.; Gadissa B.	AZ31-alloy, H13-die combination heat transfer characteristics by using inverse heat conduction algorithm	2020	Materials Today: Proceedings	Elsevier Ltd	44		10.1016/j.matpr.2020.11.258	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105724938&doi=10.1016%2fj.matpr.2020.11.258&partnerID=40&md5=f4b9db8dd1d0e62d8729ea868ebbea91	Conference paper
36	Gupta E.; Kanu N.J.	An insight into the simplified RP transmission network, concise baseline and SIR models for simulating the transmissibility of the novel coronavirus disease 2019 (COVID-19) outbreak	2020	Revista Brasileira de Gestao e Desenvolvimento Regional	Universidade de Taubate	16	2	10.3844/ajidsp.2020.89.108	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087415671&doi=10.3844%2fajidsp.2020.89.108&partnerID=40&md5=7eea38aa855872bcd205c472a8597870	Review

NAME OF FACULTY: DR. NAND JEE KANU

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	LINK	Document Type
37	Kanu N.J.; Gupta E.; Vates U.K.; Singh G.K.	An insight into smart self-lubricating composites	2020	Smart Polymer Nanocomposites: Biomedical and Environmental Applications	Elsevier			10.1016/B978-0-12-819961-9.00012-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124158815&doi=10.1016%2fB978-0-12-819961-9.00012-8&partnerID=40&md5=aec52188216c0b1d100bf9fd450ea868	Book chapter
38	Kanu N.J.; Patwardhan D.; Gupta E.; Vates U.K.; Singh G.K.	Finite element analysis of mechanical response of fracture fixation functionally graded bone plate at paediatric femur bone fracture site under compressive and torsional loadings	2020	Materials Today: Proceedings	Elsevier Ltd	38		10.1016/j.matpr.2020.08.740	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103591452&doi=10.1016%2fj.matpr.2020.08.740&partnerID=40&md5=3ae4611e558cebba901f16abb8a51dba	Conference paper
39	Vates U.K.; Sharma B.P.; Kanu N.J.; Daniel N.A.; Subramanian S.; Sharma P.	Optimization of Process Parameters of Galvanizing Steel in Resistance Seam Welding Using RSM	2020	Smart Innovation, Systems and Technologies	Springer	174		10.1007/978-981-15-2647-3_65	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086257836&doi=10.1007%2f978-981-15-2647-3_65&partnerID=40&md5=4de0b4a9e25304f155bd803e84f72774	Conference paper
40	Kanu N.J.; Gupta E.; Vates U.K.; Singh G.K.	An insight into biomimetic 4D printing	2019	RSC Advances	Royal Society of Chemistry	9	65	10.1039/c9ra07342f	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075746464&doi=10.1039%2fc9ra07342f&partnerID=40&md5=5b9696d903b2faa8ef4a636ca7c62984	Review
41	Kanu N.J.; Vates U.K.; Singh G.K.; Chavan S.	Fracture problems, vibration, buckling, and bending analyses of functionally graded materials: A state-of-the-art review including smart FGMS	2019	Particulate Science and Technology	Taylor and Francis Inc.	37	5	10.1080/02726351.2017.1410265	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067181125&doi=10.1080%2f02726351.2017.1410265&partnerID=40&md5=b256802e3ef7ceecf8bb54d129bfa55d	Review
42	Kanu N.J.; Gupta E.; Vates U.K.; Singh G.K.	Self-healing composites: A state-of-the-art review	2019	Composites Part A: Applied Science and Manufacturing	Elsevier Ltd	121		10.1016/j.compositesa.2019.04.012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064264565&doi=10.1016%2fj.compositesa.2019.04.012&partnerID=40&md5=62ca651af16b27019d571c5c355d2e49	Review

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NAME OF FACULTY: DR. SAGAR B. DHAGE

Sr. No.	Authors	Title	Year	Journal Name	Publisher	Volume	Issue	DOI	Link	Document Type
1	Dhage S.; Jayal A.D.; Sarkar P.	Effects of surface texture parameters of cutting tools on friction conditions at tool-chip interface during dry machining of AISI 1045 steel	2019	Procedia Manufacturing	Elsevier B.V.	33		10.1016/j.promfg.2019.04.100	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068545189&doi=10.1016%2fj.promfg.2019.04.100&partnerID=40&md5=f1093e90ec5bc91f50933ffcb0ae3425	Conference paper

NAME OF FACULTY: MR. SAGAR. P. KADU

1	Kadu S.P.; Sarda R.H.	Experimental investigations on the use of preheated neat Karanja oil as fuel in a compression ignition engine	2010	World Academy of Science, Engineering and Technology	World Academy of Science, Engineering and Technology	72			https://www.scopus.com/inward/record.uri?eid=2-s2.0-78651570828&partnerID=40&md5=dfcb117b1ae410b08369ae306b96a230	Article
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