



List of Research Publications during last five years

Summary of Research Publications July 2014 to June 2019

Sr. No	Name of Department	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	Civil Engineering	13	52	08	46	119
2	Planning	06	06	04	04	20
3	Mechanical Engineering	04	72	19	63	158
4	Electrical Engineering	11	27	09	79	126
5	Electronics & Telecommunication Engineering	01	51	06	120	178
6	Instrumentation & Control Engineering	01	25	00	67	93
7	Metallurgy & Material Science	01	61	09	72	143
8	Production Engineering and Industrial Management	20	25	17	98	160
9	Computer Engineering & Information Technology	00	38	01	81	120
10	Applied Science	01	17	06	01	25
11	Physics	02	19	01	25	47
12	Mathematics	01	14	00	01	16
Total		61	407	80	657	1205



Civil Engineering Department

Sr. No	Years	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	08	07	04	12	31
2	2015-16	-	08	01	11	20
3	2016-17	02	25	01	-	28
4	2017-18	03	12	02	15	32
5	2018-19	00	00	00	08	08
	Total	13	52	08	46	119

Research Publications July 2014 to June 2015

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./ Page No.	National/ International
1	Liquefaction behavior of sand silt mixture under monotonic loading."	R.S.Dalvi and S.R.Pathak	'The Institution of Engineers: Pune Local Centre Technical Journal No. 38', ISBN: 978-81-924990-2-4, pp.	National
2	Application of Modal Flexibility Method for Damage Identification in Steel Beams	V. B. Dawari, G. R. Vesmawala	'The Institution of Engineers: Pune Local Centre Technical Journal No. 38', ISBN: 978-81-924990-2-4, pp. 23-27.	National
3	Assessment of Tourism Related Infrastructure in Vidarbha Region	Sonar, S. G., Das, Dilip, and PawarIsha	Spatio-Economic Development Record (SDR) Journal, May-June, 2015Published in Vol. 22, No. 3, 66-73, ISSN 0971-4944,	National
4	An Assessment of Opportunities and Challenges for Integrated Regional Tourism Development in the State of Odisha,	Das, Dilip, and Sonar, S. G.,	Published in Vol. XLVI, No. 2, Indian Journal of Regional Science, 19-30, ISSN 0046--9017, July-December, 2014.	National
5	Some Relevant Issues to Explore Tourism Potentials for Development of Vidarbha Region,	Sonar, S. G., Das, Dilip, and Pawar Isha,	Published in Vol. 11, No. 2, ITPI Journal, 24-33, ISSN 0537-9679, April-June, 2014.	National
6	"Evaluation of Special Township Policy: Case Study of Pune Metropolitan Region",	Sharma Sneha S., Diwan Ganesh R., Petkar A.S.	Indian Journal of Regional Science, Volume XLVII, No.1, ISSN: 0046-9017, pp95-106.	National



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./ Page No.	National/ International
7	“Urban Housing and Policies in India: Review and Research Challenges”,	Petkar A. S. and Dr. J.E.M. Macwan	Journal of Indian Institute of Architects, Vol.79, Issue 12, ISSN: 0019-4913, pp 26-31.	National
8	Behavior of Recycled aggregate in concrete	S R Yadav & S R Pathak	Indian Construction, Journal for the Indian Architecture, Building and Construction Industry, ISSN 0971-1244.Vol. 47, No. 10 , Oct 2014, pp 12-18.	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./ Page No.	National/ International
1	Effect of sample size on liquefaction of sandy soil.	S.R.Pathak and R.S.Dalvi	Recent Trends in Civil Engg and Technology. Vol. 4 [2014], Issue 2,1-8. [ISSN NO 2321-6476].	International
2	Application of Nonlinear Concrete Model for Finite Element Analysis of Reinforced Concrete Beams	V. B. Dawari, G. R. Vesmawala	International Journal of Scientific & Engineering Research, ISSN 2229-5518, Vol. 5, No. 9, 2014, pp. 776-782	International
3	Parameter Estimation for the Nonlinear Forms of the Muskingum Model	Hirpurkar, P. and Ghare, A.	Journal of Hydrologic Engineering, ASCE.ASCE, Journal of Hydrologic Engineering. DOI: 10.1061/(ASCE)HE.1943-5584.0001122.	International
4	Closure to “Discussion of “Parameter Estimation for the Nonlinear Forms of the Muskingum Model” by Ali R. Vatankhah”,	Hirpurkar, P. and Ghare, A.	Journal of Hydrologic Engineering, ASCE.DOI: 10.1061/(ASCE)HE.1943-5584.0001122, by Piyusha Hirpurkar ¹ and Aniruddha D. Ghare	International
5	Determination of Active Earth Thrust on Fascia Retaining wall	(41) S. R. Pathak, M. M. Bajantri & D. R. Phatak	International Journal of Engineering and Science Invention; ISSN :2319-6734, Vol.3, Issue 6, June 2014 pp 15-21	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./ Page No.	National/ International
6	Quality Assurance and Control of Bitumen-Viscosity Graded Approach	Ashutosh Patekar, Dr. M. S. Ranadive	International Journal of Innovations in Engineering and Technology, ISSN 2319-1058, Vol. 4, June 2014, PP 40-50	International
7	Metro Tunnelling – A Challenge	V. R. Pol, Dr. M. S. Ranadive	International Journal of Earth Sciences and Engineering, ISSN 0974-5904, April 2015, Vol. 08, No. 02, PP 313-319	International

National Conference				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./ Page No.	National/ International
1	Liquefaction behavior of sand silt mixture under monotonic loading.	R.S.Dalvi and S.R.Pathak	Annual Technical Paper Meet -2014, Pune Local Centre of The Institution of Engineers (India), October, 18-19 2014.	National
2	Application of Modal Flexibility Method for Damage Identification in Steel Beams”,	V. B. Dawari, G. R. Vesmawala	Annual Technical Paper Meet -2014, Pune Local Centre of The Institution of Engineers (India), October, 18-19 2014.	National
3	Polito-Cultural Perspectives for Development of Smart Cities in India,	Das, Dilip, and Sonar, S. G.	63rd National Town & Country Planners Congress, Chennai, Published in the proceeding, 277-283, January, 9th to 11th, 2015.	National
4	“Regulating Street Vending as an Integral Part of Urban Planning”,	Shete S. B. and Petkar A.S.	Proceedings of National Conference on “Sustainable and Smart Cities” organized by Urban Planning Section, Civil engineering Department, SVNIT, Surat on 10/04/2015 to 11/04/2015, pp144-152.	National

International Conference



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./ Page No.	National/ International
1	Damage coupled strain-space cyclic plasticity	B. M. Dawari and V. B. Dawari,	4th Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2014), October 10-13, 2014, Nara, Japan, hosted by Osaka Institute of Technology, Japan.	International
2	Evaluation of Effect of Crack on Natural Frequencies of Beams”,	K. B. Patale, V. B. Dawari,	Fifth International Conf. on Computational Mechanics and Simulations, December 10-13, 2014, Structural Engineering Research Centre, Chennai,	International
3	Structural Damage Identification Using Modal Strain Energy Method	V. B. Dawari, P. P. Kamble, G. R. Vesmawala,	Structural Engineering Convention 2014 (SEC 2014), 22 – 24 December 2014, Indian Institute of Technology, Delhi.	International
4	“A study of Land use Planning and optimization”	Bhide H. and Petkar A.S.	Proceedings of 4th International Conference on Recent Trends in Engineering and Technology organized by SNJB's Jain College of Engineering, Nashik on 2/7/2015 to 4/7/2015, pp 407-414.	International
5	“Framework of Analytical Hierarchy Process based on Residential Location Preferences”	Petkar A. S. and Dr. J.E.M. Macwan	Proceeding of the Neo International Conference on Habitable Environments held on 31Oct to 2 Nov, 2014, pp 513-518.	International
6	Dynamic Active Earth pressure on Flexible Cantilever Retaining Wall	S R Pathak & Sachin S. Munnoli	Accepted for oral presentation in XIIIth Int.Conf. on Soil Mechanics and Geotechnical Engineering (ICSMGE-2015) to be held in NYC during June 4-5 2015	International
7	Effect of strain rate on angle of internal friction of clean sand	VaishakhiSomani-Horey, S. R. Pathak and D. R. Phatak	Accepted and presented at International conference on Sustainable energy and built environment, 12-13 March 2015, VIT University.	International
Sr.	Title of the Paper	Authors	Publication Details /Vol.	National/



No			No. /ISSN No./ Page No.	International
8	Performance of Bituminous Concrete Using Waste Plastic As Modifier	Padamwar S. V., Dr. M. S. Ranadive	Proceedings of International Conference on Sustainable Energy and Built Environment, organised by Vellore Institute of Technology, Vellore, ASCE-ICES, 12-13 March 2015, pp 316-322	International
9	Performance Study of Mastic Asphalt With Cement As Filler Material	Hadole H.P., Dr. M. S. Ranadive	Proceedings of International Conference on Sustainable Energy and Built Environment, Organised by Vellore Institute of Technology, Vellore, ASCE-ICES, 12-13 March 2015, pp 305-310	International
10	Study of Performance Panel Overlay For Pavements Using ANSYS	Chavan-Patil P.S., Dr. M. S. Ranadive	Proceedings of International Conference on Sustainable Energy and Built Environment, Organised by Vellore Institute of Technology, Vellore, ASCE-ICES, 12-13 March 2015, pp 278-282	International
11	Investigation on the adsorption of Mn(II) on surfactant- modified alumina : batch and coloumn studies	Dr.M.U. Khobragade & Anjali Pal	Journal of Environmental Chemical Engineering	International
12	Adsorptive removal of Cu(II) and Ni(II) from single -metal , binary-metal, and industrial waste water systems by surfactant- modified alumina	Dr.M.U. Khobragade & Anjali Pal	Journal of Environmental of Environmental science and health	International

Research Publications June 2015 to July 2016

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
	Nil			



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Adsorptive removal of Mn(II) from water and wastewater by surfactant-modified alumina	M.U. Khobragde and Anjali Pal	Desalination and Water Treatment, Volume 57 Issue 6, January 28, 2016, PP 2775-2886	International
2	Batch and Continuous Fixed-Bed Column Adsorption for the Removal of Ni (II) from Aqueous Solutions using Surfactant-Treated Alumina	M.U. Khobragde and Anjali Pal	Recent Patents on Engineering, Vol. 10 No. 1, 2016, pp 1-15	International
3	Application of response surface methodology to evaluate the removal efficiency of Mn(II), Ni(II) and Cu(II) by surfactant-modified alumina	M.U. Khobragde Ashish Kumar Nayak and Anjali Pal	Clean Technology and Environmental Policy, February, 2016, pp 1-18	International
4	Fixed-Bed Column Study on Removal of Mn(II), Ni(II) and Cu(II) from Aqueous Solution by Surfactant BilayerSupported Alumina	M.U. Khobragde and Anjali Pal	Seoaration Science and Technology, accepted on February, 2016	International
5	Use of E-waste as a Partial Aggregate Replacement in Open Graded Asphalt Concrete	Mankar Tushar Ulhasand BhosaleSukhanandSopan	9th International Conference on Road and Airfield Pavement Technology (9th ICPT, 2015) Published in the form of proceedings in CD form.	International
6	Performance Study of Bituminous Concrete Prepared Using E-Waste Plastic Powder Modified Bitumen	ShahaneHris hikesh Ashokand BhosaleSukhanandSopan	Paper accepted and would be publish during conference on March 2016. International Conference on Sustainable Asphalt Pavement for Developing Countries (ICONSAP) 2015_CRR I, NewDelhi, March 2016	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
7	Water Quality Analysis Using Geographic Information System at Mshi, Pune.	Prof.S.Mukhopadhyay& Ashish Pawar	IJSART Vol-2 Issue 6	International
8	Identification of Green Building attributes for the development of an assessment tool: a case study	Mrs. G.S.Vyas&Kumar Neeraj Jha	Taylor & Francis group, Civil Engineering and Environmental Systems , Vol 33, No.4 313-334	International

National Conference				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Study on Progressive Collapse of Steel Frame Structures	R. A. Munde, Prof. R. R. Joshi	Indian Conference on Applied Mechanics (INCAM 2015), IIT Delhi	National

International Conference				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Performance evaluation of flexible pavement by enhanced program using finite element method	Dr. M.S. Ranadive	4 th GeoChina International Conference 2016 July 25-27, 2016 • Shandong, China	International
2	Quality Control of Cationic Emulsion Modified Cold Mix in Flexible Pavement	Dr. M.S. Ranadive	3 rd International Conference on Earth Sciences and Engineering, (ICEE-2016) Koimatore	International
3	Viscosity Graded Approach for Quality Control of Bitumen	Dr. M.S. Ranadive	3 rd International Conference on Earth Sciences and Engineering, (ICEE-2016) Koimatore	International
4	Damage detection in composite beams using vibration based method", Accepted for, to be organized by Mumbai, India,	S. P. Joshi and V. B. Dawari	International Congress on Computational Mechanics and Simulations (ICCMS2016), IIT Bombay,	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ PageNo.	National/ International
5	Seismic Soil Liquefaction Potential Assessment Using Multi Gene Entropy Analysis	S. R. Pathak and A. N. Dalvi	Accepted for publication in Geotechnical Special Publication (GSP), ASCE GeoChina International Conference	International
6	Continuum Damage Mechanics based Nonlinear Finite Element Analysis of Structure	Dr. B.M.Dawari, P.D.Sathe,	Indian Conference on Applied Mechanics (INCAM), IIT Delhi.	International
7	Continuum Damage Mechanics based Nonlinear Finite Element Analysis of Structure	Dr. B.M.Dawari, P.D.Sathe,	Indian Conference on Applied Mechanics (INCAM), IIT Delhi.	International
8	Implementation FOR Chaboche Model of Plasticity	Dr. B.M.Dawari, A.N.Patil	Indian Conference on Applied Mechanics (INCAM), IIT Delhi.	International
9	Incremental Dynamic Analysis of RC Building Frames	Dr. B.M.Dawari, K.G.Sabhara njak	International Congress on Computational Mechanics and Simulation(ICCMS), IIT Bombay	International
10.	Moment Rotation Behaviour of Stainless Steel Beam-Column Connection	Dr. B.M.Dawari, V.S.Bhavsar	International Congress on Computational Mechanics and Simulation(ICCMS), IIT Bombay	International
11	Effect of aging on fatigue performance of hydrated lime modified bituminous mixes	Dr.Vijay Kakde	Construction and Building materials vol.113	International

Research Publications July 2016 to June 2017

National Conference				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.	National/ International
1	Perpetual pavement for rural roads: a concept	Dr. M.S. Randive and Saurabh Kulkarni	A national conference on 15 th years of PMGSY, IIT Roorkee	National



National Journals				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.	National/ International
1	" Effect of E-Waste Plastic as Aggregate Replacement on Marshall Mix Design of Dense Bituminous Macadam",	Pakhare Jagjit Laxman and Bhosale Sukhana ndSopan	Journal of IRC "Indian Highways", Vol. 45, No. 4, April 2017, pp 51 – 60.	National
2	Anti Planning : Could it be panacea for implementation challenges in urban areas of India.	Dr.S.G.S onar & Dr. Dilip Kumar Das	65 th national Town and Country Planners Congress	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Parameter sensitive analysis of flexible pavement	Dr.M.S.Randive & Mr. Anand Tapase	International Journal of Pavement Research and Technology 9(2016)466-472	International
2	Influence of Corrosion on Strength and Durability of RC Structure	Mrs.HemaMunot&Mr.TusharDiyora, Mr.RahulPatil	International Journal Of Engineering Research in Mechanical and Civil Engineering (IJERMCE) Vol 2 , Issue 3, March 2017	International
3	Effects of Chloride Ions on The Corrosion Resistance of conducting polypyrrole coated steel in simulated concrete pore solution	Mrs.HemaMunot, & Pravin Deshpande ,ChetankumarModhera	U.P.B.Science Bull. Series B, Vol.79, Issue 2,2017	International
4	Morphometric Analysis of River Drainage Basin/ watershed using GIS and RS: A Review	Prof.S.Mulhopa dhyay, MR. Sahil Sanjeev Salvi,	International Journal for reaserach in applied science &Engineering Technology(IJRASET) Vol - 5 , Issue V,	International

Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
---------------	---------------------------	----------------	---	--------------------------------



5	Morphometric Analysis for Prioritization lower Bhima Bassin by using GIS	Prof.S.Mulhopa dhyay,Asifraza A. Sayyad	IJSART Vol -2 Issue 7	International
6	Suitable site location fro solid waste disposal using GIS and RS Techniques	Prof.S.Mulhopa dhyay,Vaibhav A. Augad		International
7	Enhancement Of Greenness of New Construction using The DEA	Mrs.G.S.Vyas And Dr. Kumar Neeraj Jha	ARCOM Conferences,	International
8	Benchmarking green building attributes to achieve cost effectiveness using a data envelopment analysis	Mrs.G.S.Vyas And Dr. Kumar Neeraj Jha	Sustainable Cities and Society,January 2017, Pages 127–134, Volume 28	International
9	Development of a ranking algorithm for the green building attributes- A case of Indian Cities	Mrs.G.S.Vyas And Dr. Kumar Neeraj Jha	Taylor & Francis Group London ISBN 978-1-138	International
10	Free vibration analysis of functionally graded plates using new discrete Kirchhoff Quadrilateral Element Based on Reddy's Third order shear deformation theory under uniform and linear thermal environment	Dr.S.D.Kulkarni and G.A.Deshpande		International
11	Free Vibration Analysis of isotropic cylindrical skew shell panels using a four node discrete Kirchhoff flat shell element	Dr.S.D.Kulkarni and V.A.Dagade	SEC-2016,CSIR-SERC,Chennai,India	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
12	Free Vibration Analysis of Isotropic Moderately Thick Spherical and conical shell panels using a four node discrete Kirchoff quadrilateral flat shell element	Dr.S.D.Kulkarni and V.A.Dagade,Ch opade V.S.	ICCMS2016,IIT Mumbai	International
13	Free vibration analysis of functionally graded plates under theramal Environment using four node quadrilateral element	Dr.S.D.Kulkarni and G.A.Deshpande	SEC-2016,CSIR-SERC,Chennai,India	International
14	Free vibration analysis of functionally graded sandwich plates using discrete Kirchhoff Quadrilateral Element Based on Reddy's Third order shear deformation theory	Dr.S.D.Kulkarni and G.A.Deshpande	ICCMS2016,IIT Mumbai	International
15	Comparative Review criteria utilization by Leed and GRIHA: Green building rating systems for new construction in INdia	Dr.S.G.Sonar & Mr.Rohan Nalawade	International Journal of Scientific and research publication , Vol.6 ,Issue 10	International
16	Pavement performance evaluation for different combinations of tempetrature conditions and bituminous mixes	Dr.M.S.Randive & Anand Tapase	Springer International Publishing 2016	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
17	Evaluation of the sensitivity of different indices to the moisture resistance of bituminous mixes modified by hydrated lime and other modifiers	Dr.Vijay kakde	Road materials and pavement design ,2016	International
18	Elsto- Plastic Damage Analysis based on Strain-space plasticity	Dr.B.M.Dawari	6111 th Intrnational Symposium on Plasticity and impact mechanics,2016	International
19	Study of inter facial pressure distribution for preloded bolted connection	Dr.B.M.Dawari	ICCASP/ICMMD-2016 VOL 137, PP 265-270	International
20	Chaboche's viscoplasticity model for strain –space plasticity	Dr.B.M.Dawari	11 th and impact mechanics, implast 2016 international symposium on plasticit	International
21	Influence of Corrosion on Flexural strength of concrete	Dr.B.M.Dawari & Mr. A.N. Patil	Journal of Strustural Engineering and management Vol-4 Issue-1	International
22	Influence of Corrosion on Flexural strength of concrete	Prof. B.G.Birajdar	Journal of Strustural Engineering and management Vol-4 Issue-1	International
23	" Effect of E-Waste Plastic as Aggregate Replacement on Marshall Mix Design of Dense Bituminous Macadam",	Pakhare Jagjit Laxman and Bhosale Sukhanand Sopan	Journal of IRC "Indian Highways", Vol. 45, No. 4, April 2017, pp 51 – 60.	International
Paper published by Non – Teaching Staff				
1	Slaughter house waste management And treatment	Mr.Suhas Petkar	International Journal – Environmental observer by SEERAM	International
2	Microbial Leaching of Metals From Artificial Electronic waste	Mr.Suhas Petkar	International Journal – Environmental observer by SEERAM	International



Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Effect of E-Waste Plastic as Aggregate Replacement on Marshall Mix Design of Dense Bituminous Macadam	Pakhare J. L. and S. S. Bhosale	Indian Highways, Vol.45, No.4, pp. 51-60	National
2	Construction cost effectiveness of Sustainable construction Buildings in India	Dr.G.S.Vyas AbhayShivajiAvhad	Indian Concrete Journal (SCOPUS listed) Under review from 16 th August 2017	National
3	“Redistribution Principle Approach for Evaluation of Seismic Active Earth Pressure Behind Retaining Wall”,	Amol Maskar, Suhasini Madhekar and D. R. Phatak,	Journal of Institution of Engineers (India): Series A, ISSN 2250-2149, Vol. 99, Number 1, (March 2018) 99(1) : pp : 79-93 Springer. DOI 10.1007/s40030-017-0252-9	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Benchmarking green building attributes to achieve cost effectiveness using a data envelopment analysis	G.S.Vyas And K. N. Jha	Sustainable Cities and Society, Vol.28, pp.127-134	International
2	Influence of Corrosion on Strength and Durability of RC Structure	H. Munot, T. Diyora, & .R. Patil	International Journal Of Engineering Research in Mechanical and Civil Engineering, Vol.2, Issue 3	International
3	Morphometric Analysis of River Drainage Basin/ watershed using GIS and RS: A Review	S.Mulhopadhyay, S. S. Salvi	International Journal for Reaserach in Applied Science & Engineering Technology, Vol.5, Issue 5	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
4	Study of Aluminum Dross & Ordinary Portland Cement Modified Cold Bituminous Emulsion Mix	Akshay Jadhav & Vijay Kakade	Proceedings of the Institution of Civil Engineers: Construction Materials (In Press)	International
5	Development of a ranking algorithm for the green building attributes- A case of Indian Cities	G.S.Vyas, K. N. Jha and D. A. Patel	Life Cycle of Engineering Systems: Emphasis on Sustainable Civil Infrastructure, Taylor and Francis Group, London, ISBN 978-1-138-02847-0	International
6	Performance of Stone Mastic Asphalt and Asphaltic Concrete using Modifiers	M.S. Ranadive, H. P. Hadole and S.V. Padamwar	Journal of Materials in Civil Engineering, Vol. 30 (1)	International
7	Quality Control of Cationic Emulsion Modified Cold Mix in Flexible Pavement	Dr. M.S. Ranadive AnupKumawat	3 rd International Journal of Earth Sciences and Engineering, ISSN 0974-5904, Volume 09, No. 03, PP 165-169	International
8	Viscosity Graded Approach for Quality Control of Bitumen	Dr. M.S. Ranadive VinayakBobade	3 rd International Journal of Earth Sciences and Engineering, ISSN 0974-5904, Volume 09, No. 03, PP 404 – 410.	International
9	Evaluation of The Sensitivity Of Different Indices To The Moisture Resistance Of Bituminous Mixes Modified By Hydrated Lime And Other Modifiers	Dr. V.B. Kakade	International Journal of Road Material and Pavement Design, Vol. 18. No.6, pp. 1395-1410	International
10	A Study on Factors Influencing the Construction Industry of UAE Vimarsh: An Endeavour to Share Knowledge,	Dr. M.S. Ranadive	UGC approved Journal, School of Bussiness Management IFTM University, Moradabad, UP, Vol. 8, Issue 1, ISSN 0976-5174	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
11	“ Seismic Pounding of Multistorey R.C. Framed Buildings”,	Rohit Ravva and Sahasini Madhekar	International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE), 2017, Vol 2, Issue 3, March 2017, ISSN (Online) 2456 - 1290, Impact Factor 2.86, pp 355-359.	International
12	Vibration Control of Benchmark Building with Stacked TMDs ”,	Sanat Marathe and Sahasini Madhekar	International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE), 2017, Vol 2, Issue 3, March 2017, ISSN (Online) 2456 - 1290, Impact Factor 2.86, pp 364-369.	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	An attempt to Use Municipal Waste in Road Construction	Dr. M.S. Ranadive Swanand S. Kulkarni	Conference on Sustainable Asphalt Pavement for Developing Countries (CONSAP) , Central Road Research Institute, New Delhi	National
2	“Seismic Response Control of RC Building Installed with Magnetorheologica l Damper”,	Rohan Karande and Sahasini Madhekar,	Indian Conference on Applied Mechanics (INCAM) 2017, MNNIT Allahabad, 5-7 July 2017	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	“ Lateral Torsional Buckling of Web Tapered I-Beams Under the Influence of Geometric Imperfection and Transverse Load Positions”,	Nilesh Salunkhe and Sahasini Madhekar	13 th International Conference on Vibration Problems (ICOVP 2017), 29 th November – 2 nd December 2017, Indian Institute of Technology Guwahati, Assam, India	International



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
2	“Earthquake Induced Structural Pounding of Multi-storeyed R.C. Framed Buildings”	Rohit Ravva and Suhasini Madhekar	13 th International Conference on Vibration Problems (ICOVP 2017), 29 th November – 2 nd December 2017, Indian Institute of Technology Guwahati, Assam, India.	International
3	“Vibration Control of Benchmark Building with Single and Multi - Storeyed Stacked TMDs	Sanat Marathe and Suhasini Madhekar	13 th International Conference on Vibration Problems (ICOVP 2017), 29 th November – 2 nd December 2017, Indian Institute of Technology Guwahati, Assam, India.	International
4	“Performance Based Seismic Design of G+15 RC Symmetrical Building”	Priya Pujari and Suhasini Madhekar,	13 th International Conference on Vibration Problems (ICOVP 2017), 29 th November – 2 nd December 2017, Indian Institute of Technology Guwahati, Assam, India.	International
5	Seismic Behavior of G+10 RC Building Installed with Viscous Damping Wall”,	Shubham Patil, Vishal Shelar, Mayur Nalawade, Shrinivas Kakde and Suhasini Madhekar,	13 th International Conference on Vibration Problems (ICOVP 2017), 29 th November – 2 nd December 2017, Indian Institute of Technology Guwahati, Assam, India.	International
6	“Experimental Study of Scrap Tyre Rubber Pads as Base Isolators	Nitin Amesur, Shubham Nikam, Gauri Natu, Jyoti Jadhav and Suhasini Madhekar,	13 th International Conference on Vibration Problems (ICOVP 2017), 29 th November – 2 nd December 2017, Indian Institute of Technology Guwahati, Assam, India.	International
7	“Investigation of Seismic Performance of Steel Braced Frames Installed with Buckling Restrained Braces”	Prajakta Shete and Suhasini Madhekar,	,13 th International Conference on Vibration Problems (ICOVP 2017), 29 th November – 2 nd December 2017, Indian Institute of Technology Guwahati, Assam, India.	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
8	“Seismic Displacement Evaluation of Retaining Wall by Dubrova’s Hypothesis: Passive Case”	Amol Maskar and Suhasini Madhekar,	13 th International Conference on Vibration Problems (ICOVP 2017), 29 th November – 2 nd December 2017, Indian Institute of Technology Guwahati, Assam, India.	International
9	“Low-cost Base Isolators using Scrap Tyre Rubber Pads”,	Nitin Amesur, Shubham Nikam and Suhasini Madhekar,	International Conference on Composite Materials and Structures (ICCMS 2017) , 27-29 th December 2017, Hyderabad, India	International
10	“Non-Linear Viscous Damper as a Pounding Mitigation Measure”,	Rohit Ravva and Suhasini Madhekar	Second International Conference on Advances in Concrete, Structural and Geotechnical Engineering (ACSGE - 2018) , February 26 - 28, 2018, Department of Civil Engineering, Birla Institute of Technology an Science (BITS) , Pilani	International
11	“Analysis of RC Buildings under Seismic Excitation with and without consideration of Soil Structure Interaction”	Vrushali Garde, Neha Pagar, Raghav Taparia and Suhasini Madhekar	International Conference on Advances in Construction Materials and Structures (ACMS 2018), March 7-8, 2018, IIT Roorkee 247 667.	International
12	Seismic Performance of Steel Buildings installed with Viscous Fluid Dampers”	Shweta Sajjanshetty and Suhasini Madhekar	International Conference on Advances in Construction Materials and Structures (ACMS 2018), March 7-8, 2018, IIT Roorkee 247 667.	International
13	“Use of Water Tank as Tuned Liquid Damper for RC Building”	Mangesh Deshmukh and Suhasini Madhekar,	International Conference on Advances in Construction Materials and Structures (ACMS 2018), March 7-8, 2018, IIT Roorkee 247 667.	International



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
14	“Seismic Performance of steel building installed with Buckling Restrained Braces”,	Prajakta Shete and Suhasini Madhekar,	International Conference on Advances in Construction Materials and Structures (ACMS 2018), March 7-8, 2018, IIT Roorkee 247 667.	International
15	“Lateral Torsional Buckling of Web Tapered I-Beams under the Influence of Geometric Imperfection and Transverse Load Positions”,	Nilesh Salunkhe and Suhasini Madhekar	International Conference on Advances in Construction Materials and Structures (ACMS 2018), March 7-8, 2018, IIT Roorkee 247 667.	International

Research Publications July 2018 to June 2019

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
	NIL			

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	NIL			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No	National/ International
1	“Lateral Torsional Buckling of Web Tapered I-Beams under the Influence of Geometric Imperfections and Transverse Load Positions”	Nilesh Salunkhe and Suhasini Madhekar,	2 nd International Conference On Structural Integrity (ICONS 2018), December, 14-17, 2018, IIT Madras, Chennai.	International



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No	National/ International
2	“Fatigue Life Estimation of Welded Plate Girder of Railway Bridge”,	Suhasini Madhekar and Dinesh Shewale,	2 nd International Conference On Structural Integrity (ICONS 2018), December, 14-17, 2018, IIT Madras, Chennai.	International
3	“Seismic Performance of Steel Building Installed with Buckling Restrained Braces considering Soil Structure Interaction”,	Parjakta Pathak and Suhasini Madhekar	2 nd International Conference On Structural Integrity (ICONS 2018), December, 14-17, 2018, IIT Madras, Chennai.	International
4	“ Performance Based Seismic Design of Base Isolated RC Building”	Suhasini Madhekar, Priya Pujari and Swapnil Kharmale	16 th Symposium on Earthquake Engineering, (16 SEE 2018), December 20-22, 2018, Department of Earthquake Engineering, IIT Roorkee and Indian Society of Earthquake Technology (ISET) , Roorkee 247 667	International
5	“Viscous Dampers for Controlling Seismic Response of Asymmetric Building”,	Suhasini Madhekar and Dhanashree Tulankar	16 th Symposium on Earthquake Engineering, (16 SEE 2018), December 20-22, 2018, Department of Earthquake Engineering, IIT Roorkee and Indian Society of Earthquake Technology (ISET) , Roorkee 247 667	International
6	“Steel Slit Panels Frames for Low to Medium Seismic Applications”,	Swapnil Kharmale and Suhasini Madhekar	16 th Symposium on Earthquake Engineering, (16 SEE 2018), December 20-22, 2018, Department of Earthquake Engineering, IIT Roorkee and Indian Society of Earthquake Technology (ISET) , Roorkee 247 667	International
7	“ Seismic Performance of Steel Building Installed with Buckling Restrained Braces and Hybrid Braced System”,	Prajakta Shete and Suhasini Madhekar	16 th Symposium on Earthquake Engineering, (16 SEE 2018), December 20-22, 2018, Department of Earthquake Engineering, IIT Roorkee and Indian Society of Earthquake Technology (ISET) , Roorkee 247 667	International



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No	National/ International
8	“Lateral Torsional Buckling of Web Tapered I-Beams Under the Influence of Geometric Imperfections and Transverse Load Positions”,	Nilesh Salunkhe and Suhasini Madhekar	16 th Symposium on Earthquake Engineering, (16 SEE 2018), December 20-22, 2018, Department of Earthquake Engineering, IIT Roorkee and Indian Society of Earthquake Technology (ISET) , Roorkee 247 667	International



Planning Department

Sr. No	Year	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2017-18	2	4	0	0	6
2	2018-19	1	0	2	2	5
	Total	6	6	4	4	20

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Factors affecting health care accessibility of women in Slums	Prof.Neha Verma Madan	UGC sponsored National Seminar on 'Social Transformation towards Inclusive Growth of Marginalised Communities' conducted by Department of Adult, Continuing Education & Extension, Savitribai Phule Pune University Pune – 411007, Maharashtra, India on 03 & 04 Jan 2017	National
2	Smart City Mission- Challenges and Opportunities in Pune City	Prof.Neha Verma Madan	National Conference on Design with the Environment, conducted by D.Y. Patil School of Architecture in collaboration with Savitribai Phule Pune University on 31st January to 1st February 2017	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1.	Gender inclusive urban planning in Pune city	Neha Verma	International Journal of Engineering research (IJER) VOL 7	International
2.	Influence of Built characteristics on safety of women in public spaces -Case of Mumbai and Pune	Poulomee Ghosh, Amruta Kakirde, Shruti Vaishampayan	IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES, VOLUME 4, ISSUE 3, AUGUST /2017 ISSN (ONLINE): 2394-8442	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
3.	Accessibility to Rural Sanitation	A. Kakirde, D. Gaikwad	International Academy for Science & Technology Education and Research, Design, Vol.5, Issue 2, April-June 2017. (International Journal)	International
4.	"Identifying Urban Zonal Preferences: Planners' perspective	Petkar, A. S. and Macwan, J.E.M.	ICE-Urban Design and Planning, Vol. 170, Issue 1, pp 1-22, ISSN:1755-0793,DOI: http://dx.doi.org/10.1680/jurd.p.15.00041 (Scopus indexed, SJR ranking 0.320)	International

National Conferences

Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	NIL			

International Conferences

Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
	NIL			



Mechanical Engineering Department

Sr. No	Name of Department	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	1	12	2	09	24
2	2015-16	1	5	2	6	14
3	2016-17	0	14	5	20	39
4	2017-18	1	29	8	13	51
5	2018-19	1	11	2	15	29
	Total	4	71	19	63	157

Research Publications July 2014 to June 2015

National Journal				
Sr. No.	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Mathematical model for calculating inventory cost	N R Rajhans, S B Patil & Preeti Kulkarni	Industrial Engineering Journal; Vol. VIII & Issue No. 1, Jan 2015; 12-15	National

International Journal				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	"Prediction of Soot and NOx Emissions for Common Rail Diesel Engines Operating Under Transient Conditions	N H Walke, M R Nandgaonkar, N V Marathe	International Review of Mechanical Engineering (IREME ISSN-1970-8734), Vol. 8, No. 5, September 2014.	International
2	Development of Oil Mist Separator and Evaluation with Oil Droplet Diameter using Multiphase Simulation for Diesel Engine	M B Dusane, M R Nandgaonkar	International Journal of Research in Engineering & Advanced Technology, (ISSN-2320-8791), Vol. 2 issue 5 Oct-Nov. 2014	
3	Heat Transfer Analysis Of Medium Duty DI Diesel Engine	Deepali Agarwal, Aniket Basu, M R Nandgaonkar	International Journal of Informative & Futuristic Research ISSN (Online): 2347-1697, Volume 2, Issue 10 June 2015,	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
4	“Case Study on Economic and Energy Analysis of Eco-Friendly Heat Pump System”	N. D. Shikalgar I. K. Ganachari, Rashmi Sapali Dr. R. R. Arkerimath Dr. S. G. Taji	International Journal of Engineering and Management Research, Special Vol. May 2015, Page Number: 192-195 ISSN (Online): 2250-0758, ISSN (Print): 2394-6962	International
5	Experimental study and numerical analysis of a CFRP butt-joint between the pipes of dissimilar materials.	Ladhwe, R.N., Kumar, P., Singh, K.K., Sarkar, P.K. and Ugale, V.	The Journal of Adhesion’ Published online on November 21, 2014. doi: 10.1080/00218464.2014.972 502	International
6	‘Characterization of GFRP butt-joint under tensile and flexural loading.’	Ladhwe, R.N., Kumar, P., Singh, K.K. and Sarkar, P.K.	Journal of Composite Material Published online on September 4, 2014. doi: 10.1177/0021998314550220	International
7	The contact stress calculations in artificial hip-joint by finite element method	<u>V.K.Tripathi</u> , K.V.Nemade	Int. J. Computer Aided Engineering and Technology, Vol. 6, No. 4, 2014, pp 430 - 441	International
8	Effect of Graphite Addition on the Mechanical Properties of Stir cast Particulate Aluminum Metal Matrix Composite Reinforced with Alumina and silicon Carbide	Kulkarni Swanand R. Sonawane P. M. Karnik M. G.	Applied Mechanics and Materials Vol. 612, August, (2014) pp 163-168	International
9	Investigations on single phase natural circulation loop dynamics-Part 1 : Model for simulating start-up from rest	Naveen Kumar, Kannan Iyer, j.B.Doshi, P.K.Vijayan	Progress in Nuclear Energy, vol. 76 (2014), pp. 148-159	International
10	Investigations on single phase natural circulation loop dynamics-Part 2 : Role of wall constitutive laws	Naveen Kumar, Kannan Iyer, j.B.Doshi, P.K.Vijayan	Progress in Nuclear Energy, vol. 75 (2014), pp. 105-116	International
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International



11	Investigations on single phase natural circulation loop dynamics-Part 3 : Role of expansion tank	Naveen Kumar, Kannan Iyer, j.B.Doshi, P.K.Vijayan	Progress in Nuclear Energy, vol. 78 (2015), pp. 65-79	International
12	A model for deformation in high energy rate micro forming process	S R Sondur, S V Pawar, S A Salunke, S R Salunke & S B Patil	International journal of Advanced Manufacturing Technology, Springer Vol. 176; issue I (2015), 189-197.	International

National Conference				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Analysis in a Piston Bowl of DI Diesel Engine using CFD	Venkatesh Mantalwad, M R Nandgaonkar	Advanced Simulation Technologies Indian User Conference 2014 Pune, November 12 th	National
2	Simulation and performance analysis of a domestic refrigerator using Propane (R 290) as an Eco-friendly refrigerant	Shikalgar N.D. Dr. Sapali S. N.	A National Conference on "Recent Trends in Energy Engineering" on 9 th October 2015 at PVPIT, Budhgaon. ISBN: 987-93-83752-20-1	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	The mechanism of Electrochemical discharge	M. G. Karnik	5 th Int. Conf on Advance Design and Manufacture, held at Valencia , Spain, Published in Key Engg Materials, Trans Tech Publications, Switzerland, Vol 572, (2014), pp 295-299.	International
2	Design and development of test rig for photo based 3D object scanning	N.K.Chougule, Kulkarni Yogesh, Kalaria Dhaval, Chougule Pratik, Shahapurkar Mithilesh	International conference on Additive Manufacturing (ICAM3D) at VelTech University, Chennai Feb. 2015	International

Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
---------------	---------------------------	----------------	--	--------------------------------



3	Enhancement of Heat Transfer using Vortex Generator in jet impingement applications	Rahul Patole, N.K.Chougule	International conference on Recent Advances in Mechanical Engineering (ICRAME-2015) at GH raisoni Engg college Pune 26-28 Feb 2015	International
4	Design and development of test rig for photo based 3D object scanning	N.K.Chougule, Kulkarni Yogesh, Kalaria Dhaval, Chougule Pratik, Shahapurkar Mithilesh	International conference on Additive Manufacturing (ICAM3D) at VelTech University, Chennai 5-7 Feb. 2015	International
5	Numerical Analysis of a Single - Edge Notched Tension Specimen Repaired with CFRP Patch	V. K. Tripathi, S. Tamboli, P. S. Shinde, P. Kumar,	International Conference Junior Euromat 2014, Lausanne, Switzerland	International
6	Topology optimization of an automotive steering knuckle	Patil D. S., Deokar R. G., V. K. Tripathi,	In proc. of Int. Conf. on Adv. in Engg. And Tech., Pune, 2014	International
7	Modelling and simulated performance of fined tube Air cooled Condenser Using R290 as substitute for R22	Mr. Ganechari I. K. Mr. Shikalgar N.D. Dr. Sapali S. N.	International Conference on "Recent Advances in Mechanical Engineering" at 26-28 th Feb. 2015 at GHRCOE &M, Wagholi, Pune	International
8	"Case Study on Economic and Energy Analysis of Eco-Friendly Heat Pump System"	N. D. Shikalgar I. K. Ganechari, Rashmi Sapali Dr. R. R. Arkerimath Dr. S. G. Taji	International Conference on "Recent Advances in Mechanical Engineering" at 26-28 th Feb. 2015 at GHRCOE &M, Wagholi, Pune	International
9	Stopper rod mechanism in a smaller ladle for bottom pour with low thermal masses in Investment Shell Casting Process	Dr.Prof. Shantipal S. Ohol' Nilesh P. Vani kar, and Rajendra Anjekar	International Conference on Advances in Engineering Science and Management ICAESM-15, 08 th Nov, 2015, Agra, India	International

Research Publications July 2015 to June 2016



National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
1	Mathematical model for calculating inventory cost	N R Rajhans, S B Patil & Preeti Kulkarni	Industrial Engineering Journal; Vol. VIII & Issue No. 1, Jan 2015; 12-15	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Heat Transfer Analysis Of Medium Duty DI Diesel Engine	Deepali Agarwal, Aniket Basu, M R Nandgaonkar	International Journal of Informative & Futuristic Research ISSN (Online): 2347-1697, Volume 2, Issue 10 June 2015,	International
2	“Case Study on Economic and Energy Analysis of Eco-Friendly Heat Pump System”	N. D. Shikalgar I. K. Ganechari, Rashmi Sapali Dr. R. R. Arkerimath Dr. S. G. Taji	International Journal of Engineering and Management Research, Special Vol. May 2015, Page Number: 192-195 ISSN (Online): 2250-0758, ISSN (Print): 2394-6962	International
3	Investigations on single phase natural circulation loop dynamics-Part 3 : Role of expansion tank	Naveen Kumar, Kannan Iyer, j.B.Doshi, P.K.Vijayan	Progress in Nuclear Energy, vol. 78 (2015), pp. 65-79	International
4	A model for deformation in high energy rate micro forming process	S R Sondur, S V Pawar, S A Salunke, S R Salunke & S B Patil	International journal of Advanced Manufacturing Technology, Springer Vol. 176; issue I (2015), 189-197.	International
5	Solution of PHWR 3D kinetics benchmark using TRIKIN code	Rakesh Kumar, Obaidurrahman K., J.B.Doshi, Avinas Gaikwad	Progress in Nuclear Energy, vol. 85, (2015), 200-212.	International

National Conferences				
Sr.	Title of the Paper	Authors	Publication details/Vol.No./ISSN	National/



No			No./Page No.	International
1	Simulation and performance analysis of a domestic refrigerator using Propane (R 290) as an Eco-friendly refrigerant	Shikalgar N.D. Dr. Sapali S. N.	A National Conference on "Recent Trends in Energy Engineering" on 9 th October 2015 at PVPIT, Budhgaon. ISBN: 987-93-83752-20-1	National
2	Nodal integral method for inflow-outflow boundary conditions	Neeraj Kumar, Suneet Singh and Jagdeep Doshi	23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference IHMTC2015 17-20 December, 2015, Thiruvananthapuram, India	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Design and development of test rig for photo based 3D object scanning	N.K.Chougule, Kulkarni Yogesh, Kalaria Dhaval, Chougule Pratik, Shahapurkar Mithilesh	International conference on Additive Manufacturing (ICAM3D) at VeITech University, Chennai Feb. 2015	International
2	Enhancement of Heat Transfer using Vortex Generator in jet impingement applications	Rahul Patole, N.K.Chougule	International conference on Recent Advances in Mechanical Engineering (ICRAME-2015) at GH raisoni Engg college Pune 26-28 Feb 2015	International
3	Design and development of test rig for photo based 3D object scanning	N.K.Chougule, Kulkarni Yogesh, Kalaria Dhaval, Chougule Pratik, Shahapurkar Mithilesh	International conference on Additive Manufacturing (ICAM3D) at VeITech University, Chennai 5-7 Feb. 2015	International
4	Modelling and simulated performance of fined tube Air cooled Condenser Using R290 as substitute for R22	Mr. Ganechari I. K. Mr. Shikalgar N.D. Dr. Sapali S. N.	International Conference on "Recent Advances in Mechanical Engineering" at 26-28 th Feb. 2015 at GHRCOE &M, Wagholi, Pune	International
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International



5	"Case Study on Economic and Energy Analysis of Eco-Friendly Heat Pump System"	N. D. Shikalgar I. K. Ganachari, Rashmi Sapali Dr. R. R. Arkerimath Dr. S. G. Taji	International Conference on "Recent Advances in Mechanical Engineering" at 26-28 th Feb. 2015 at GHRCOE &M, Wagholi, Pune	International
6	Stopper rod mechanism in a smaller ladle for bottom pour with low thermal masses in Investment Shell Casting Process	Dr.Prof. Shantipal S. Ohol' Nilesh P. Vanikar, and Rajendra Anjekar	International Conference on Advances in Engineering Science and Management ICAESM-15, 08 th Nov, 2015, Agra, India	International

Research Publications July 2016 to June 2017

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Experimental Investigation of Optimum level of Reinforcements within 6061Al Alloy for better Tribological and Mechanical Properties	Dr. M. G. Karnik, Mr.Parshuram M Sonawane	Journal title: Materials Today: Proceedings 28-Apr-2017 DOI:10.1016/j.matpr.2017.02.215	International
2	Multiphase Flow Analysis of Hydrodynamic Journal Bearing using Coupled Field Fluid-Structure Interaction considering Cavitation	Dinesh Dhande, PhD scholar, Dr D W Pande	Journal of King saud University: Engineering of Elsevier, JKsUES-D-00085R1 Sep-16	International
3	Effects of tangential and radial velocity on fluid flow and heat transfer for flow through pipe with twisted tape insert'	Chaware Parag and Sewatkar C.M.	Communicated to Heat and Mass Transfer (Springer), 2016	International
Sr. No	Title of the Paper	Authors	Publication Details/ Vol. No./ISSN No./ Page No.	National/ International



4	Flow around four side-by-side square cylinders placed in a channel	Shimpi Charudatta, Swapnil Awate and Sewatkar C. M.	Communicated to Journal of Fluid Mechanics (Cambridge University Press), 2016	International
5	Performance, Combustion and Emission Analysis of Compression Ignition Engine Fuelled with Blends of Tyre Pyrolysis Oil	Sanket Muley, M R Nandgaonkar	International Journal of Latest Trends in Engineering and Technology Vol.(7)Issue(4), November 2016, pp.311-317 http://dx.doi.org/10.21172/1.74.043 e-ISSN:2278-621X,	International
6	Experimental Investigation of Single Cylinder Diesel Engine Using Biodiesel Ethanol Blended Fuels	Jitendra Patil, Sanket Muley, M R Nandgaonkar	International Advanced Research Journal in Science, Engineering and Technology ISO 3297:2007 Certified, ISSN (Online) 2393-8021 ISSN (Print) 2394-1588 DOI 10.17148/IARJSET.2016.31206 Vol. 3, Issue 12, December 2016	International
7	"MATLAB Simulation and Validation of Fluid Properties in the Cross Flow Wet Cooling Tower"	Nandkumar Annarao Rawabawale, Shivalingappa Nagappa Sapali	Internatinonal Revie of Mechanical Engineering(IREME), Vol. 11 No.2, 2017	International
8	"Performance Evaluation of a Domestic Refrigerator with a Thermal Storage arrangement Using Propane as a Refrigerant"	Niyaj D Shikalgar, S. N. Sapali	Elsevier publication, International Journal Energy Procedia 109 (2017) 34 – 39	International
9	"Performance Investigation of Natural Refrigerant R290 as a Substitute to R22 in Refrigeration Systems"	C. S. Chaudhari, S. N. Sapali	Elsevier publication ,Energy Procedia 109 (2017) 346 – 352	International

Sr. No	Title of the Paper	Authors	Publication Details/ Vol. No./ISSN No./ Page No.	National/ International
--------	--------------------	---------	--	-------------------------



10	“Optimising the Size of a CFRP Patch to Repair a Crack in a Thin Sheet”	A.R. Rasane, P. Kumar & M.P. Khond	The Journal of Adhesion Published online: 23 June 2016	International
11	Monolithic compliant slider crank mechanism for motion amplification	S. S. Pardeshi, S. Kandhalkar, B. Deshmukh	Materials Today: Proceedings volume 4 Issue 2PA (2017) ii-xxii, ISSN 2214-1853	International
12	The role of yield stress on cracked thin panels of aluminium alloys repaired with a FRP patch	P. S. Shinde, V. K. Tripathi P. Kumar, K. K. Singh, P. K. Sarkar	The Journal of Adhesion, 93/5, 412-429, 2017	International
13	“Design and Development of InPipe Inspection Robot”	Atul A. Gargade, Dr. Shantipal S. Ohol	American International Journal of Research in Science, Technology, Engineering & Mathematics AIJRSTEM, 15(2), June-August, 2016, pp. 104-109	International
14	Development of In-pipe Inspection Robot	Atul A. Gargade, Dr. Shantipal S. Ohol	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 13, Issue 4 Ver. VII (Jul. - Aug. 2016), PP 64-72	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.	National/ International
1	Quantification of NVH Parameters in DC Electric Motors used for Automobile Applications	Gaurav Shinde, MTech-Auto Tech, D W Pande	Symposium on International Automotive Technology (SIAT) 2017, January 18-21 held at The ARAI campus in Pune India.	National
2	Design and Analysis of a Cage-less Differential using Face Gears	Vardhan Kanekal, Rishabh Jain, B Tech, Dr. D.W.Pande	COMET'17, IITBHU, Varanashi (U.P.) Apr-17	National

Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page	National/ International
---------------	---------------------------	----------------	--	--------------------------------



			No.	
3	“Exergy Analysis Of The Refrigerator With Eco-Friendly Refrigerants “	Niyaj D Shikalgar, S. N. Sapali, Anil G Wavare	2 nd National Conference on Research & Developments in Mechanical Engineering” at G.H. Rasoni College of Engineering and Management Wagholi, Pune on 09 th -10 th Feb2017, NCRDME-2017.	National
4	“Numerical Simulation of Energy Efficient Air Cooler”	Kaushal P. Patil, S. N. Sapali, Avinash M. Deshmukh	2 nd National Conference on Research & Developments in Mechanical Engineering” at G.H. Rasoni College of Engineering and Management Wagholi, Pune on 09 th -10 th Feb2017, NCRDME-2017.	National
5	“ Design, Development, and Analysis of Operating Machine for Animal Husbandry”	Pawan P. Pawar, S. N. Sapali	2 nd National Conference on Research & Developments in Mechanical Engineering” at G.H. Rasoni College of Engineering and Management Wagholi, Pune on 09 th -10 th Feb2017, NCRDME-2017.	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Experimental Investigation for Microwelding of 304 Stainless Steel Thin Sheets using low Power Fiber Laser	Dr. V. K. Haribhakta, Shrikant B. Patil, Sujit S. Pardeshi	6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016)	International
2	Development Of A Cost-Effective, Generic Attitude Control And Determination System Testbed For Small Satellites	Ms. Prabhune Bhagyashree Chandrakant, Mr. Rathod Abhijit Laxman, Mr. Waghulde Dhaval Vilas, Ms. Zambre Priyanka Vivek, Mr. Baj Girish Rajendrakumar Dr. D. W. Pande	29 th Space Simulation Conference, November 14-17, 2016, Annapolis, Maryland US	International

Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
---------------	---------------------------	----------------	--	--------------------------------



3	Effects of Tangential Velocity on Fluid Flow and Heat Transfer for Turbulent Flow through the Pipe with Twisted Tape Insert	Parag Chaware and C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P	International
4	On the Effect of Reynolds Number and Spacing Ratio on Flow through a 4 x 4 Array of Square Cylinders with LBM	Mayur Patil, Mustafa Abbas, Ajiket Patil and C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P	International
5	Force Scatter Analysis of Flow through a Bundle of Square Cylinders Using LBM	Mayur Patil, Mustafa Abbas, Ajiket Patil and C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P	International
6	Effect of Moving Lid on Heat Transfer and Fluid Flow in Differentially Heated Square cavity	Lahorkar Ashwin, Kotkar Sanket, Kulkarni Shubham, C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P	International
7	Fluid Flow and Heat transfer from Two Side by Side Heated Square Cylinders	Mayur Patil and C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P	International
8	Numerical analysis of forced convection in a lid driven cavity with different heat sources placed along the bottom wall	Divyaj Shah, ketki Godbole, C. M. Sewatkar	International Conference of Recent Advances in Mechanical Engineering, Dehli Technological University, Dehli, India, 14 th and 15 th Oct 2016	International
9	Effect of location of heat source and Rayleigh number on natural convection in a square cavity using thermal lattice Boltzmann method	Patil M. Y., Patil A. J., Sewatkar C. M.	ICCMS2016, IIT Bombay, Mumbai, India, June 27-July 1, 2016	International

Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
--------	--------------------	---------	--	-------------------------



10	Performance, combustion and emission analysis of compression ignition engine fuelled with blends of fish oil biodiesel	Sanket Muley, M R Nandgaonkar	1 st International and 18 th ISME conference on Enabling Sustainable Development in Mechanical Engineering, NIT, Warangal, 23-25 February, 2017.	International
11	“Influence of process parameter during machining of graphite using micro- wire electric discharge machine”	Selmokar P. H., Pardeshi S. S., Shubham Patil, Sunil Patil	6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016)	International
12	“Abrasive Assisted Electrical Discharge Machining: An Innovative Hybrid Approach”	S.H.Wankhade, B.M. Dabade M.P.Khond	International conference on Material Manufacturing and Design Engineering(icmmd 2016)December20-21,2016	International
13	“Improving Quality of Technical Education by Quality Function Deployment”	Mohan Khond, Shrinivas Patil, Swapnil Sonawane, Chaitanya Shrishrimal and Aarti Bhattu	International Conference at Detroit Lawrence Tech Campus, USA September 24, 2016. (Awarded as best track paper in Engineering Education)	International
14	“Growth of Food Tech: A Comparative Study of Aggregator Food Delivery Services in India”	Mohan Khond, Mustafa Abbas, Harsh Balihallimath and Nishant Bidichandani	IEOM international Conference at Detroit Lawrence Tech Campus, USA September 24, 2016. (Awarded 2 nd place in Undergraduate Student Research Competition, Award Sponsored by SIEMENS	International
15	Reinforcement of Graphene in Aluminium Metal-matrix Composite	Suraj Tat, Mundra S.S., Pardeshi S.S., Patil S.R. and Swami Pankaj	6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016)	International
16	Experimental Investigations into Low Power Micro Laser Clad Surfaces	Dandekar V.S., Bulbule N.B., Chaudhari A.S., Deshmukh K.D. and Bhavikatti S.S.	6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016)	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
17	Development of a precision experimental setup for a flexure based micro motion amplifier	S. S. Pardeshi, B. B. Deshmukh	International Conference on Research into Design, 9-11 January, Guwahati, India	International
18	Increasing energy efficiency by optimized cryogenic capable pressure vessel for liquid hydrogen fuel in automobile	Dr. V. K. Tripathi, Rahul Rundive, Anagha Bhagat	World Congress on Engineering and applications (WCEA – 2016) Bangkok, Thailand 16-17 Dec. 2016	International
19	“Development of Actively Steerable In-pipe Inspection Robot for Various Sizes”	Atul A. Gargade, Dr. Shantipal S. Ohol	Advances in Robotics (AIR 2017), at IIT Delhi, New Delhi, during June 28-July 2, 2017	International
20	“ Investment Casting Bottom Pour Ladle Development Trials ”	Nilesh P. Vanikar, Dr., Robert C. Voigt, Dr.Prof. Shantipal S. Ohol, Tanay R. Anjekar	63rd ICI International Technical Conference, Columbus, Ohio, 16th to 19th Oct 2016.	International

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Investigating the Effect of Material Change on Strength of Helical Gear”,	A. S. Chavan, B. B. Deshmukh, P.V.Pawar, S.V.Wagh, S.S.Pardeshi.	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X PP. 19-22.	National



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Testing of Environment friendly refrigerant R 290 for water cooler application	C. S. Choudhari, S. N. Sapali	IJE Transaction A: Basics Vol. 31, No.1 (January 2018) 157-163	International
2	Experimental Performance analysis of Refrigerant R 290 for water cooler application.	C. S. Choudhari, S. N. Sapali	International Review of Mechanical Engineering (IREME) Vol. 11, No. 6, June 2017, pp 419-425	International
3	Numerical and Thermal Analysis of Condensers Applied to Domestic Refrigerator	N. D. Shikalgar, S. N. Sapali	International Review of Mechanical Engineering (IREME) Vol. 11, No. 7, June 2017, pp 481-485	International
4	MATLAB simulation and validation of fluid properties in the cross flow cooling tower	N. A. Rawabawale S. N. Sapali,	International Review of Mechanical Engineering (IREME), 11(2):114 – 120, 2017, ISSN 1970-8734.	International
5	“Experimental Method to Find the Flux and Temperature Distribution on the Flat Receiver of Small Central Receiver System	P. M. Gadhe, S. N. Sapali, G. N. Kulkarni, A. G. Ghoti	” International Review of Mechanical Engineering (IREME), Vol. 11, N. 6, June 2017, published by Praiseworthy Prize Publications.	International
6	“Comparative Analysis of Experimental and Numerical Solar Flux Density Distribution from a Small Heliostat Field”	P. M. Gadhe, S. N. Sapali, G. N. Kulkarni	Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 04-Special Issue, 2018	International
7	“Experimental Evaluation of the Solar Flux Distribution on the Flat Receiver of a Model Heliostat System	P. M. Gadhe, S. N. Sapali, G. N. Kulkarni	International Journal of Renewable Energy Research	International

Sr.	Title of the Paper	Authors	Publication Details/	National/
------------	---------------------------	----------------	-----------------------------	------------------



No			Vol.No./ISSN No./ Page No.	International
8	Experimental and Numerical Investigations of Solar Flux Density Distribution over Flat Plate Receiver of Model Heliostat System,	P. M. Gadhe, S. N. Sapali, G. N. Kulkarni	Journal of Thermal Engineering, Yildiz Technical University Press, Istanbul, Turkey (accepted)	International
9	Performance prediction and validation of a cross-flow wet cooling tower	N. A. Rawabawale, S. N. Sapali Nilesh Sonawane	International Review of Heat and Mass Transfer (PREHEAT), 4(3):66 – 71, 2017, ISSN 2281-7352.	International
10	Experimental Method to Find the Flux and Temperature Distribution on the Flat Receiver of Small Central Receiver System	P. M. Gadhe S. N. Sapali G. N. Kulkarni A. G. Ghoti	International Review of Mechanical Engineering (IREME), Vol. 11, No. 6 ISSN 1970 - 8734, June 17, PP-426-432	International
11	CFD Analysis of Pressure Control Valve used in ABS using Fluid Structure Interaction Technique	Vinit Shete, Ketan Parashar, Shashank Borde and Nandgaonkar, M. R.	International Journal of Current Research Vol. 9, Issue, 06, pp.52531-52541, June, 2017ISSN: 0975-833X.	International
12	Comparison and Evaluation of performance, Combustion, NOx reduction and Nano particle emission of Diesel, Jatropa and Karanja oil Methyl Ester Biodiesel in a Military 38.8L CIDI Engine Applying EGR with Turbo Charging	Anand Kumar Pandey, Milankumar Nandgaonkar, Sajeetha Suresh, Umang Pandey	JSAE Paper Number: 20180961 Original SAE International, 2018-01-0919, April 03, 2018. ISSN 0148-7191Doi:10.4271/2018-01-0919 , 8	International
13	Dynamic analysis and design modification of a ladder chassis frame using finite element method	Shrinidhi Rao Dr. A.P. Bhattu (Associate Professor)	Amity Journal of Computational Sciences Volume 1 Issue 2 ISSN 2456-6616	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
14	Variable thickness approach for finding minimum laminate thickness and investigating effect of different design variables on its performance	N. S. Kulkarni, V. K. Tripathi	Vol. LXV, No. 4, ISSN 0004-0738, 527 – 551	International
15	Investigations of laser microwelding using low power fiber laser for thin 304 stainless steel sheets	Haribhakta V K, Sujit S.Pardeshi, Shrikant B Patil	Int J Precision Technology Vol7,Nos 2/3/4, 2017, Page 151-157.Inderscience publication,	International
16	The Role of yield stress on cracked thin panels of aluminum alloys repaired with a FRP patch	P.S. Shinde, P. Kumar, K.K. Singh, V. K. Tripathi and P.K. Sarkar	The Journal of Adhesion, (Thomson Reuters IF: 1.417), Vol no. 93/5, pg nos.: 412-429, 2017.	International
17	Fracture toughness and shear strength of the bonded interface between an aluminium alloy skin and a FRP patch	Prakash S Shinde, Prashant Kumar and Gaurav Bhoyar	Journal of The Institution of Engineers: Series C, (H-index 8), Vol no. 1-11, DOI: 10.1007/s40032-018-0467-1, 2018	International
18	Evaporative Cooling Tower With Nylon Net As Filling Material	Sawarkar, Chaphale, Durge, Gulsundare Khond	International Journal of Science and Technology and Engineering ,Volume 4, Issue12 in June 2018 pp 139-148	International
19	Design and Experimentation of test rig for measuring Effectiveness of brake pad	Wasekar , Khond	E journal for scientific Research and Development, volume 5 issue 6 ,in Aug 2017	International
20	Study of Laser Beam Welding of Copper and Aluminium Joint	S.P. Gadewar, M. P. Khond, M. J. Rathod	International Organization of Scientific Research (IOSR-JMCE) ISSN 2278 Page 62-74, 17 th March 2017	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
21	Abrasive Assisted Electrical Discharge Machining: An Innovative Hybrid Approach”	S.H.Wankhade, B.M. Dabade, M.P.Khond	Advances in Intelligent System Research Volume 137 PP 290-297 in March 2017 published by Atlanta Press ISSN 1951-6851 in Collaboration with Springer	International
22	Investigations of laser microwelding using low power fibre laser for thin 304 Stainless Steel sheets	V K haribhakt S S pardeshi S B Patil	International Journal of Precision Technology, Volume 7, Nos 2/3/4, 2017, 151-167	International
23	Vibration analysis of beams	Vaibhav Ghodge, A P Bhattu, S B Patil	International journal of engg Trends and Technology, Vol-55, No2, Jan 2018 pp 81-86.	International
24	Effects of Tangential and Radial Velocity on Fluid Flow and Heat Transfer for Flow through the Pipe with Twisted Tape Insert-Laminar Flow	Parag Chaware and C. M. Sewatkar	SADHANA, 43(9), 150, 2018	International
25	Effects of Tangential and Radial Velocity on the Heat Transfer for Flow through Pipe with Twisted Tape Insert-Turbulent Flow	Parag Chaware and C. M. Sewatkar	International journal of Heat and Technology, Vol 35, No 4, 2017	International
26	Use of fin analysis for determination of thermal conductivity of material	Neha Sanjay Babar , Saloni Suhas Deshmukh, Sharayu Dattatray Ghogare , Sneha Bharat Bansude, Pradyumna Dhamangao nkar	International Journal of Engineering and Techniques - Volume 3, Issue 6, Nov-Dec 2017	International

Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
---------------	---------------------------	----------------	--	------------------------------------



27	Characterization of interfacial waves and pressure drop in horizontal oil-water core-annular flows	Sumit Tripathi, Rico F. Tabor, Ramesh Singh, Amitabh Bhattacharya	Physics of Fluids, 29(8), 082109. (2017)	International
28	Rheological behavior of high internal phase w/o emulsions: Effects of droplet size, phase volume ratio, salt concentration and aging,	Sumit Tripathi, Amitabh Bhattacharya, Ramesh Singh, Rico F. Tabor	Chemical Engineering Science, 174, 290-301.	International
29	Methodology for optimization of pouring variables using bottom pour for low masses of SS304 (<300 kg) in investment casting process (case study)	S S Ohol, Nilesh Vanikar & Saeede Goldar	International Journal of Cast Metals Research (IJCMR), UK, Volume 31, 2018 - Issue 4, published online on 5th Jan 2018, pp. 249-259.	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Design and Analysis of a Cage-less Differential using Face Gears	Vardhan Kanekal, Rishabh Jain, B Tech, Dr. D.W.Pande	COMET'17, IITBHU, Varanashi (U.P.)	National
2	Modelling and simulation of bottom condenser used in domestic refrigerator	N. D. Shikalgar, S. N. Sapali B. Chaudhari	Presented at NCRDMECE-2018, GHRCEM Pune Dated	National
3	Performance analysis of Portable air conditioner of HC 290	K S Khedkar S. N. Sapali	Presented at NCRDMECE-2018, GHRCEM Pune Dated	National
4	Energy performance assessment of R290 water cooler	C. S. Choudhari, S. N. Sapali	Presented at NCRDMECE-2018, GHRCEM Pune Dated	National



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
5	Solar Flux Density Distribution from a Small Heliostat Field: Comparison of Experimental and Numerical Results	P. M. Gadhe S. N. Sapali G. N. Kulkarni	Presented at NCRDMECE-2018, GHRCEM Pune Dated	National
6	Three dimensional flow around a square cylinder using periodic boundary conditions'	Pallavi Karale, Jagruti Dhande, C. M. Sewatkar,	Proceedings of the 44 th National Conference on Fluid Mechanics and Fluid Power December 14-16, 2017, Amrita University, Amritapuri Campus, Kollam, Kerala, India	National
7	Experimental investigations for flow around rotating cylinder	Mallinath Chinchansure, Nikhil Naik, C. M. Sewatkar	Proceedings of the 44 th National Conference on Fluid Mechanics and Fluid Power December 14-16, 2017, Amrita University, Amritapuri Campus, Kollam, Kerala, India	National
8	Simulation Of Dual Clutch Transmission	Hipparge V.K, Dhamangankar P.R.	NCRTME – 2017 Date of Publication 2017/6/29	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Experimental Performance analysis of Refrigerant R 290 for water cooler application.	C.S. Choudhari, S. N. Sapali	Presented at "ICMESCoE-2017" at MES COE , Pune on	International
2	Performance Evaluation of a Mist Spray Direct Evaporative Cooler	A. M. Deshmukh S. N. Sapali	Presented at "ICMESCoE-2017" at MES COE, Pune on	International
3	Numerical and Thermal Analysis of Condensers Applied to Domestic Refrigerator	N. D. Shikalgar, S. N. Sapali	Presented at "ICMESCoE-2017" at MES COE, Pune on	International

Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page	National/ International
---------------	---------------------------	----------------	--	------------------------------------



			No.	
4	Performance, combustion and emission analysis of compression ignition engine fuelled with blends of fish oil biodiesel	Sanket Mulye, Milankumar Nandgaonkar	1st International and 18th ISME conference on Enabling Sustainable Development in Mechanical Engineering, NIT, Warangal, 23-25 February, 2017.	International
5	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	Anand Kumar Pandey, Milankumar Nandgaonkar, Umang Pandey, Sajeetha Suresh, Vijay R. Deshmukh	ASME 2017, International Mechanical Engineering Congress & Exposition, IMECE2017, November 3-9, 2017, Tampa, Florida, USA. ISBN: 978-0-7918-5841-7, doi:10.1115/IMECE2017-70067.	International
6	Se ignition of methane air mixture in a constant volume combustion chamber	Sanket Mulye, Milankumar Nandgaonkar, Chidanand Koshti	24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), December 27-30, 2017, BITS Pilani, Hyderabad, India.	International
7	Laser Ignition with Internal Combustion Engine: Review	Sanket Mulye, Milankumar Nandgaonkar, Chidanand Koshti	International conference on sustainable energy and environmental challenges (SEEC-2018) Indian Institute of Science Bangalore.	International
8	Review: Laser Ignition with Liquid Fuels	Shrimantini Patil, Milankumar Nandgaonkar	International conference on sustainable energy and environmental challenges (SEEC-2018) Indian Institute of Science Bangalore	International
9	Dynamic analysis and design optimization of Automobile chassis frame using FEM	Shrinidhi Rao (M.Tech student) Dr. A.P. Bhattu Associate Professor	iNaCoMM 2017 at Division of Remote Handling & Robotics Bhabha Atomic Research Centre Mumbai	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
10	Production and engine performance & emission evaluation of karanja & jatropa based biodiesel	N.K.Chougule	19 th Asia Pacific Automotive Engineering Conference & 2017 SAE- China Cobngress & Exhibition	International
11	Design & analysis of performnace oriented road legal muffler	N.K.CHOUGULE	International conference on Mechanical, electronic system and computer engineering , June 2017	International
12	Development of a Correlation for the Estimation of the Higher Calorific Value (HCV) of Diesel based on its Kinematic Viscosity and Density	Mrunal Bhalerao, Pooja Pangavhane, Pradyumna Dhamangaonkar	International Conference on Inventive Systems and Control (ICISC-2017) ISBN:978-1-5090-4714-7	International
13	Studies on adsorption kinetics of PiBSA-based emulsifiers at oil-water interface using dynamic interfacial tension measurements	Sumit Tripathi, Rico F. Tabor	31st Australian Colloid and Surface Science Student Conference, January 29-February 1, 2018, Warrnambool, Victoria, Australia.	International

Research Publications July 2018 to June 2019

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Analysis of the Failure of Bonded Interface between Aluminium Skin and FRP Patch Using Cohesive Zone Model	Amol Rasane, Prashant Kumar and Mohan Khond	Journal of The Institution of Engineers: Series C, (H-index 8) Softcopy: https://doi.org/10.1007/s40032-018-0490-2 Hard copy in press	National



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Design, Development and Fabrication of A Mist Spray Direct Evaporative Cooling System and Its Performance Evaluation	A M Deshmukh, S. N. Sapali	International Journal of Thermal Engineering	International
2	Energy and exergy analysis of a domestic refrigerator : Approching a sustainbale refrigerator	N D Shikalgar S N Sapali	International Journal of Thermal Engineering	International
3	Experimental Investigation of the Effect of Karanja Oil Biodiesel with Cerium Oxide Nano Particle Fuel Additive on Lubricating Oil Tribology and Engine Wear in a Heavy Duty 38.8L,780 HP Military CIDI Diesel Engine	Anand Kumar Pandey, Milankumar Nandgaonkar, Umang Pandey, S Suresh	SAE International, 2018-01-1753, September 10, 2018, ISSN 0148-7191doi:10.4271/2018-01-1753	International
4	The Effect of Cerium Oxide Nano Particles Fuel Additive on Performance and Emission of Karanja Biodiesel Fueled Compression Ignition Military 585kW Heavy Duty Diesel Engine ,	Anand Kumar Pandey, Milankumar Nandgaonkar, Umang Pandey, S Suresh, Anil Varghese	SAE International, 2018-01-1818, September 10, 2018, ISSN 0148-7191 doi:10.4271/2018-01-1818.	International
5	Dependence of repair strength on the size of FRP patch bonded to a cracked aluminum alloy panel	Prakash Shinde, Prashant Kumar, VipinTripathi	Thin Walled Structures, 124, 2018, ISSN: 0263-8231, 303 – 311	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
6	Effects of laser hardening process parameters on the mechanical and wear properties of ck45 steel using an orthogonal array.	Santoshkumar V. Wagh, Dhananjay V. Bhatt, Jyoti V. Menghani, Shivnanda S. Bhavikatti.	International Journal of Modern Manufacturing Technologies ,ISSN 2067–3604, Vol. X, No. 2 / 2018.	International
7	A model to predict fatigue crack initiation in plates with a pre-crack	Prakash S. Shinde, Prashant Kumar and Kuldeep Pawar	Strength, Fracture and Complexity, (H- index 8) Vol. No. 11, Pg. Nos. 19–29, 2018	International
8	Dependence of Repair strength on the size of FRP patch bonded to a cracked aluminium alloy panel	P.S. Shinde, P. Kumar and V. K. Tripathi	Thin Walled Structures, (Thomson Reuters IF: 2.829) Vol No. 124, Pg. Nos. 303-311, 2018.	International
9	“Design and Fabrication of Biomass Pelleting Machine”	Anirudha Tondare, Vishka Zope, Anay Nadkar, Mohan Khond	Journal of Advancement in Machines Volume 3 Issue 3 Oct 2018	International
10	Integration of constant velocity joint with final drive of gearbox for eliminating transmission losses.	Mayur K. Bhure, Vineet M. Wanhede, Gaurav R. Arekar, Vrushali D. Tayade, Dr. Preetam H. Shelmokar	International journal of advance engineering and research development Volume 5, Issue 07, july-2018	International
11	Multi-Response Optimization of Micro-WEDM Process Parameters of Ti49.4-Ni50.6 Shape Memory Alloy for Orthopedic Implant Application	A.M. Takale, N.K.Chougule, Dr. Preetam H. Shelmokar, M.G.Gavari.	Advanced Materials Research Submitted: 2018-06-13 ISSN: 1662-8985, Vol. 1150, pp 1-21	International



Estd-1854

College of Engineering Pune

Forerunners in Technical Education



National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Performance analysis of Portable air conditioner of HC 290	K S Khedkar S. N. Sapali	Presented at NCRAC , 2018 NIT, Warangle	National
2	Numerical and cavitation analysis of Centrifugal Pump	N D Dhote, Yogesh Waykar, M P Khond	NCTEP -19,ISSN 2394-3696,D Y Patil College of Engg and Innovation ,Varale,Pune	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Evaluation of Irreversibility Rate In Marine Boiler For Formulating The Performance Of Thermal Plant By The Exergy Method	J S Pal S. N. Sapali	ICER-454th International conference on "Heat transfer and fluid flow (ICHTFF)" at Philadelphia, USA on 28-29 December 2018.	International
2	Performance Analysis Of A Household Refrigerator Retrofitted With Shell And Tube Water-Cooled Heat Exchanger	N D Shikalgar S N Sapali	ICER-454th International conference on "Heat transfer and fluid flow (ICHTFF)" at Philadelphia, USA on 28-29 December 2018.	International
3	Performance Evaluation Of Mist Spray Direct Evaporative Cooler Through Experimentation And Its Comparasion With Conventional Evaporative Cooler With Honeycomb Pad Arrangement	A M Deshmukh, S. N. Sapali	ICER-454th International conference on "Heat transfer and fluid flow (ICHTFF)" at Philadelphia, USA on 28-29 December 2018.	International
4	Constrained Optimization by Sub-region based Best Surrogate Models	Shailesh S. Kadre and Vipin K. Tripathi	In Proc of 1st ASRES Int. Conf. on Modeling, Analysis and Optimization (MAO-2018), 9-11 Jul 2018, Amsterdam, Netherlands	International



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
5	Fatigue behavior at elevated temperature of a cracked aluminium alloy panel repaired with a FRP patch	Prashant kumar, P. S. Shinde, H. P. Shinde, A. S. Todkar	ICFC 7- The 7th International conference on the fatigue of composites, 4-6 July 2018, Vicenza, Italy	International
6	Thermal management and sensitivity study of air cooled SMPM motor',	Bhupesh Agrawal, Mohit Verma, C. M. Sewatkar	Symposium on International Automotive Technology 2017	International
7	Experimental Investigation on Flow around Two Rotating cylinders in Tandem Arrangement	Nikhil Naik, Ritesh Solanki, C. M. Sewatkar	Proceedings of the 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 10-12, 2018, IIT Bombay, Mumbai, India Paper ID: 610	International
8	Experimental Investigation on Flow around Two counter Rotating cylinders in Tandem Arrangement	Ritesh Solanki, Nikhil Naik, C. M. Sewatkar	Proceedings of the 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 10-12, 2018, IIT Bombay, Mumbai, India Paper ID: 554	International
9	Numerical Investigation of Transient Heat Transfer for Flow across a Row of Heated Square Cylinders	Tanmay M. K hare, Atharv A. Naik, Apurva A. Parakh, Sohan S. Soni and C. M. Sewatkar	Proceedings of the 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 10-12, 2018, IIT Bombay, Mumbai, India Paper ID: 192	International
10	Flow Around an Array of Circular Heated Bodies	Jerrin Job, Prathamesh Mhatre, Raviraj Jidge, C. M. Sewatkar	Proceedings of the 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 10-12, 2018, IIT Bombay, Mumbai, India Paper ID: 357	International



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
11	Flow reversal in a pipe with d tape inserts	Parag Chaware and C. M. Sewatkar	Proceedings of the 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 10-12, 2018, IIT Bombay, Mumbai, India Paper ID 28	International
12	Flow transitions flow through a pipe with twisted tape inserts	Parag Chaware and C. M. Sewatkar	Proceedings of the 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 10-12, 2018, IIT Bombay, Mumbai, India Paper ID 790	International
13	Cold Gas Propulsion System for Hyperloop Pod	Prabhakar Naik, Jayant Unde, Bhushan Darekar and P. R. Dhamangaok ar	International Conference on Recent Advances in Fluid and Thermal Sciences (iCRAFT2018) December 5-7, 2018, Dubai, UAE	International
14	Effect of Process Parameters on Surface Properties of Laser-Hardened Cast Iron	S. V. Wagh, Sudeep Ingole, D. V. Bhatt, J. V. Menghani, M. J. Rathod.	The Minerals, Metals & Materials Society (ed.), TMS 2019 148th Annual Meeting & Exhibition Supplemental Proceedings, The Minerals, Metals & Materials Series, https://doi.org/10.1007/978-3-030-05861-6_72	International
15	Pipeline transportation of highly concentrated w/o emulsion using water lubricated core-annular flow (CAF)	Sumit Tripathi, Ramesh Singh, Rico F. Tabor, Amitabh Bhattacharya	Proceedings of the 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 10-12, 2018, IIT Bombay, Mumbai, India	International



Electrical Engineering Department

Sr. No	Year	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	5	6	3	18	32
2	2015-16	5	07	3	15	30
3	2016-17	1	04	02	27	34
4	2017-18	--	07	00	06	13
5	2018-19	--	03	01	13	17
	Total	11	27	09	79	126

Research Publications July 2014 to June 2015

National Journals				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Design and development of a three phase generalized power modulator for grid interface of wind installations	A.P.Deshpande, V.M.Aranake, B.N.Chaudhari, V.N.Pande	Institute of Engineers, Annual Technical Journal-2015	National
2	IRP for Demand-Supply Balance COEP Hostel- A Case Study	Mrs. Anjali Dharme Mrs. Shalaka Chaphekar, D. B. Talange	Institution of Engineers, Pune, 10Oct. 2015	National
3	Experimental Verification of Prototype Model of UPFC to Enhance the Power Transmission Capability of Transmission Line	Mrs. Anjali Dharme Mrs. Vrushali Khatavkar, Pradip Gaikwad	Institution of Engineers, Pune, 10Oct. 2015	National
4	Wavelet based Power Quality disturbances in distribution system-A Case Study	Mrs. Madhura Tuljapurkar Mrs. Anjali Dharme	Institution of Engineers, Pune, 10Oct. 2015	National
5	Modeling and Control of Active Clamp Forward Converter with Center Tap Transformer	V. S. Rajguru, B. N. Chaudhari	IETE Journal of Research	National



International Journals				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
1	A Robust Control Approach for Suppression of Container-Slosh using Output-feedback Based on Super-Twisting Algorithm	JyotiPrakash Mishra, Shailaja Kurode	Int. Journal of Adv. Mechatronic Systems, Vol. 6, NO. 1, PP.24-35 DOI: 10.1504/IJAMECHS.2014.066925	International
2	"Observer based Sliding Mode Control for a Class of Non-commensurate Fractional Order Systems	Amruta Mujumdar, Bhadyashri Tamhane, S. Kurode	IEEE/ASME Transaction on Mechatronics. Vol.20 , Issue 5, PP2504-2512, Oct , 2015, DOI: 10.1109/TMECH.2014.2386914	International
3	Observer Based Control of Seeker System System of a Missile using Sliding Modes	Bhagyashri Tamhane, Dharamveer Singh, Shailaja Kurode, Prasad Parakhi	Int. Ashian Journal of control Vol.18, No. 3, PP1-4 , 1/3/2015, DOI 10.102/asjc.1138	International
4	Temperature control of Heat Exchanger using Sliding Mode Control Law	A.R. Laware D.B. Talange V.S. Bandal	Journal of Control and Instrumentation (JoCI-2015) ISSN:2229-6972 (online) ISSN:2347-7237 (print)	International
5	Simulation and Fabrication of Single Phase Z-Source Inverter for Resistive Load	Meera Murali, Prathamesh Deshpande, Burhanuddin Virpurwala, Piyusha Bhavsar	Scientific Bulletin, Series C, ISSN 1454-234x	International
6	Design Analysis , Fabrication and Testing of Laboratory Model of Transmission Line.	Meera Murali, V.N.Pande, N.Gopalakrishnan	International Journal of Electric Power Components, Taylor and Francis, Vol. 43, Issue 11, PP. 1215-1224, June 2015. DOI: 10.1080/15325008.2015.1028581 Published online: 13 Jun 2015	International



National Conference				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
1	Fault Detection & Location on a Transmission line Using GPS Synchronized Phasor Measurement	Anamika Yadav, Bhupendra Kumar, Sanjay S. Dambhare	National Conference on Power System Protection/- /2015/-/-	National
2	Load angle control strategy for doubly fed induction generator	A.P.Deshpan de, D.B.Talange, K.S.Desai	ICIC-2015, IEEE sponsored International Conference, Instru Dept., COE, Pune	National
3	Modeling and simulation of STATCOM for Power Quality improvement in Distribution System	Sharad Pawar, A.P.Deshpan de, Mrs. Meera Murali	ICESA-2015, IEEE sponsored International conference, Dr. D.Y.Patil Engg. College, Pune	National

International Conference				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Robust output-feedback control for container-slosh system using Variable Gain Super-twisting Algorithm	J P Mishra, S.R.Kurode	13 th Int conf. on Variable Structure System held at Paris France during June 29 2014-July 2 2014, DOI:10.1109/VSS.2014.6881114	International
2	Mismatched disturbance estimation and compensation for seeker system using higher order sliding mode control"	Bhagyashri Tamhane, Amruta Mujumdar and S. Kurode	,13 th Int conf. on Variable Structure System held at Paris France during June 29 2014-July 2 2014, DOI: 10.1109/ VSS.2014.6881114	International
3	A third order sliding modes based output-feedback control for stabilization of container-slosh"	J P Mishra, S.R.Kurode	14 th Int conf. on Control, Automation and Systems (ICCAS), 2014 held at Kintex, South Koeria, during Oct 22-25, 2014, PP. 661-666	International
4	Modeling and sliding mode control of flexible structure",	SK Gorade, SR Kurode, PS Gandhi,"	14 th Int conf. on Control, Automation and Systems (ICCAS), 2014 held at Kintex, South Koeria, during Oct 22-25, 2014, PP.787-793	International



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
5	Design, Implementation and Control of Pitching System for low-power Wind Turbine	Saurabh Bagade, Serene Saptasagar, Shailaja Kurode,	IEEE Int. Conf. on Power Electronics, Drives and Energy Systems held at I.I.T. Bombay during Dec 16-19, 2014	International
6	Robust Control of Electro-Hydraulic System using Higher Order Sliding Modes"	Ashpana Shiralkar, Shailaja Kurode	1st Int. Conf on Indian Control Conference to be held at I.I.T. Chennai, during Jan 5-7, 2015	International
7	"Mathematical Modeling of Flexible Inverted Pendulum on Cart with Tip Mass"	Sanket Gorade & Shailaja Kurode	Chinese Control and Decision Conference CCDC 2015 during May 23-May 25, 2015	International
8	"Mismatched Disturbance Compensation using Sliding Mode Control" 10th Asian Control Conference "	Bhagyashri Tamhane & Shailaja Kurode,	Emerging Technology for Sustainable World to be held at Kota Kinabalu, Malaysia during May31-Jun1 1, 2015	International
9	," Image Processing Approach for Mathematical Modeling of Flexible Structure	Mrudul Patvardhan, Shailaja Kurode, Sanket Gorade and P.P.Rege	,"10th Asian Control Conference on " Emerging Technology for Sustainable World to be held at Kota Kinabalu, Malaysia during May31-Jun1 1, 2015	International
10	,"Finite-Time Control of Unmatched Uncertain Systems using Super-Twisting Algorithm"	Ravindra Honkambale, Shailaja Kurode, J. P. Mishra and B. Tamhane	10th Asian Control Conference on " Emerging Technology for Sustainable World to be held at Kota Kinabalu, Malaysia during May31-Jun1 1, 2015	International
11	Modeling of Inverted Elastic Pendulum on Cart with Tip Mass having Multiple Dynamic Equilibria"	Sanket Gorade & Shailaj Kurode,"	Int. Conf. on Industrial Instrumentation and Control to be held during May 28-30, 2015	International
12	Fractional Order Disturbance Observer based Robust Control	Bhagyashri Tamhane, Amruta Mujumdar and Shailaja Kurode	Int. Conf. on Industrial Instrumentation and Control to be held during May 28-30, 2015	International



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
13	Robust PID Control for a Class of Unmatched Uncertain Systems"	Shailaja Kurode, Ravindra Honakamble and Jyoti Mishra	Int. Conf. on Industrial Instrumentation and Control to be held during May 28-30, 2015	International
14	Robust control of liquid level in coupled tank system using smooth first order sliding modes	Sonali Salunkhe, Shailaja Kurode and Vinodini Bhole	", Int. Conf. on Industrial Instrumentation and Control to be held during May 28-30, 2015	International
15	"ANN Based Intelligent Control of Induction Motor Drive With Space Vector Modulated DTC",	Jadhav, S.V. ; Dept. of Electr. Eng., Kirankumar, J. ; Prof. Dr. Chaudhari, B.N.	IEEE International Conference on Power Electronics, Drives and Energy Systems PEDES-2012 Bangaluru. Page(s)1 - 6 Print ISBN: 978-1-4673-4506-4 INSPEC Accession Number:13400071 DOI:10.1109/PEDES.2012.6484350	International
16	"Studies on performance of Direct Self Control of Induction Motor in Field weakening region,"	Jadhav, S.V. ; Dept. of Electr. Eng. Rashmi Talekar M.Tech. Student	Second International Conference on Electrical and Electronics Engineering & Technology 2013, ICEEET'13 Rasipuram, India	International
17	Design of Controller for Unified Power Flow Controller (UPFC) using Sliding Mode Control (SMC) Strategies	Umre P. B.; Bandal V. S.; Dhamne A.R.	Confluence: The Next Generation Information Technology Summit (Confluence)2014, Amity University, Noida, 5th International Conference, pp.893-897, 25 th -26 th Sept. 2014 Print ISBN: 978-1-4799-4237-4	International
18	A Three Phase Shunt Active Power Filter Based on Instantaneous Reactive Power Theory	Yogesh Prabhu Mrs. Anjali Dharme D. B. Talange	INDICON, Dec.2014	International



Research Publications July 2015 to June 2016

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Optimal Placement and Sizing of Distributed Generation in Radial Distribution System using PSO',	S. P. Ghanegaonkar & V. N. Pande	Technical Journal of Institution of Engineers (India), Pune Local Centre, Vol. 39, Nov. 2015, pp 214-219, ISBN No.: 978-81-924990-3-1	National
2	Design and Development of Laboratory Model of Unifies power flow controller	Meera, Murali, V. N. Pande & N. Gopalakrishna b	Technical Journal of Institution of Engineers (India), Pune Local Centre, Vol. 39, Nov. 2015, pp 281-289, ISBN No.: 978-81-924990-3-1	National
3	Experimental Verification of Prototype Model of UPFC to Enhance the Power Transmission Capability of Transmission Line",	Dr.(Mrs.) Anjali Dharme, Mrs. Vrushali Khatawkar and Pradip Gaikwad	Technical Journal of The Institution of Engineers, India, Pune Local Centre, Volume 39, Nov.2015, ISBN-978-81-924990-3	National
4	IRP for Demand-supply Balance COEP Hostel –A case Study	Mrs. Anjali Dharme, Mrs. Shalaka Chaphekar and D. B. Talange,	Technical Journal of The Institution of Engineers, India, Pune Local Centre, Volume 39, Nov.2015,ISBN-978-81-924990-3-1	National
5	Wavelet based Power Quality disturbances in distribution system-A Case Study,"	Mrs. Madhura Tuljapurkar and Mrs. Anjali Dharme	Technical Journal of The Institution of Engineers, India, Pune Local Centre, Volume 39, Nov.2015, ISBN-978-81-924990-3-1	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Secure Phase Comparison Schemes for Transmission-Line Protection Using Synchrophasors	Trupti Hinge, Sanjay Dambhare	Proceeding of IEEE Transaction on Power Delivery, 2015	International
2	An Approach to Evaluation of Demand Side management (DSM) Programmes	Mrs. Anjali Dharme Dr. A. A. Ghatol	IJERIA August2015, ISSN 0974 – 1518, Vol-8, No. 111 (August 2015), PP 319-332	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
3	Comparative Study of TCSC and UPFC Implemented for Congestion Management in Deregulated Power System	Prof. Mrs. V.V. Khatavkar, Miss Madhuree M Hage, Prof. Mrs Anjali A. Dharme	International Journal for Science Research & Development August -2015 ISSN 2321-0613	International
4	MPPT with single DC-DC Converter and PI controller with Inverter for Grid Connected Microgrid	Mrs. Shalaka Chaphekar Mrs. Anjali Dharme	International Journal of Multidisciplinary Research and Advances in Engineering, Vol. 7, No. IV, October 2015, Issn-0975-7074	International
5	Comparative Study of particle swarm optimization and real coded genetic algorithm for zonal congestion management tested on IEEE 30 bus	Mrs. Vrushali Khatavkar Mousami Patil, Mrs. Anjali Dharme	International Journal of Multidisciplinary Research and Advances in Engineering, Vol. 7, No. IV, October 2015, Issn-0975-7074	International
6	'Power Flow Analysis of Radial Distribution Systems'	S. P. Ghanegaonkar & V. N. Pande	International J. of Multidiscipl. Research & Advcs. In Engg.(IJMRAE), ISSN 0975-7074, Vol. 7, No. IV (October 2015), pp. 81-93	International
7	'Multi Load Level Optimal Placement and Tap Setting of Voltage Regulator Using PSO in Radial Distribution System with Distributed Generation',	S. P. Ghanegaonkar & V. N. Pande	International J. of Engg. Research & Indu. Appls. (IJERIA). ISSN 0974-1518, Vol.8, No. IV (November 2015), pp. 1-14	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	IRP for Demand-Supply Balance COEP Hostel- A Case Study	Mrs. Anjali Dharme Mrs. Shalaka Chaphekar, D. B. Talange	Institution of Engineers, Pune, 10Oct. 2015	National



Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
2	Experimental Verification of Prototype Model of UPFC to Enhance the Power Transmission Capability of Transmission Line	Mrs. Anjali Dharme Mrs. Vrushali Khatavkar, Pradip Gaikwad	Institution of Engineers, Pune, 10Oct. 2015	National
3	Wavelet based Power Quality disturbances in distribution system-A Case Study	Mrs. Madhura Tuljapurkar Mrs. Anjali Dharme	Institution of Engineers, Pune, 10Oct. 2015	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Accurate Phase Comparison Scheme with Synchronised Measurements	Trupti Hinge, Sanjay Dambhare	PES-GM 15 at Denver, Colorado at USA on 26 July 15 to 30 July 15.	International
2	Robust stabilization of Inverted Flexible Beam on cart using Sliding Mode Control	S.K. Gorade, S.R.Kurode	," Int. conf. On Power and Advanced Control Engineering (ICPACE), held at banglore during Aug 12-14, 2015 . PP 139-146, Print ISBN:978-1-4799-8370-4, INSPEC Accession Number: 15475875, DOI: 10.1109/ICPACE.2015.7274932	International
3	"Modeling and output feedback control of Flexible Inverted Pendulum on Cart",	S.K. Gorade, S.R.Kurode	Int. conf. On Power and Advanced Control Engineering (ICPACE) held at Banglore India, PP 436 – 440 Print ISBN: 978-1-4799-8370-4,INSPEC Accession Number:15475872, DOI: 10.1109/ICPACE.2015.7274987	International
4	Generalized Super-Twisting Algorithm for Control of Electro-Hydraulic Servo System,	A. Shiralkar, Shailakja Kurode,"	4 th Int. Conference on Advances on control and optimization of dynamical systems (ACODS 16) durimg Feb. 2-4 2016, at NIT Trichy, India	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
5	Development of an Internal Model Sliding Mode Controller for Cascade Control System.	A.R. Laware, D.B. Talange & Vitthal Bandal	IEEE International conference on energy systems and application (ICESA-2015) (D.Y. Patil Engg. & Technology, Pimpri,Pune) ISBN: 978-1-4673-6817-9/15/\$ 31.00, 2105 pp 184-190, 30 th Oct.- 1 st Nov. 2015	International
6	Design of Predictive Sliding Mode Controller for Cascade Control System	A.R. Laware, D.B. Talange & Vitthal Bandal	2016 IEEE First International Conference on Control, Measurement and Instrumentation (CMI) (Joint IMS-CSS, Jadavpur University, Kolkata) IEEE Catalog No. CFP16C90 ISBN:978-1-4799-1768-6 pp 284-289 , January 8-10, 2016, Kolkata, India	International
7	Coordinated Optimal Placement of Distributed Generation and Voltage Regulator by Multi-objective Efficient PSO Algorithm'	S. P. Ghanegaonkar & V. N. Pande	'IEEE workshop on Computational Intelligence: Theory, Applications and Future Directions' 14-17 December 2015, IIT Kanpur	
8	Energy Monitoring by Energy Audit and Supply side Management"	Mrs. S. N. Chaphekar, Raturaj A. Mohite and Anjali A. Dharme	IEEE International Conference on Energy Systems and Application,30 October to 1 November 2015, Pimpri,Pune,India.(Paper accepted)	International
9	" Modelling And Simulation Of Microgrid With Distributed Generation Using PSCAD,	Mrs. S. N. Chaphekar, Raturaj A. Mohite and Anjali A. Dharme	International Conference on Trends in Automation,Communication and Computing Technologies,Banglore,Dec.2015. (Abstract accepted)	International
10	" Load Flow Analysis for Power Management of Microgrid,"	Mrs. S. N. Chaphekar, Ghanshyam S. Ambekar and Anjali A. Dharme	12 th IEEE India International Conference INDICON, New Delhi,India,December 2015. (Communicated)	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
11	Development of FACTs Laboratory	Meera, Murali, V. N. Pande & N. Gopalakrishnan	10 th Int. Symposium on Mechatronics and its applications, (ISMA-2015) held at Sharja UAE during Dec. 8-10, 2015 ISBN No. 978-1-4673-7796-6	International
12	Electric Motor Power Quality Assessment using LabView based Smart Power Quality Analyzer	Yogesh Mangalekar and R. T. Ugale	IEEE RAICS 2015, 3 rd Int. Conf., CD Proc., held at Trivandrum, India, during Dec. 10-12, 2015	International
13	Solid state Circuit Breaker based fault and load management in 22 kV power distribution system	Kedar Mejari and R. T. Ugale	9 th International conference on Switchgear and Controlgear, SWICON 2015, held at Mumbai, during 26,27 Nov. 2015.	International
14	, "Control and Power Flow of a Microgrid Generator", 2015 IEEE.	Mrs. S. N. Chaphekar and Anjali A. Dharme	International conference on energy systems & applications (ICESA 2015) Dr. D. Y. Patil Institute of Engg. & Tech., Pune India 30 Oct – 01 Nov., 2015. 978-1-4673-6817-9/15/31.00	International
15	Leadership in International Information Technology Projects- cross –cultural considerations for Japan and India	Dr. Mrs. Pooja Sardeshmukh, Dr. Mrs. Anjali Dharme, Hallberg Zhiko Stoyanov, Mattias	”, Third International conference on Transformations in Engineering Education 2016 COEP 08 – 12 Jan. 2016	International

Research Publications July 2016 to June 2017

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Design and Development of Laboratory Model of Unified Power Flow Controller	Meera Murali, V.N.Pande, N.Gopalakrishnan	Annual Technical Volume of Electrical Engineering Division Board, Vol. 2, November 2016, pp 63- 71, ISBN No. 978-81-932567-2-5	National



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No. /ISSN No./ Page No.	National/ International
1	Finite time state and disturbance estimation for robust performance of motion control systems using sliding modes	Tamhane, Bhagyashri, and Shailaja Kurode	International Journal of Control (2017): 1-12. DOI: 10.1080/00207179.2017.1311026	International
2	Rotor onfigurations for improved tarting and synchronous performance of line start permanent magnet ynchronous motor	R. T. Ugale and B. N. Chaudhari	IEEE Transactions on Industrial Electronics, vol.64, no.1, pp.138-148, January 2017. DOI: 10.1109/TIE.2016.2606587	International
3	Optimal Hourly Scheduling of Distributed Generation and Capacitor for Minimization of Energy Loss and Reduction in Capacitor Switching operations	S.P. Ghanegaonkar and V.N. Pande	Int. Jounal IET (Gen., Trans. Distribution	International
4	Peak current mode-controlled pulse width-modulated active clamp forward converter with center tap transformer	V.S. Rajguru and B.N. Chaudhari	Int. J. Power Electronics, Vol. 8, No. 1, 2016	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	A Novel Approach for Calibration of Instrument Transformers using Synchrophasors	Trupti P. Hinge, Sanjay S. Dambhare	National Power Systems Conference NPSC-2016 19 - 21 December 2016 IIT Bhubaneswar	National
2	Secure third zone operation of distance relay using impedance prediction approach	Prashant Gawande, Sanjay Dambhare	National Power Systems Conference (NPSC),2016, Bhubaneswar, India, pg. 1-6	National



International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	PMU based fault location for double circuit transmission lines in modal domain	Snehal Unde, Sanjay Dambhare	IEEE PESGM , Boston, MA, USA, July 2016	International
2	Differential protection of mutually coupled lines in modal domain using synchronized measurements	Snehal Unde, Sanjay Dambhar	NPSC 2016, IIT Bhubaneshwar	International
3	Adaptive Distance Relaying Scheme With Fault Resistance Compensation	Indrajeet Bhavar, Snehal Unde, Dr. Sanjay Dambhare	TENCON, Singapore, Nov 2016	International
4	Analysis of Fault Resistance Compensation Methods for Mutually Coupled Parallel Transmission Lines	Pallavi Bharti, Apurva Dehankar, Shalvi Raut , Snehal Unde, Sanjay Dambhare	7th PIICON, Bikaner, Rajasthan, Nov 2016	International
5	Distance Protection of lines connected to Doubly Fed Induction Generator based wind farms	Vaishnavi Phadke, Swarada Pathradkar, Akshata Rajput, Snehal Unde, Sanjay Dambhare	7th PIICON, Bikaner, Rajasthan, Nov 2016.	International
6	Web based automated electrical machine test bench with data acquisition and remote control	R. T. Ugale and Kunal B. Chavhan	IEEE International conference on Power Electronics, Drives and Energy Systems (PEDES 2016), pp- 1-5, held at Trivandrum, Kerala, India during 13-17 Dec. 2016. DOI: 10.1109/PEDES.2016.7914511	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
7	Analytical and FEM based analysis of Homopolar poly-phase transverse flux machine	Priyanka Bastawade, B. N. Chaudhari, R. T. Ugale and A. Pramanik	IEEE International conference on Power Electronics, Drives and Energy Systems (PEDES 2016), pp. 1-6, held at Trivandrum, Kerala, India during 13-17 Dec. 2016. DOI: 10.1109/PEDES.2016.7914411	International
8	Circuit model for conducted emissions analysis of integrated magnetic with thermal impact	R. T. Ugale, Tushar Sambharam, B. N. Chaudhari and S. L. Patil	42nd Annual International conference of Industrial Electronics Society - IECON 2016, pp. 1301-1306, held at Florence, Italy during 23-27 Oct. 2016. DOI: 10.1109/IECON.2016.7793410.	International
9	Analytical and FEM design of autotransformer with phase shifting capability	R. T. Ugale, K. D. Mejari and B. N. Chaudhari,	42nd International Conference on Electrical Machines, ICEM 2016, held at Lausanne, Switzerland during Sept. 4-7, 2016, pp. 1345-1351, Sept. 2016, DOI: 10.1109/ICELMACH.2016.7732699.	International
10	Automated test bench for an induction motor using Lab View", CD Proc., Paper ID- 1570270863	Kunal B. Chavhan and R. T. Ugale	1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES 2016) held at Delhi Technological University, New Delhi, India during 3-7 July. 2016 pp.1-6. DOI:10.1109/ICPEICES.2016.7853547	International
11	Optimal Power Flow For Power management in Microgrid	Mrs. S. N. Chaphekar, Prashant Karad, Anjali A. Dharme	ICPEICES, New Delhi, 4-6th July 2016	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
12	Estimation of Transmission reliability Margin Using the Comaparative Anlysis of Satistical Methods and Intelligent Techniques	Swati Dadi, V. V. Khatavkar, Heramb Maydeo, Dr. A. A. Dharme	ICACDOT, IEEE International Conference held at I2IT,Pune,on 9-10 Sept. 2016	International
13	Impact of Probabilistic nature and Location of Wind Generation onTransmission Power Flows	V. V. Khatavkar, Poonam Dhabai, Heramb Mayadeo , Dr. A. A. Dharme	ICACDOT, IEEE International Conference held atI2IT,Pune,on 9-10 Sept. 2016	International
14	Availability Based Distributed Resource Management of Microgrid	Mrs.S.N.Chaphekar, Mr.Himanshu S. Panandikar and Anjali A. Dharme	7th Power India International Conference, Government College of Engineering, Bikaner, Rajasthan, India, 25th -27th November 2016	International
15	Optimal Penetration Ratio for a Radial feeder with a Microgrid	Prashant Karad, Mrs. S. N. Chaphekar, Dr. Anjali A. Dharme	IEEE International Conference on Computing, Analytics and Security Trends (CAST2016), at COEP, Pune, 19-21 Dec.2016	International
16	Blocking of Distance Relays Zone3 under Load Encroachment Conditions Using Decision Tree Technique	Nikhil Chaudhari, Trupti Hinge, Sanjay Dambhare	7th POWER INDIA International Conference, IEEE, November 25-27, 2016 Govt. Engineering College Bikaner, Rajasthan, India	International
17	Dynamic Security Analysis For Voltage Security Using Decision Trees	Nikhil Chaudhari, Trupti Hinge, Sanjay Dambhare	TENCON IEEE, 22-25 November, 2016 Singapore	International
18	Protection and fault identification in presence of power swing blocking/unblocking function	Prashant Gawande, Sanjay Dambhare	IEEE Power and Energy Society General Meeting (PESGM), 2013, Vancouver, BC, Canada, pg. 1-6	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
19	A novel algorithm to detect symmetrical faults during power swing for a double circuit multi-terminal transmission line	Prashant Gawande, Sanjay Dambhare	IEEE/PES Transmission and Distribution Conference and Exposition (T&D), 2016, Dallas, TX, USA, pg. 1-7	International
20	A novel unblocking function for distance relay to detect symmetrical faults during power swing	Prashant Gawande, Sanjay Dambhare	IEEE Power and Energy Society General Meeting (PESGM), 2016, Boston, MA, USA, pg. 1-6	International
21	An adaptive distance relay protection scheme for enhanced protection security	Prashant Gawande, Pallavi Bedekar, Milind Bagewadi, Sanjay Dambhare	IEEE 6th International Conference on Power Systems (ICPS), 2016, New Delhi, India, pg. 1-6	International
22	An algorithm to secure the zone 3 operation of distance relay	Prashant Gawande, Pallavi Bedekar, Vidyulata Joshi, Sanjay Dambhare	IEEE Region 10 Conference (TENCON), 2016, Marina Bay Sands, Singapore, pg. 975-978	International
23	Enhancing security of distance relays during power swing unblocking function for double circuit transmission lines: A differential power approach	PN Gawande, SS Dambhare	13th International Conference on Development in Power System Protection 2016 (DPSP), 2016, Edinburgh, Scotland, UK, pg. 1-6	International
24	Hybrid Solar Photovoltaic/Thermal (PVT) panel-Review	Rohan S. Kulkarni, D. B Talange	International Conference on Advanced Computing and Communication Systems (ICACCS -2017), pg. 2008-2011, Coimbatore, INDIA	International
25	Design and development of energy efficient advanced PEM fuel cell for Electric Vehicle Applications	Sudarshan L. Chavan, D. B. Talange	International Conference on Advanced Computing and Communication Systems (ICACCS -2017), pg. 2093-2096, Coimbatore, INDIA	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
26	Electrical equivalent circuit modeling and parameter estimation for PEM fuel cell	Sudarshan L. Chavan, D. B. Talange	International Conference. on Innovations in Power and Advanced Computing Technologies (i-PACT 2017)	International
27	Modelling and Control of Active Clamp Forward Converter with Current Doubler Rectifier	V.S.Rajguru, Rohit Rokade	First IEEE International conference on Power Electronics, Intelligent Control and Energy Systems –ICPEICES 2016 4-6 July 2016	International
28	Design and Implementation of a prototype DC photovoltaic power system simulator with maximum power point tracking system	V.S.Rajguru, Soham Karyakarte, Supriya Kawthekar, Vishnu Menon	First IEEE International conference on Power Electronics, Intelligent Control and Energy Systems –ICPEICES 2016 4-6 July 2016	International
29	Modelling, Design and comparison of PI and PID Controllers for STACOM	Meera Murali, Archana Gokhale, Amit Pande and Ekta Sharma	IEEE Conference ICPEICES, Delhi, 4-6 th July 2016	International
30	Non linear mathematical modelling and simulation of switched reluctance motor	Akshay Nirgude, Meera Murali, Swanand Kulkarni, Shubham R Patel	IEEE Conference , PEDES 2016	International
31	Comparitive Analysis of 6,12,48 pulses T-STATCOM	Swapnil Mahajan, Meera Murali, Tushar Mali	IEEE Conference PIICON, 2016, 25-27th November 2016.	International
32	Design and Implementation of an Integrated non-isolated inverted dc-dc buck boost converter for battery charging	Rutuja Bajaja, Jeet Panchal, Meera Murali	IEEE Conference ICECCT, 2017 22-24th Feb, 2017	International

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
	NIL			



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Design and development of novel decoupled 2DOF electro hydraulic system for positioning heavy load	Ashpana Shiralkar, S Kurode, Milind Chudgar	Int. Journal of Design Engg., Inderscience, Accepted for publication	International
2	Robust output feedback control of electro-hydraulic system	Ashpana Shiralkar, Shailaja Kurode, Ruchira Gore and Bhagyashri Tamhane	Int. J. Dynam. Control (2018). https://doi.org/10.1007/s40435-018-0447-6 Print ISSN2195-268X	International
3	Finite time state and disturbance estimation for robust performance of motion control systems using sliding modes'	Bhagyashri Tamhane and Shailaja Kurode	International Journal of Control, Vol. 91, No. 5, pp. 1171-1182, 2017 DOI: 10.1080/00207179.2017.1311026.	International
4	Design of optimal complex order controllers for systems with fractional order dynamics	Arti V. Tare, Joel A. Jacob, Vishwesh A. Vyawahare and Vijay N. Pande	International Journal of Dynamics and control ISSN 2195-268X Int. J. Dynam. Control DOI 10.1007/s40435-018-0448-5 11 June 2018 (accepted)	International
5	System identification black box approach for modeling performance of PEM fuel cell	Sudarshan L Chavan, Dhananjay B Talange	Journal of Energy Storage Vol. 18, pp. 327-332, 2018	International
6	Statistical design of experiment approach for modeling and optimization of PEM fuel cell	Sudarshan L Chavan, Dhananjay B Talange	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, doi: 10.1080/15567036.2018.1463314	International
7	Modeling and performance evaluation of PEM fuel cell by controlling its input parameters	Sudarshan L Chavan, Dhananjay B Talange	Energy Journal Vo. 138 pp. 437-445, 2017	International
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International



8	Intermediate Voltage Variation based Interconnecting Transformer Design for Voltage and Phase Angle Control with Coupled Field FEA studies	R T Ugale, K D Mehari and B N Chaudhari	IEEE Transactions on Industrial Electronics 65 (8), 6077-6088	International
9	Synchronised/unsynchronised measurements based novel fault location algorithm for transmission line	Trupti Hinge, Sanjay Dambhare	IET Generation, Transmission & Distribution, DOI: 10.1049/iet-gtd.2017.0638 , Print ISSN 1751-8687, Online ISSN 1751-8695 Volume 12, Issue 7, 10 April 2018, p. 1493 – 1500	International
10	A new Predictive Analytic aided Response-Based System Integrity Protection Scheme	Prashant Gawande and Sanjay Dambhare	IET Generation, Transmission & Distribution, 8pp. DOI: 10.1049/iet-gtd.2018.5585 Print ISSN 1751-8687, Online ISSN 1751-8695	International

National Conferences

Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	A New Protection Scheme for Three-Terminal Mutually Coupled Transmission Line	Pratik Dhopte, Snehal Unde, Sanjay Dambhare	National Power system conference , NIT trichy Dec 2018	National

International Conferences

Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Stabilization of Rotary Double Inverted Pendulum Using Higher Order Sliding Modes	Madhura Patil and Shailaja Kurode	In 2017 11th Asian Control Conference (ASCC) (pp. 1818-1823). IEEE	International
2	Stabilization of RDIP Using Sliding Modes	Madhura Patil and Shailaja Kurode	In 2018 Indian Control Conference (ICC)(pp. 119-124). IEEE.	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
3	Novel Higher Order Sliding Mode Observer for Output Noise Attenuation	Bhagyashri Tamhane, Shailaja Kurode and B. Bandyopadhyay	In 2018 15th International Workshop on Variable Structure Systems (VSS) (pp. 297-302). IEEE.	International
4	Design and Implementation of Fractional Order Sliding Mode Controller for DC-DC Buck Converter	Nitin Chafekar, Dr. U. M. Mate, Dr. S. R. Kurode and Dr. V. A. Vyawahare	Indian Control Conference (IEEE International Conference)	International
5	Design and Simulations of Discrete Sliding Mode Controller for DC-DC Buck Converter	Nitin Chafekar, Dr. U. M. Mate, Dr. S. R. Kurode	IEEE IES ICIT 2019	International
6	Fractional-order Modeling and Control of Power System Stabilizer	Prof. Mrs. Arti V.Tare, Lakesh D. Mahajan, Dr. Vijay N. Pande and Vishwesh A. Vyawahare	IEEE IES ICIT 2019	International
7	Torque Ripple Reduction in a Homopolar Poly-phase Transverse FLux Machine	Priyanka Golatgaonkar (Bastawde), Dr. B.N. Chaudhari, Dr. R.T. Ugale	International Conference on Power Electronics, Machines and Drives, IET	International
8	Design of Poly-Phase Outer Rotor Homopolar Transverse Flux machine using Ferrite magnets and Laminations	Bhavesh A. Rathod, Gautam V. Havaldar, Prinyanka Golatgaonkar (Bastawde), B. N. Chaudhari, R.T.Ugale	International Conference on Electrical Machines, IEEE	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
9	A Novel Poly-Phase Outer Rotor Homo-Polar Transverse Flux Machine using Ferrite Magnets	Gautam V. Havaldar, Bhavesh A. Rathod, Priyanka Golatgaonkar (Bastawade), B. N. Chaudhari	International Conference on Power Electronics, Drives and Energy System, IEEE	International
10	Performance Evaluation and a New Thermal Model for a Photovoltaic-Thermal water collector system	Rohan Kulkarni, Rajani Shinde, Dr. D. B. Talange	International Conference on Smart Grid and Clean Energy Technologies (ICSGCE 2018), University Tunku Abdul Rahman, Sungai Long Campus, Kajang, Malaysia	International
11	Output Estimation of Solar Photovoltaic (PV) System	Rohan Kulkarni, Dr. D. B. Talange, Dr. N. V. Mate	International Symposium on Advanced Electrical and Communication Technologies, National school of Applied sciences, ibn tofail university of Kenitra. Rabat, Morocco.	International
12	Web Based Remote and Locally Operated All in One Electrical Machine Laboratory with Data Acquisition, Fault Diagnosis and Protection	RT Ugale, SN Gore, BN Chaudhari	2018 XIII International Conference on Electrical Machines (ICEM), 1979-1985	International
13	Design of Transformers with flexible Vector groups combinations and adjustable voltage level	RT Ugale, KD Mejari, BN Chaudhari	2018 XIII International Conference on Electrical Machines (ICEM), 683-689	International
14	sag compensation in smart grid with distributed generation	Mr.Mangate S.D, Ms Kanse A.D,Dr.Mrs.Anjali Dharme	International Conference on Energy, Communication pp. 585-590 1-2 Aug. 2017, Chennai, India	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
15	Demand side Management in Microgrid	Krishna Gilda, S.N. Chaphekar, Dr. Mrs Anjali Dharme	International Conference on Emerging Trends and Innovations in Engineering and Technological Research (ICTIETR 2018) 11-13 July 2018, Ernakulum, Kerala, India	International
16	Optimal Location and Sizing of Microgrid	Mrs. S.N. Chaphekar, Anand Kumar Nale, Dr. Mrs. Anjali Dharme	International Conference on Intelligent Computing Techniques for Smart Energy Systems, Manipal University, Jaipur, 22-23 December 2018	International
17	A Buck-Boost topology based hybrid converter for standalone nanogrid applications	Milind D Bagewadi, Sanjay S Dambhare	2017 IEEE Second International Conference on DC Microgrids (ICDCM) at Nuremberg, Germany pp. 502-506	International
18	A novel hybrid converter derived from buck-boost circuit for standalone applications	Milind D Bagewadi, Sanjay S Dambhare	2017 19th European Conference on Power Electronics and Applications (EPE'17 ECCE Europe), Warsaw, Poland, pp. 1-8	International
19	Enhancing distance relay security during power system stresses: An apparent power approach	Prashant Gawande, Trupti Hinge, Sanjay Dambhare	2017 IEEE Power & Energy Society General Meeting, Chicago, IL, USA pp. 1-5	International



Sr. No	Year	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	01	16	01	19	37
2	2015-16	-	05	02	40	47
3	2016-17	-	06	03	20	29
4	2017-18	-	18	-	27	45
5	2018-19	-	06	-	14	20
	Total	01	51	06	120	178

Research Publications July 2014 to June 2015

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	A Novel SU8 Polymer Anchored Low Temperature HWCVD Nitride Polysilicon Piezoresistive Cantilever	Rajul S. Patkar, Prakash R. Apte, and Valipe Ramgopal Rao	JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, Dec-14, VOL. 23, NO. 6	National

National Conference				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Design of Substantial Antenna System For Very Low Power Transmission System	Kumar Trimukhe, Radhika D.Joshi, Ashok Saraf	Proceedings of IETE and IE approved National Conference on Signal and Data Processing , July 15, 22-26	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol. No./ ISSN No./ Page no.	National/ International
1	Design of the Electric Antenna for the Detection of the Coronal Mass Ejections from the Sun	D. Khandekar, A. wanjari, R. A. Patil and R.D.Joshi	7/1/2014,IJ,Int. Journal of Electronics & Communication Engg (IJECE) ,Vol. 3, ,Issue 4,69 to 76,ISSN(P): 2278-9901; ISSN(E): 2278-991X,	International

Sr. No	Title of the Paper	Authors	Publication Details/ Vol. No./ ISSN No./ Page no.	National/ International
--------	--------------------	---------	---	-------------------------



2	,” Channel Estimation Techniques for MIMO-OFDM and SISO-OFDM Systems	Divya Sharma, Shripad P. Mohani, Parag Joshi	7/1/2014,IJ,” International Journal of Electronics and Communication Engineering (IJECE),Vol-3, ,Issue-4,,ISSN (Print): 2278-9901ISSN (Online): 2278-991X,	International
3	Static Timing Analysis (STA) of SAS Expander on Virtex-7 FPGA by using Vivado	G.B. Munde, P.P.Bartakke	7/1/2014,IJ,International Journal of Innovative Science, Engineering & Technology (IJSET , Vol. 1 ,Issue 5,334 to 338,ISSN 2348-7968,	International
4	Design of the Electric Antenna for the Detection of the Coronal Mass Ejection from the Sun	Devraj B. Khandekar, Abhishek Vanjari, Rajendrakumar A. Patil, Radhika Joshi & Deepa Yerolkar,	7/1/2014,IJ,International Journal of Electronics and Communication Engineering (IJECE),,Vol. 3,, , Issue 4,. 69 to 76,ISSN(P): 2278-9901; ISSN(E): 2278-991X, International Academy of Science Engineering and Technology (IASET),	International
5	A Linear Filter Bank Approach to Distinguish Between Normal Sinus Rhythm and Atrial Fibrillation	Vaishali V. Ingale, Sanjay Nalbalwar & Akash G. Khadse	7/1/2014,IJ,International Journal of Electronics and Communication Engineering (IJECE) ,Vol. 3, ,Issue 4,187 to 192 ,ISSN(P): 2278-9901; ISSN(E): 2278-991X , ,	International
6	Restoration for Weekly Blurred and Strongly Noisy Images on the Basis of Non Harmonic Analysis	Roshan Kuntawad & Dr. Metkar S. P	7/1/2014,IJ,International Academy of Sciences, Engineering and Technology,,vol. 3, ,Issue 4,61 to 68,ISSN (P):2278-9901; ISSN (E):2278-991X,	International
7	Feature Region Selection Based On Simulated Attacking For Efficient Digital Image Watermarking	Vivek R.Nagre,, Pankaj P.Tasgaonkar	7/1/2014,IJ,International Journal Of Electronics And Communication Engineering,Vol. 3, ,Issue 4,55 to 60,ISSN(P): 2278-9901; ISSN(E): 2278-991X	International
8	Performance Evaluation of Packet Thresholding for Image Denoising	Kirti V. Thakur, A.M.Sapkal and A.B. Patki	8/1/2014,IJ,International Journal of Industrial electronics and Electrical Engineering (IJIEEE),Vol. 2, Issue 8,,74 to 79,,	International

Sr. No	Title of the Paper	Authors	Publication Details/ Vol. No./ ISSN No./ Page no.	National/ International
--------	--------------------	---------	---	-------------------------



9	Performance Evaluation of Packet Thresholding for Image Denoising	Kirti V. Thakur, A.M.Sapkal and A.B. Patki	8/1/2014,IJ,International Journal of Industrial electronics and Electrical Engineering (IJIEEE),Vol. 2,Issue 8,74-79,,	International
10	Dynamic Texture Based Traffic Vehicle Monitoring System	Amit Kurane, Priti Rege	12/1/2014,IJ,IJRET: International Journal of Research in Engineering and Technology,Volume: 03 ,Issue: 12,71 to 79,eISSN: 2319 - 1163 pISSN: 2321 – 7308,	International
11	Person Authentication using Face and palm vein:A Survey of recognition and fusion techniques.	Preethi M,Dhanashree vaidya,Dr.S.Kar,Dr.A.M.Sapkal, Dr.Madhuri.A. Joshi	5/1/2015,IJ,International Journal of technology enhancement and emerging engineering research,Vol 3,Issue 3 ,,ISSN:2347-4289,	International
12	Region Based Image Indexing and Retrieval System	P.P.Rege, Amit Gaikwad, Chetan Pardeshi	5/1/2015,IJ,International Journal Engineering Research and Technology (IJERT),Vol. 4 ,issue 5,,ISSN: 2278-0181,	International
13	Technique for mitigating the effect of carrier frequency offset OFDM	parimal S. Sane,shripad mohani	6/1/2015,IJ,IOSR Journal of Electronics and Communication Engineering (IOSR-JECE),Vol 10,Issue 3,,e-ISSN:2278-2834,	International
14	Three Phase Static Voltage Regulator Control	pushpakant D.Shinde,S.G .Mali	6/1/2015,IJ,International Journal of Advance Research in Electronics and communication engineering(IJARECE),vol 4,issue 6,,ISSN:2278-909X,	International
15	Dyanamic Power Allocation for Broadband Multi-Beam Satellites	S. P. Mohani, Anshu Barethiya	6/1/2015,IJ,International Journal of Engineering Research and Technology (IJERT),Vol. 4 ,Issue 6,,ISSN: 2278-0181,	International
16	Dynamic Power Allocation for Broadband Multi-Beam Satellites	Dr. Shripad P. Mohani, Anshu Barethiya	6/1/2015,IJ,International Journal of Engineering Research & Technology (IJERT),Vol. 4,Issue 6,pp. 133-136,ISSN: 2278-0181,--	International

International Conferences



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Pulse Train Generation for a Pulsed Gyrotron Using LabVIEW	Dhiraj Gurale S.P. Mohani Narugopal Nayek , Subrata Das	7/1/2014, IC, International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT 2014),,,,,, Tamilnadu	International
2	Low Frequency Radio Experiment	P.K.Manoharan, B.C.Joshi, S..P.Mahajan, R.A.Patil, R. D.Joshi, D.Khandekar	8/1/2014, IC, The 40th COSPAR Scientific Assembly, Moscow ,,,,,, Moscow, Russia	International
3	CONSIDERATIONS FOR WIRELESS COMMUNICATION AT 868MHz	Shubhangi Bagal, Dr. R. A. Patil	12/1/2014, IC, 2014 Annual IEEE India Conference (INDICON),,,,,, ISBN- Proceedings : 978-1-4799-5364-6/14/\$31.00 ©2014 IEEE, Pune, India	International
4	More, Effects of different threshold values in content aware motion estimation algorithm on H.264	Dhiraj More, Ajinkya Deshmukh and Mrs. Vidya N.	1/1/2015, IC, IEEE International Conference on Pervasive Computing (ICPC-2015),,,,,, Sinhgad College of Engineering Pune.	International
5	Random Initial Search Points Prediction Prediction for Content Awrae Motion Estimation In H.264	Vidya N. More, ajinkya Deshmukh, Dhiraj More and M.S.Sutaone	3/1/2015, IC, International Conference on Computer Vision Theory and Applications,,,,, Berlin, Germany	International
6	Content Based Adaptive Search Patterns in H.264 Video Standard	V N More, Dhiraj More, Ajinkya Deshmukh, Dr. M.S.Sutaone	4/1/2015, IC, International Conference on Communication and Signal Processing, ICCSP' 15,,,,, Tamilnadu	International
7	Enhancement of Low Contrast Biometric Images using Genetic Algorithm	Preethi Medukonduru, Dr.Madhuri.A.Joshi	5/1/2015, IC, presentation at IEEE sponsored International Conference on Industrial Instrumentation and Control (ICIC 2015) ,,,,,, Pune	International
8	Dot MatrixText Recognition for a Carton Classification_System	Siddharth Patki, Abhishek Kulkarni and Madhuri Joshi	5/1/2015, IC, IEEE sponsored International Conference on Industrial Instrumentation and control (ICIC2015),,,,,, Pune	International



Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No. /ISSN No./ Page No.	National/ International
9	Counting of wagons in night video baesd on background subtraction	Pritam Sirpotdar, Anuja Nerkar, Ajitkumar Deshmukh, M.A. Joshi	5/1/2015, IC, International Conference on innovations In Electrical and Electronics Engineering (ICIEEE2015), , , ISBN:978-93-85225-32-1, Pune	International
10	Moment Invariants Based Feature Techniques for Segmentation of retinal Images	Y. M. Vaidya, B.S.V. Swati, Narmada Kantipudi	5/1/2015, IC, International Conference on Industrial Instrumentation and control (ICIC2015), , , , Pune	International
11	A Combined Approach for Noise Reduction in Medical Images using Dual Tree Discrete Wavlet Transform and Rotated Dual Tree Discrete Wavelet Transform	A Sapkal, Kirti Thakur	5/1/2015, IC, International Conference on Industrial Instrumentation and control (ICIC2015), , , , ,	International
12	Poisson Noise Reduction from X-ray Medical Images using Modified Harris Operator and Wavelet Domain Thresholding	A Sapkal, Kirti Thakur	5/1/2015, IC, International Conference on Industrial Instrumentation and control (ICIC2015), , , , ,	International
13	Traffic Video Surveillance using contourlet transform.	Archana Boharapi, Shipla Paygude, Vibha Vyas, M.S. Sutaone	6/1/2015, IC, ICETET15	International
14	Recognition of human IRIS by combining feature of HAAR using SVD and LBP Method	atul gadhawe, P.P. Tasgaonkar	6/1/2015, IC, 28 th IRF International Conference 2015	International
15	Analysis of 128 rows and single column SRAM in 90nm CMOS Technology	Neha sant, apurva gaikwad, p.p. Tasgaonkar	6/1/2015, IC, international conference on electrical, Electronics and Computer science engg.	International
16	System Identification using Chaos theory on ARM Cortex M3 Processor board	G.S. Thenge, S. Mulla, A.B. Patki	6/1/2015, IC, 2015 IEEE International Advance Computing Conference (IACC), 768-771, , Bangalore	International



Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No . /ISSN No./ Page No.	National/ International
17	Application of Hurst parameter and Fuzzy Logic for Denial of Service Attack Detection	S. Pharande, P. Pawar, P.W. Wani, A.B. Patki	6/1/2015,IC,2015 IEEE International Advance Computing Conference (IACC),,834-838,,Bangalore	International
18	Implementation of Hurst Parameter on DSP Processor TMS320C6713 platform using wavelet analysis	P.G. Pawar, S. Pharande, P.W. Wani, A.B. Patki	6/1/2015,IC,2015 IEEE International Advance Computing Conference (IACC),,888-892,,Bangalore	International
19	Robust and Dynamic Image Zero Watermarking using Hessian Laplace detector and Logistic map	M.S. Dhoka, A. Patki	6/1/2015,IC,2015 IEEE International Advance Computing Conference (IACC),,930-935,,Bangalore	International

Research Publication July 2015 to June 2016

International Journals				
Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No . /ISSN No./ Page No.	National/ International
1	Automatic quantitative analysis of microstructure of ductile cast iron using digital image processing	Abhijit Malage,Priti.P. Rege,Manoj J.Rathod	Association of metallurgical engineers of serbia(AMES),vol.21(3),pp-155-165	International
2.	Frequency Synthesis for Low Power TV Transmitter	D. V. Niture, A. G. Shinde	Int. Journal for Scientific Research & Development (IJSRD), Vol, 2, Issue 4, 2015	International
3.	Performance Improvement of Microstrip Antenna using Fractal EBG Structure and vias	Rajshri Mahajan, Vibha Vyas	IOSR Journal of Electrical and Electronics Engineering(IOSR-JEEE), Nov-Dec 2015	International
4.	Fusion of local and global features for classification of abnormality in mammograms	Anuradha Phadake, Priti P. Rege	Sadhana, Indian Academy of Science, 25 April 2016	International
5.	Interactive Response System(IRS) with Text & Call Support in Contact Center Application	Dr. R. A. Patil	International Journal of Advanced Research in Computer Engineering and Technology	International



National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
1	Design of Substantial Antenna System For Very Low Power Transmission System	Kumar Trimukhe, Radhika D.Joshi, Ashok Saraf	Proceedings of IETE and IE approved National Conference on Signal and Data Processing, pp-22 to 26	National
2.	An Efficient Speech Compression based on Transform Coding	Lata Gupta, Vaishali Ingale	IETE Cynosure NCCEEE 2016, April 2016	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1.	Low Frequency Radio Experiment (LORE)	Kaiwalya Pethe, Shridhar Galande, Sachin Jamadar, S. P. Mahajan & R. A. Patil	International Conference IEEE radio 2015	International
2.	Simulations and Tests of prototype antenna system for low frequency radio experiment (LORE) space payload for space weather observation	Kaiwalya Pethe, Shridhar Galande, Sachin Jamadar, S. P. Mahajan & R. A. Patil	International Conference IEEE radio 2015	International
3.	Logic architecture for 2-select arbiter using Duel Pointer	Mahesh d. Kalpande & Vibha Vyas	Tencon 2015	International
4.	Emerging Trends in IoT Standards and Legislation	R.D.Joshi, C.D. Kulkarni & A.B. Patki, P.W. Wani	International Conference on Internet of Things and Applications, 22-24 January 2016, Iota 2016	International
5.	Signature Imprintment on VLSI core designs	S. R. Chirania, P. Patil & A.B. Patki	Sixth International Conference on Advances in Information Technology and Mobile Communication – AIM 2016	International
6.	Stereo Images for Depth Measurement	Juber A. Sheikh & M. A. Joshi	IEEE Int. Conf on Recent Trends in Electronics, Info & Communication (RTEICT), 20 & 21st May 2016, Bangalore	International



Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No. /ISSN No./ Page No.	National/ International
7.	Digital Image Security using Mosaics	Nishigandha Gaikwad & Shilpa Metkar	International Conference on Computing, Communication and Automation (ICCCA 2016), 29-30 April 2016	International
8.	Factors Affecting on Improvement of Intelligibility in Speech Enhancement	Priyanka Vispute & Madhuri Joshi	International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences (EEECOS) 2016	International
9.	R Peak Detection using Cosine Modulated Filter Bank for HRV Analysis of Normal Sinus Rhythm SVT	Lata Gupta, Vaishali Ingle & Sanjay Nalbalwar	International Conference on Advanced Communication Control and Computing Technologies(ICACCCT) 2016	International
10	Singing-Voice Separation From Monaural Recordings using Empirical Wavelet Transform	Anuja Nerkar & Madhuri Joshi	International Conference on Advanced Communication Control and Computing Technologies (ICACCT 2016)	International
11	A Modified SWT based Text-image Separation in Natural Scene Images	Juili Bhirud & Priti Rege	Conference on Advances in Signal Processing (CASP 2016)	International
12	Scuffle Detection in Videos	Gayatri Deore & Vidya More	International Conference on Electrical, Electronics, Engineering Trends Communication, Optimization and Sciences (EEECOS) 2016	International
13	Content Based Search Mode Improvement for B Frame in HEVC	Kalpana Mule & Vidya More	IEEE International Conference on Recent Trends in Electronics Info & Communication Technology, May 20-21, 2016	International
14	Self Error Detecting and Correcting Hybrid DAC on 45nm Technology	Budhdihal Rohit S & Vaishali Ingale	International Conference on Communication and Signal Processing, April 6-8, 2016	International
15	An IoT Framework for Intelligent Vehicle Monitoring System	Rahul Pendor & P. P. Tasgaonkar	International Conference on Communication and Signal Processing, April 6-8, 2016	International



Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No. /ISSN No./ Page No.	National/ International
16	Object Recognition using Horizontal Array of Ultrasonic Sensors	Apurva Rajendra Patkar & Pankaj P Tasgaonkar	International Conference on Communication and Signal Processing, April 6-8, 2016	International
17	VLSI Implementation of Energy Detection Algorithm for Cognitive Radio	Pratik D. Patangrao, Pankaj Tasgaonkar	International Conference on Communication and Signal Processing, April 6-8, 2016	International
18	Compact Two Port MIMO Microstrip Antenna for 4G Applications	Bhimakant Bansod & Deeplaxmi Niture	International Conference on Information Processing, Dec 16-19, 2015	International
19	A Compact Printed Monopole Antenna for TV White Space Applications using Defected Ground Structure	Subodh Gite & Deeplaxmi Niture	International Conference on Information Processing, Dec 16-19, 2015	International
20	Indoor Monitoring and Home Automation using Sensenuts Wireless Sensor Network Platform	Abhinav Srivastava & Radhika D. Joshi	International Conference on Recent Advances in "Electrical, Electronics and Communication Technology (ECT – 2016)", 7/5/2016 at JNU, New Delhi	International
21	Design of V-Farm and its Reporting	Dike Siddhesh Sakhara & Radhika D. Joshi	International Conference on Recent Advances in "Electrical, Electronics and Communication Technology (ECT – 2016)", 7/5/2016 at JNU, NewDelhi	International
22	PCB Solder Pad Inspection Mechanism using Gerber File	Aparajita Burman, VediyaRaghuv anshi, Prashant Bartakke & Satish Deshpande	5th IEEE International Conference on Communication and Signal Processing (ICCSP'2016), Melmaruvathur, Tamilnadu, 6-8th April 2016	International
23	IP for Maximum Power Point Tracker Charger	Rahul Varma & Prashant Bartakke	5th IEEE International Conference on Communication and Signal Processing (ICCSP'2016), Melmaruvathur, Tamilnadu, 6-8th April 2016	International



Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No . /ISSN No./ Page No.	National/ International
24.	Incremental Negative Correlation Learning Approach for Face Recognition	Alwin Anuse & Vibha Vyas	IEEE ICHCI 2016	International
25.	Logic Architecture for 2-select arbiter using duel pointer	Mahesh Kalpande & Vibha Vyas	IEEE TENCON 2015	International
26.	Traffic Video Surveillance using Contourlet Transform	Archana Boharapi, Shilpa Paygude, Vibha Vyas & M S Sutaone	7th International Conference on Emerging Trends in Engineering and Technology	International
27.	Accuracy Measurement of Depth using Kinect Sensor	Anuj Sabale, Yogita Vaidya	Conference on Advances in Signal Processing (CASP 2016)	International
28.	Infield Firmware Update: Challenges and Solutions	Neha Jain, Swapnil Mali & Suhas Kulkarni	International Conference on Communication and Signal Processing, April 6-8, 2016	International
29.	Low Power CMOS Inverter in Nanometer Technology	Rudraksh Gatkal & Swapnil Mali	International Conference on Communication and Signal Processing, April 6-8, 2016	International
30.	Text to Speech System using Concatenation Synthesis Method for Marathi Language on Raspberry Pi Platform	Apurva Joshi, Swapnil Mali, Prakash Apte & Sridhar Chakravarthy	International Conference on Soft Computing, Intelligent Systems and Applications	International
31.	Frequency Synthesis for Low Power TV Transmitter	Deeplaxmi Niture & Mr. A. G. Shinde	International Journal for Scientific Research & Development Vol. 3, Issue 04, 2015 ISSN (online): 2321-0613	International
32.	Boundary Tracing Technique for Convex and Concave Curves	Prachi. H. Kulkarni, Pratik. D. Kute & Priti P. Rege	International Conference on Current Trends in Advanced Computing (ICCTAC), Bangalore, India, 2016	International
33.	Multipath cancellation and correction in ToF sensors via Coded Pulse Technique	Akshay Guttawar, P. P. bartakke & Swati Patil	International Conference on Advancement in Automation, Robotics and Sensing (ICAARS 2016), Coimbatore, 23-24 June 2016	International



Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No . /ISSN No./ Page No.	National/ International
34.	Improved Directional Hexagonal search Algorithm Implementation in x 265 Video encoder	Sagar Balbhim Shinde, Mukul S. Sutaone & Vidya More	International Conference on Electrical Electronics Engineering trends (EEECOS) 1-2 June 2016	International
35.	Timing closure and leakage Optimization using MCMM Optimization	Nilesh Sharad Khandekar & Vanita Agarwal	International Conference on Electrical Electronics, Computer science, Mathematics, Physical edu and mgmt, ICEECMPE , 5 th June 2016	International
36.	Study of Masked Face Detection Approach in Video analytics	Gayatri Deore, Ramkrishna Bodhula, Vishwas Udpikar & Vidya More	International Conference on Advances in Signal processing (CASP 2016)	International
37.	Speech Enhancement using Auditory Based Transform	Vanita Raj Tak, S. P. Mahajan, Arti Khaparde, Rahul Deshpande	ICICS 2015	International
38.	Implementation of 8-bit Folding and Interpolating Analog to Digital Converter in 90nm technology	Amol Phad, Vaibhav Ingale, Rashmi Vaidya & Pratibha Shingare	IEEE International Conference on Communication and Signal Processing, April 6-8, 2016, India	International
39.	Implementation of a High Speed Low power DSP Co-Processor based on Clock gating and Vedic Mathematics	Rashmi S. Vaidya, Vaibhav A. Ingale, Amol Phad & Pratibha Shingare	IEEE International Conference on Communication and Signal Processing, April 6-8, 2016, India	International
40.	A Sensor Device for Measuring Soil Macronutrient Proportion using FPGA	Vaibhav Ingale, Rashmi Vaidya, Amol Phad & Pratibha Shingare	IEEE International Conference on Communication and Signal Processing, April 6-8, 2016, India	International



Research Publications July 2016 to June 2017

National Journals				
Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No./ISSN No./ Page No.	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No./ISSN No./ Page No.	National/ International
1	A Review on Frequency Reconfigurable Circular Microstrip Patch Antennas	Deepalaxmi V. Niture Neha V. Totawar	IJERT, vol-5, ISSN: 2278-0181, page no. 664-669 issue-08, Aug-2016	International
2	A Novel Training Algorithm for Convolutional Neural Network	Vibha Vyas, Alwin Anuse	Journal of Complex Intelligent Systems Springer 2:221-234, DOI 10.1007/s40747-0024-6, 2016	International
3	Transfer Subspace Learning Model for Face Recognition at a Distance	Vibha Vyas Alwin D. Anuse, Neelima Deshmukh	Journal of Image, Graphics & Signal, MECS (Modern Education and Computer Science Press) 2017, 1, 27-32 Published Online January 2017 in MECS (http://www.mecspress.org/) DOI: 10.5815/jigsp.2017.01.04	International
4	ECG Classification using Dynamic High Pass Filtering and Statistical Framework (HRV)	Vaishali Ingale, Sanjay Nalbalwar	Signal Processing: An International Journal (SPIJ), Computer Science Journal, Volume (10) : Issue (2) : 2016	International
5	Anomaly Detection using Machine Learning Techniques	Dr. R. A. Patil	IJEECS, May 2017	International
6	Identification of suited quality metrics for natural and medical images	Ashok M. Sapkal, Kirti V. Thakur, Omkar H. Damodare	Signal & Image Processing: An International Journal (SIPIJ). Vol 7, no.3, DOI: 10.5121/sipij.2016.7303, Page no. 29-46, June 2016.	International



National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
1	Interface Circuit Design for Capacitive Sensing Transducer in 0.18um CMOS Technology	Vanita Agarwal	IETE Cynosure NCCEEE BATU Lonere, April-2016	National
2	Standard Cell extraction scheme for improving timing model accuracy	Vanita Agarwal	IETE Cynosure NCCEEE BATU Lonere, April-2016	National
3	Role of Fractal based IoT Environment for Smart Cities	Sachin Shukla, Gauri Patankar, Amar Nerune, A.B. Patki, V. Prithviraj	National Conference on Recent Trends in the Development of Smart Cities, NCRTDSC'17, CHENNAI, India, March 3-4, 2017	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
1	Frequency and Polarisation Reconfigurable Square Ring Antenna for Wireless Application	Deepalaxmi V. Niture, Ashish G. Padwal, Dr. S. P. Mahajan	IEEE Region 10 Conference (TENCON), ISSN: 978-1-5090-2597-8/16, page no. 1302-1305, 2016	International
2	Acoustic Environment Identification using Blind De-reverberation	Rashmika K. Patole, P. P. Rege, Pravin Suryawanshi	IEEE, IC on CAST, ISSN: 978-1-5090-1338-8/16, page no. 495-500, 2016	International
3	Digital Image Security Using MOSAICS	Shilpa P. Metkar, Nishigandha V. Gaikwad	IEEE, ICCCA, ISSN: 978-1-5090-1666-2/16, page no. 1074-1079, 2016	International
4	Timing Closure and Leakage Optimization using MCMM Optimization	Vanita Agarwal	ICEECMPE-Pune, Paper ID: IE-EECMPEPUNE-05066-949, June 2016	International
5	Improving the Visual Quality of Secret Fragment Visible Mosaic Image	Shilpa P. Metkar, Nishigandha V. Gaikwad	IEEE, Conference on Advances in Signal Processing(CASP) Cummins COE for Women, Pune, ISSN: 978-1-5090-0849-0/16, page no. 207-211, June-2016	International



Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
6	An effective approach to recover corrupted or mobile captured 2D barcode images with improved accuracy	Shilpa Metkar, Sonam Wasule	IEEE, Conference on Advances in Signal Processing(CASP) Cummins COE for Women, Pune, ISSN: 978-1-5090-0849-0/16, page no. 108-113, June-2016	International
7	Petrographic image classification using optimized Radial Basis Function Support Vector Machine & validation of its asymptotic behavior	Vibha Vyas, Ashutosh S. Marathe; Madhavi Chavhan	IEEE, International Conference on Signal Processing, Communications and Computing (ICSPCC) Year: 2016 Pages:1- 6, DOI: 10.1109/ICSPCC.2016.7753703IEEE Conference Publications	International
8	Analysis framework for machine learning experiments based on classifier combination for petrographic images	Vibha Vyas, Ashutosh S. Marathe; Madhavi A. Chavhan	ICONSIP, Year: 2016 Pages: 1,5, DOI: 10.1109/ICONSIP.2016.7857484	International
9	Biometric association using transfer subspace learning	Vibha Vyas, Rupali Sandip Kute	IEEE, Region 10 Conference (TENCON) Yr: 2016 Pages: 1384-1387, DOI: 10.1109/TENCON.2016.7848241	International
10	An Invertible Fuzzy Scheme for Securing a Fragile Watermark	Vaibhav Joshi, Mehul Raval, Dhruv Gupta, Priti Rege	2016 International Conference on Computing, Analytics and Security Trends (CAST), COEP, Dec 19-21, 2016	International
11	Modelling and Performance Analysis of RF Energy Harvesting Cognitive Radio Networks	Sushil B Ronghe, Varada Potnis Kulkarni	IEEE ICCES 2016, Coimbatore, October 2016	International
12	Automatic Carnatic Raga Identification using Octave Mapping and Note Quantization	Rohan Pillai, S.P. Mahajan	International Conference on Communication and Signal Processing, April 6-8, 2017, India	International
13	Performance Optimization and Comparative Analysis of Neural Networks for Handwritten Devanagari Character Recognition	Sushama Shelke and Shaila Apte	IEEE International Conference on Signal and Information Processing (IConSIP-2016)	International



Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.	National/International
14	Anomaly Detection using Machine Learning Techniques	Dr. R. A. Patil	ICETSMI 2017, Delhi, India	International
15	Fifth Derivative Gaussian Pulse generator for UWB Applications	P.A. Patil, S.R.Chirania, A.B Patki	2016 International Conference on Computing Communication Control and automation (ICCUBEA), 12-13 August 2016.	International
16	Poisson Reducing Unilateral Filtering for X-ray Image Denoising	Ashok M. Sapkal, Kirti V. Thakur, Omkar H. Damodare	International Conference on Communication Computing & Virtualization, FCS, NY, USA. ISSN: 2249-0868, Page no. 9-13, 2016	International
17	Medical Image Denoising using Rotated Wavelet Filter and Bilateral Filter	Ashok M. Sapkal, Kirti V. Thakur, Pramod G. Ambhore	International Conference on Communication Computing & Virtualization, FCS, NY, USA. ISSN: 2249-0868, Page no. 14-18, 2016	International
18	Agri-Guide: an Integrated Approach for Plant Disease Precaution, Detection, and Treatment	Ashok Sapkal, Anjali Chandavale, Suraj Patil	ICDECT, Springer, DOI: 10.1007/978-981-10-1678-3_78, Page no. 809-817 2016, Volume-2.	International
19	Morphology Based Approach for Number plate Extraction	Priti Rege, Chetan Pardeshi	ICDECT, Springer, Volume-2, DOI: 10.1007/978-981-10-1678-3_2, Page no. 11-17, 2016	International
20	Study of x265 and Generic Motion Search Algorithm	Mrs. Vidya N. More, Vivel D. Indrale	2 nd International Conference on computing communication, Control and automation, PCCOE, Pune, Aug 2016	International

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No./ISSN No./ Page No.	National/International
	NIL			

International Journals



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Improvement in Two Dimensional Barcode	S. P. Metkar	Indian Academy of Science, Vol42, Issue 7, July 2017, pp 1025-1035, DOI 10.1007/s12046-017-0670-4	International
2	Inverse Fisher Discriminant ratio based training set selection for optimal classification accuracy	Ashutosh Marathe, Vibha Vyas , Priti Rege	International Journal of Applied Engineering Research,2017	International
3	Adaptive Selection of Thresholds and K-NN variations for pattern Classification Algorithms	Ashutosh Marathe, Vibha Vyas , Priti Rege	Fronteiras, Journal of Social, Technological and Environmental Science,2017	International
4	Algorithm for detection and classification of abnormality in mammograms: An overview	P. P. Rege	A volume in the Advances in information Security, Privacy, and Ethics(AISPE) Book Series, 2018	International
5	Evaluation of Various Feature Sets and Feature Selection towards Automatic Recognition of Bird Species	Arti Bang, Priti Rege	Int. J. Computer Applications in Technology, Vol. 56, No. 3, 2017	International
6	Design of an efficient Hardware searching Algorithm	Ashish Jadhao, Vanita Agarwal	International Research Journal Of Engineering And Technology(IRJET)	International
7	Design Of Charge Pump For PLL With Reduction In Current Mismatch And Variation Having Improve Voltage Swing	Sushil Shingade, Vanita Agarwal	International Research Journal Of Engineering And Technology(IRJET)	International
8	Design Of Capacitor Less LDO Regulator By Using Cascode Compensation Technique	Vartul Sharma, Vanita Agrawal	International Research Journal Of Engineering And Technology(IRJET)	International

Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
---------------	---------------------------	----------------	---	------------------------------------



9.	Neuroimaging and Pattern Recognition Techniques for automatic detection of Alzemier's Disease: A Review	Rupali Kamathe and Kalyani Joshi	Ictact Journal on Image and Video Processing	International
10.	Object Detection and Tracking in Thermal Video Using Directed	Supriya Mangale and Mrs. Madhuri Khambete	Ictact Journal of Signal Processing and Image Processing	International
11.	Adaptive Selection of Thresholds and K-NN variations for Pattern Classification Algorithms	Ashutosh Marathe ; Vibha Vyas ; Priti Rege	Journal of Social, Technological and Environmental Science	International
12.	Recon UWB Antenna for Cognitive Radio	DeeplaxmiV.Niture, Santosh S. Jadhav, and S. P. Mahajan	Progress In Electromagnetics Research C	International
13.	Computer-Assisted Automatic Segmentation/Detection of Multiple Sclerosis Lesions in Brain MR Images: A Review	Rupali Kamathe and Kalyani Joshi	International Journal of Image Processing and Pattern Recognition	International
14.	Gray level co-occurrence matrix feature based object tracking in thermal infrared imagery	Supriya Mangale and Mrs. Madhuri Khambete	Journal of Electronic Imaging	International
15.	Approach for moving object detection using visible spectrum and thermal infrared imaging	Supriya Mangale and Mrs. Madhuri Khambete	Journal of Electronic Imaging	International
16.	A Robust optimized feature set based automatic Classifical of Alzemier's Disease from Brain MR Images using K-NN and ADA-Boost	Rupali Kamathe and Kalyani Joshi	ICTACT Journal on Image and Video Processing	International
17.	Experimental Review of Microstrip Antenna based Shapes of EBG Cells and Gap Width	Rajshri C. Mahajan	Jour of Adv Research in Dynamical & Control Systems, Vol. 10, No. 7, 2018	International
Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International



18.	Recent Trends in Energy Efficient Security Implementation for Resource Constraint Devices	C. G. Thorat and V.S. Inamdar	International Journal of Creative Research Thoughts (IJCRT)	International
19.	Implementation of new hybrid lightweight cryptosystem	C. G. Thorat and V.S. Inamdar	Elsevier journal "Applied Computing and Informatics"	International

National Conferences

Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
	NIL			

International Conferences

Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
1.	Use of High Speed Photography to track and analyze melt pool quality in selective laser Sintering	Sourin Ghosh, Priti P. Rege, Manoj J. Rathod	Second International Conference on Computer Vision & Image Processing CVIP-2017, September 10-12,2017	International
2	Novel audio feature Set for Monophonic Musical Instrument Classification	Shubham Behre, S. P. Mahajan	International Conference on Recent Innovations in Signal Processing and Embedded System RISE-2017	International
3	FPGA Implementation of a Fast Scalar Point Multiplier for an Elliptic	Satwik Maurya, Vaishali Ingale	Springer International Conference on Data and information Sciences,2018	International
4.	Comparison of different Speckle Noise Reduction Filters for RISAT-1 SAR Imagery	Samadhan Kulkarni, Manali Kedar, P. P. Rege	International Conference on Communication and Signal Processing (ICCSP) 2018	International
5.	A Novel Method for Detection of Atrial Fibrillation based on Heart rate Variability	Akib Shah Vaishali Ingle	Springer International Conference on Computing, Communication and Signal Processing (ICCASP-2018)	International
6.	Adaptive Freezing of Backoff in LAA-LTE	Nagpriyanka Parvathreddy, Arada Potnis Kulkarni	IEEE ANTS, Bhubaneshwar, Dec 2017	International
Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International



7.	Tampering Detection in Digital Audio Recording based on Statistical Reverberation Features	Tejas Bhangale, Rashmika Patole	Springer International Conference on Soft Computing and Signal Processing (ICSCSP-2018)	International
8.	Acoustic Scene Identification for Audio Authentication	Meenal Narkhede, Rashmika Patole	Springer International Conference on Soft Computing and Signal Processing (ICSCSP-2018)	International
9.	Vehicle Detection in Aerial Images using Selective Search with a simple deep learning based combination classifier	Tanuja Tewari, Kaustubh Sakhare, Vibha Vyas	Int. Conf. on MCCS 2018	International
10	Image Encryption Technique of Improvement	Devade S. P, Metkar S.P	Springer RACCCS 2017	International
11	Inpainting Algorithm for Video Processing	Chede M.D., Metkar S. P.	Springer RACCCS 2017	International
12	Dynamic Spectrum Allocation and RF Energy Harvesting in Cognitive Radio Network	Pallavi Shetkar, Sushil Ronghe	Springer International Conference on Soft Computing and Signal Processing (ICSCSP-2018)	International
13	Automatic Tonic(shruti) Identification System for Indian Classical Music	Mahesh Pawar, S P Mahajan	Springer International Conference on Soft Computing and Signal Processing (ICSCSP-2018)	International
14	Analysis of Coding Unit Size and Coding Depth for Class A Sequence in HEVC	Shruti Sawant, Shilpa Metkar	Springer International Conference on Soft Computing and Signal Processing (ICSCSP-2018)	International
15	Feature Extraction from Microwave Data Using Backscatter coefficient	Snehal A. Padhye, Priti P.Rege	International Conference on Industrial Instrumentation and Control (ICIC-2015)	International
16	Tampering Detection in Digital Audio Recording based on statistical Reverberation Features	Tejas Bhangale, Rashmika Patole	International Conference on Soft Computing and Signal Processing (ICSCSP-2018)	International

Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
--------	--------------------	---------	--	-------------------------



17	Acoustics Scene Identification For Audio Authentication	Meenal Narkhede, Rshnika Patole	International Conference on Soft Computing and Signal Processing (ICSCSP-2018)	International
18	Study of Applications of Artificial Intelligence Algorithm for Analysis and Investigation of Hybrid Energy Systems to Give Optimum power Generation	Ashwin Vyas, Vibha Vyas	(ICRET) IOP Conf. Series: Earth and Environmental Science 168(2018)012004	International
19	An Image Processing Approach for Mathematical Modeling of Flexible Structure	Priti P. Rege, Mrudal Patwardhan, Shailaja Kurode	Asian Control Conference	International
20	Recognition of Bird Species from their Sounds using data Reduction Techniques	Arti Bang, Priti P. Rege	ACM international proc4eeding series, ICCCT-2017, Allahabad, India	International
21	Analysis of Coding Unit Size and Coding Depth for Class A sequence in HEVC	Shruti D. Sawant, Shilpa P. Metkar	International Confernece on soft computing and signal processing (ICSCSP-2018)	International
22	Anomaly Detection in Crowd using Optical Flow and Textural Feature	Pranali Ingole, Vibha Vyas	International Confernece on soft computing and signal processing (ICSCSP-2018)	International
23	Dyanamic Spectrum Allocation and RF Energy Harvesting in Cognitive Radio Network	Pallavi Shetkar, Sushil Ronghe	International Confernece on soft computing and signal processing (ICSCSP-2018)	International
24	Adaptive Freezing Backoff in LAA LTE	Nagpriyanka Parvathreddy, Varada Potnis Kulkarni	IEEE ANTS, Dec 2017	International
25	Pattern and Frequency Reconfigurable MSA for Wireless Applications	Deeplaxmi V. Niture, Chandr akant S. Patond, Dr. S. P. Mahajan	International Conference on Soft Computing and Signal Processing-2018	International

Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
--------	--------------------	---------	--	-------------------------



26	Utility Aware Snoozy Caches for Energy Efficient Chip Multi-Processors	Ashwini A. Kulkarni , Shounak Chakraborty , Shrinivas P. Mahajan and Hemangee K. Kapoor	GLSVLSI '18 Proceedings of the 2018 on Great Lakes Symposium on VLSI Pages 249-254, ACM Digital Library ISBN: 978-1-4503-5724-1	International
27	Automatic Tonic (Shruti) Identification System for Indian Classical Music	Mahesh Pawar , S.P.Mahajan	International conference on soft computing and signal processing(ICSCSP-2018)	International

Research Publications July 2018 to June 2019

National Journals				
Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No. /ISSN No./ Page No.	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
1	Image Encryption Technique for Improvement of Image Security.	Devade S.P., Metkar S.P	Ambient Communications and Computer Systems. Advances in Intelligent Systems and Computing	International
2	High gain dual-polarised pentagonal microstrip antenna for wireless communications	R.S.Bhadade , S.P.Mahajan	Int. J. Ultra Wideband Communications and Systems, Vol. X, No. Y, 200x ,20XX Inderscience Enterprises Ltd.	International
3	Improved motion estimation algorithm based on integrity index and its implementation in x265	Vidya N. More and Mukul S. Sutaone	Int. J. Computer Aided Engineering and Technology, Vol. X, No. Y, 200x ,20XX Inderscience Enterprises Ltd.	International
4	Accelerating motion estimation by genetic algorithm approach in x265	Vidya N. More, P. P. Bartakke, Mukul S. Sutaone	J. Electron. Imaging 27(6), 063023 (2018), doi: 10.1117/1.JEI.27.6.063023	International



Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
5.	An efficient AES implementation using FPGA with enhanced security features	Harshali Zodpe, Ashok Sapkal	Journal of King Saud University – Engineering Sciences	International
6.	Iterative Improved Learning Algorithm for Petrographic Image Classification Accuracy enhancement	Ashutosh Marathe, Priya Jain , Vibha Vyas	International Journal of Electrical and Computer Engineering (IJECE)	International
7.	Inverse Fisher Discriminant Ratio based Training Set Selection for Optimal Classification Accuracy	Ashutosh Marathe, Priti Rege , Vibha Vyas	International Journal of Applied Engineering Research	International

National Conferences				
Sr. No	Title of the Paper	Authors	PublicationDetails/Vol.No. /ISSN No./ Page No.	National/ International
	NIL			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
1.	Inpainting Algorithm for Video Processing	Chede M.D., Metkar S.P. (2018)	International Conference on Soft Computing and Signal Processing (ICSCSP-2018)	International
2.	Landslide Suceptibility and Hazard Zonation Map using Digital Elevation Model and Multispectral Image	Hitesh Giri, Priti P. Rege	4th International Conference for Converhence in Technology, Ujire, Mangalore, India	International
3.	Wavelet Transform Based Fusion of SAR and Multispectral Images	Manali Kedar, Priti P. Rege	4th International Conference on Nano-electronics, Circuits & Communication Systems (NCCS-2018), Ranchi	International
4.	Image Fusion of RISAT-1 SAR Backscattered Image with AWiFS Optical Data	Akhter Shaheera Saba, Priti P. Rege	IEEE PuneCon 2018	International



Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
5.	Channel Selection in Multichannel and Multiuser RF Energy Harvesting Cognitive Radio Networks	Jayant Kumbhar, Varada Potnis Kulkarni	4th International Conference for Convergence in Technology, Ujire, Mangalore, India	International
6.	Towards Analysing the Effect of Hybrid Caches on the Temperature of Tiled Chip Multi-Processors"	Ashwini Kulkarni, Khushboo Rani, Sukarn Agarwal, S. P. Mahajan , Hemangee K. Kapoor	Proceedings 4th IEEE International Symposium on Smart Electronic Systems, Hyderabad 17th -19th Dec 2018 (to be published in IEEE – iSES proceedings by IEEE – CS conference publications services (CPS)).	International
7.	Towards Analysing the Effect of Snoozy Caches on the Temperature of Tiled Chip Multi-Processors	Ashwini Kulkarni, Chirag Joshi, Khushboo Rani, Sukarn Agarwal, S. P. Mahajan, and Hemangee K. Kapoor	Proceedings 8th International Symposium on Embedded Computing and System Design, Kochi, Kerala 13th to 15th dec 2018(submitted for inclusion to IEEE Xplore).	International
8.	Tri-band Dual Polarized 2 x 2 MIMO Antenna for Wireless Communications	R.S.Bhadade ,S.P.Mahajan	International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI) 2018, pp.458-471	International
9	Audio Genre Classification Employing Support Vector Machine	Gopal Mali, S.P.Mahajan	International conference for Convergence Technology	International
10	Comprehensive Dynamic Spectrum Allocation in multi-PU multi-SU CRN using Coalition Game Theory	R. A. Khedkar, R. A. Patil	2018 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)	International
11	Real-time Implementation of Indian License Plate Recognition System	Girish Desai, P. P. Bartakke	International Conference on Data Science and Analytics, 1st IEEE PuneCon, Symbiosis Institute of Technology, Pune	International
12	RISC Controller with Multiport RAM	Amol S. Udanshiv, Sushma D. Shelke and P. P. Bartakke	International Conference on Advances in Communication and Computing Technology (ICACCT 2018)	International



Sr. No	Title of the Paper	Authors	Publication details/Vol.No. /ISSN No./Page No.	National/ International
13	A Pattern and Polarization Reconfigurable Antenna for WLAN Application	Deeplaxmi V. Niture, Sohan S. Gurame, Dr. S. P. Mahajan	International Advance Computing Conference	International



Instrumentation & Control Engineering Department

Sr. No	Name of Department	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	--	15	--	24	39
2	2015-16	--	04	--	21	25
3	2016-17	--	01	--	13	14
4	2017-18	01	03	--	--	04
5	2018-19	--	02	--	09	11
	Total	01	25	00	67	93

Research Publications June 2014 to July 2015

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ ISSN No./ Page No.	National/ International
1	Bearing fault detection in induction motor using time domain analysis	Kamalesh Deore, M. A. Khandekar	International Journal of advanced research in electrical, electronics and Instrumentation Engineering, Vol.3, Issue 7, July 2014	International
2	Robust Sliding Mode Control for a Class of Nonlinear Systems using Inertial Delay Control	P.V.Suryanwas hi P.D.Shendge, S.B. Phadke	Nonlinear Dynamics, Springer, DOI 10.1007/s11071-014-1569-9 July 2014	International
3	A new state and perturbation observer based sliding mode controller for uncertain systems	DivyeshGiyona; P.D. Shendge; S.B. Phadke	Int. Jour. of Dynamics and Control, Springer DOI 10.1007/s40435-014-0121-6 August 2014	International
4	Impulse line blockage detection of differential pressure transmitter by using blockage factor technique	Vidya Aswar, Surajkumar Sawai, M.A. Khandekar	International Journal of advanced research in electrical, electronics and Instrumentation Engineering, Vo. 3, Issue 11, November 2014	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ ISSN No./ Page No.	National/ International
5	A Boundary Layer Sliding Mode Control Design for Chatter Reduction using Inertial Delay Control	P.V.Suryanwas hi P.D.Shendge, S.B. Phadke	International Journal of Dynamics and Control (Springer), DOI 10.1007/s40435-015-0150-9 Jan 2015	International
6	Design machine condition monitoring system for ISO 10816-3 standard using fuzzy logic	K. S. Deore, M. A. Khandekar	International Journal of Engineering research and technology, Vol. 4, Issue 01, January 2015	International
7	Disturbance observer based sliding mode control of nonlinear mismatched uncertain systems	Divyesh Giyona, P.D. Shendge, S.B. Phadke	Communications in Nonlinear Science and Numerical Simulation (Elsevier), Online available Jan-15	International
8	Uncertainty estimation based approach to anti-lock braking systems	Adarsh Patil, Divyesh Giyona, P.D. Shendge, S.B. Phadke	IEEE Trans. on Vehicular Technology 4-Jul-14, Accepted Feb 2015	International
9	Slip regulation for anti-lock braking systems using multiple surface sliding controller combined with inertial delay control	Rahul Varma Divyesh Giyona, P.D. Shendge, S.B. Phadke	Journal of Vehicle System Dynamics, (Taylor & Francis), Accepted Feb 2015	International
10	An inertial delay observer based sliding mode control for active suspension systems	Sunny Gupta Divyesh Giyona, P.D. Shendge, S.B. Phadke	IMechE, Part D: Journal of Automobile Engineering, (SAGE) Accepted Feb 2015	International
11	Quartz crystal microbalance nitric oxide gas sensor using polyaniline	Nikhil Magsule, R. P. Mudhalwadkar	International Journal of computer application, Feb 2015	International
12	Active suspension system for vehicle based on a smc combination with inertial delay control	V.S. Deshpande, Pramod D. Shendge, Shrivijay B. Phadake	Journal of automobile engineering,	International
13	State and extended disturbance observer for sliding mode control of mismatched uncertain systems	Divyesh Giyona, P.D. Shendge, S.B. Phadke	Journal of Dynamic Systems, Measurement and Control, Online available Jan-15 (ASME) July 2015	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ ISSN No./ Page No.	National/ International
14	Virtual Instrumentation Based System for Rice Quality Analysis	Bhagyashree Mahale, Sapana Korade	International Journal of Modern Engineering Research (IJMER)	International
15	Feasibility study of artificial rainfall system using ion seeding with high voltage source	Neeta Doshi, Sudhir Agashe	Journal of electrostatics 74 Science direct pp. no. 115-127	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./Year/ ISSN No./Page No.	National/ International
	NIL			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Design & development of multi-parameter patient monitoring system with wireless communication to PC	Abhishek Ekhare, Uttam Chaskar	International conference on control Instrumentation communication & computational tech., 10-11 July 2014	International
2	Performance enhancement of binary batch distillation column pilot batch	Shashikant Kale, S. D. agashe	International Conference on Control, Instrumentation, Communication and Computational Technologies, 10 July 14	International
3	Optimized floating point arithmetic unit	SinghPrateek, and Kalyani Bhole	Proc. of India Conference (INDICON), 2014 Annual IEEE, Dec 11-13, 2014	International
4	Development of MOD sensor for renal disease detection	Chandrakant Badgujar, Nikhil Magsule, R. P. Mudhalwadkar	International conference on MEMS and sensors IIT Madras, Dec. 2014	International
5	Development of electronic tongue for food grain analysis	Saikat Hore, Nikhil Magsule, R. P. Mudhalwadkar	International conference on MEMS and sensors IIT Madras, Dec. 2014	International
6	A comparative study of the DC and AC model for thin film sensors for the detection of gases	Dipali Ramdasi, Dr. Rohini Mudhalwadakar	IEEE, 9th International conference on intelligent systems and control, 9-10, Jan 2015	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ ISSN No./ Page No.	National/ International
7	Segmentation techniques for handwritten script recognition system	Jibu Mathew, Ravi Shinde, C. Y. Patil	International Conference in circuit, Power and computing technologies , IEEE, 19-20 March 2015	International
8	Impulsive noise removal from ECG	Singh Prateek, and Kalyani Bhole	Proc. of CCEEDS 2015, March 28-30,2015	International
9	Design of dual axis solar tracking system with remote monitoring	Sangmesh Malge, Ravi Narkhede and Kalyani Bhole	ICIC 2015, May 2015	International
10	Target Controlled anesthetic drug infusion	Najuka Jagtap, Sangmesh Malge and Kalyani Bhole	ICIC 2015, May 2015	International
11	Novel, low cost, remotely operated, Smart irrigation system	Sangmesh Malge and Kalyani Bhole	ICIC 2015, May 2015	International
12	Floating Point FPGA Architecture of PID Controller	Jagannath Wadgaonkar, Prateek Singh and Kalyani Bhole	ICIC 2015, May 2015	International
13	Design and Simulation of Perturb and observe Maximum Power Point tracking Using MATLAB/Simulink	Manoj Patil, Amruta Deshpande	ICIC 2015, May 2015	International
14	Modeling and control of DC DC buck converter using SMC	Amit Kumar, Dr. S. L. Patil, Sajeev kumar Pandey	ICIC 2015, May 2015	International
15	Efficiency Improvement of two coil wireless power transfer system for biomedical implants	G. M. Kawa, S. L. Patil, U. M. chaskar	ICIC 2015, May 2015	International
16	A state feedback control approach via inertial delay observer for magnetic levitation system	Neha singru, Divyesjh Ginoya, P.D. Shendge, S. B. Phadake	ICIC 2015, May 2015	International
17	Performance Assessment of IOPI & FOPI Controller for FOPDT systems	Chandrakant Kadu, C. Y. Patil	ICIC 2015, May 2015	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ ISSN No./ Page No.	National/ International
18	Comparative analysis of control strategies for the condensation process in binary batch distillation column	Samiksha Meshram , Ganesh Garaje, Sudhir Agashe	ICSCTM 2015, May 2015	International
19	Bioler drum level control using fuzzy logic via distributed control system	Rupesh Thoraiet, M. Ravale, Sadik Tamboli, S. D. Agashe	ICSCTM 2015, May 2015	International
20	Implementation of modbus RTU and MODBUS TCP communication using Simens S7-1200 PLC for batch process	Sadik Tamboli, Rupesh Thoraiet, M. Ravale, S. D. Agashe	ICSCTM 2015, May 2015	International
21	Robust yaw stability controller based on disturbance observer using active front stairing	Abhishek Marar, Divyesh Ginoya, S. B. Phadake, P. D. Shendge	ICIC 2015, May 2015	International
22	Inertial delay control based multiple sliding surface controller for antiloc braking system with second order actuator	Shikha Singh, Divyesh Ginoya, S. B. Phadake, P. D. Shendge	ICIC 2015, May 2015	International
23	State and perturbation observer based state feedback control for active suspension	Abhijeet Bhowmic, Divyesh Ginoya P. D. Shendge, S. B. Phadake	ICIC 2015, May 2015	International
24	An Industrial research on GUI testing techniques for windows based application using UFT	Ravi Narkhede, Sapana Korde, Avinash Darda, Saurabh Sharma	ICSCTM 2015, May 2015	International

Research Publications July 2015 to June 2016

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No	National/ International
	NIL			



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Delta-Operator-Based Extended Disturbance Observer and Its Applications	Divyesh Ginoya, P. D. Shendge and S. B. Phadke	IEEE Trans on Industrial Electronics, vol.62, no.9, pp. 5817-5828, Sept. 2015	International
2	Automating Intravenous Anesthesia with a Fuzzy Inference System Coupled with a Proportional Integral Derivative (PID) Controller	Kalyani Bhole, Sudhir Agashe	American Journal of Biomedical Science and Engineering, Vol. 1, No. 6, 2015, pp. 93-99.	International
3	FPGA Implementation of Linear Model Predictive Controller for Real-Time Position Control of DC Motor	Dayaram Sonawane, Deepak Ingole and Vihnagkumar Naik	Inder science Journal of Circuits and Architecture Design, vol. 1(4), pp. 281~294, 2015.	International
4	State and extended disturbance observer for sliding mode control of mismatched uncertain systems	Divyesh Giyona, P.D. Shendge, S.B. Phadke	Journal of Dynamic Systems, Measurement and Control, Online available Jan-15 (ASME)	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol. No./ISSN No./Page No.	National/ International
	NIL			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Novel, low cost, efficient manual cum automation based alcohol & ethanol production Plant	Jagannath Wadgaonkar, Nitin Mane, Kalyani Bhole, Dipali Shinde	2015 International Conference on Energy Systems and Applications (ICESA 2015)", Nov 2015, pp. 603-607	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
2	Modeling and Simulation of Incremental Conductance Maximum Power Point Tracking	Harshal Deopare, Amruta deshpane	IEEE International Conference on Energy Systems and Application 30 October to 01 November 2015, DYPIET Pimpri, Pune India	International
3	Smart wrist watch	Najuka Jagtap, Jagannath Wadgaonkar and Kalyani bhole	SCEECS 2016 (Accepted)	International
4	Comparative Simulation of Conventional Maximum Power Point Tracking Methods	Amruta Deshpande, S. L. Patil, Harshal Deopare	IEEE, International conference on Computing, Communication and Automation (ICCCA), 29-13 April 2016, Galgotias University, Greater Noida, Uttar Pradesh	International
5	Design & Development of Energy Monitoring Solution	Prasad Bhasse, Gajanan Kolmare, Amruta Deshpande	IEEE, International conference on Computing, Communication and Automation (ICCCA), 29-13 April 2016, Galgotias University, Greater Noida, Uttar Pradesh	International
6	Development of control system for an Acid solution formation plant using DCS	Gajanan Kolmare, Prasad Bhasse, Amruta Deshpande	IEEE, International Conference on Computing, Communication and Automation (ICCCA), 29-13 April 2016, Galgotias University, Greater Noida, Uttar Pradesh	International
7	Comparison of optical sensors for non-invasive hemoglobin measurement	Brinda Desai, Uttam Chaskar	Proceeding of International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016, Chennai, India, March 3 ~ 5, 2016	International
8	Reduction of Motion Artifacts in Oscillometric Arterial Blood Pressure Measurement	Bodhisattya Sarkar, Uttam M. Chaskar	Proceeding of IEEE Sponsored 3 rd International Conference on Electronics and Communications (ICECS'16), Karpagam College of Engineering Coimbatore, February 25 ~ 26, 2016	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
9	Developing A graphical User Interface for Fingerprint Identification using MATLAB	Priyanka Tanpure, Uttam M. Chaskar	Proceeding of IEEE Sponsored 3 rd International Conference on Electronics and Communications (ICECS'16), Karpagam College of Engg Coimbatore, Feb 25-26, 2016	International
10	Hardware Implementation and Reduction of Artifacts from ECG Signal	Aman Gupta, U. M. Chaskar	Proceeding of IEEE International Conference on Information Processing, VIT Pune, December 16 ~ 19, 2015	International
11	Efficiency Improvement of two coil wireless power transfer System for Biomedical Implants	G. M. Kava, S. L. Patil, U. M. Chaskar	Proceeding of 2015 IEEE International Conference on Industrial Instrumentation and Control, College of Engineering Pune, May 28 ~ 30, 2015	International
12	Optimal Low Temperature Charging of Lithium-Ion Batteries	Bharatkumar Suthar, Dayaram Sonawane, Richard D. Braatz and Venkat Subramanian	IFAC International Symposium on Advanced Control of Chemical Processes (ADCHEM 2015), Whistler, British Columbia, Canada, pp.1217~1222, June 7-10,2015	International
13	Application of SVM Technique for BLDC Motor Drive	Parag S. Chaudhari, S. L. Patil and Sanjeev Kumar Panday	IEEE ICPEICES June 2016	International
14	Performance Analysis of BLDC Motor on Sinusoidal and Square Wave Supply	Parag S. Chaudhari, S. L. Patil and Sanjeev Kumar Panday	PEDES 2016	International
15	Development of sustainable electric motor for Electric Vehicle	Pradhan, Ajay, and S. L. Patil	International Conference on Science and Technology for Sustainable Development, ISSN 2348-8360, pp 48-52	International
16	Soil resistance and water content measurement using copper plate as grounding electrode with sensor and micro-controller assembly	Pooja patil, C.Y.Patil, R.P.Mudhalwadkar	International Conference on Electronics and communication system, KCOE Coimbatore, Tamilnadu, India	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
17	Implementation of Modbus TCP communication between PLC and Matlab	Praful Hanmante, Sudhir Agashe, Dr.(Mrs.) R.P.Mudhalwadkar, Pritesh shah	International Conference on Innovations in information Embedded and Communication Systems (ICIIECS'16)	International
18	A Method of Ear Feature Extraction for Ear Biometrics using MATLAB	Shubhangi Khobragade, Dheeraj More, Dr. C Y Patil	12th IEEE International Conference INDICON	International
19	Detection of Leukemia in Microscopic White Blood Cell Images	Shubhangi Khobragade, Dheeraj Mor, Dr. C Y Patil	IEEE International Conference on Information Processing	International
20	Automatic Dual-axis Solar Tracking System for Parabolic Dish	Pallavi Patil, M A Khandekar	IEEE International Conference on Advances in Electrical, Electronics, Information, Communication (AEEIC)	International
21	Modeling and simulation of Digital Control Valve	Shubham Nerkar, S. D. Agashe	Proceeding of IEEE sponsored 3rd International Conference on Electronics and Communication Systems, KCOE Coimbatore, Tamilnadu, India	International

Research Publications July 2016 to June 2017

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Analyzing and Minimizing Capacity Fade through Optimal Model-based Control-Theory and Experimental Validation	Manan Pathak, Dayaram Sonawane, Shriram Santhanagopalan, Richard D Braatz, Venkat R Subramanian	Electrochemical Society (ECS) Transactions, vol. 75(23), pp. 51~75, 2017	International



National Conference				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
	NIL			

International Conference				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Fuzzy Logic Based Decision Support System	Jagannath Wadgaonkar, Kalyani Bhole	Proc. of IICIP 2016, 12th-14th August 2016.	International
2	Implementation of control algorithm for furnace temperature control in CFD simulation	Sampada Bhujbal, Ashwini Andhale, Amruta Deshpande , Sachin Pimpalnerkar	IEEE, International Conference on Automatic control and dynamic optimization technique (ICACDOT-2016), September 9-10, 2016, International Institute of Information Technology, Hinjawadi, Pune	International
3	Fuzzy Based Incremental Conductance Algorithm for PV System	Harshal Deopare, Amruta Deshpande	IEEE, International Conference on Automatic control and dynamic optimization technique (ICACDOT-2016), September 9-10, 2016, International Institute of Information Technology, Hinjawadi, Pune	International
4	Performance verification of ripple correlation control for solar PV application	Amruta Deshpande, S. L. Patil	IEEE, 7th Indian International Conference on Power Electronics (IICPE-2016), 17-19 November 2016, Thapar university, Patiala	International
5	Investigation of sliding mode control of higher order DC-Dc converter	Sanjeev Kumar Pandey, S. L. Patil, S. B. Phadke, A. S. Deshpande	IEEE, 7th Indian International Conference on Power Electronics (IICPE-2016), 17-19 November 2016, Thapar university, Patiala	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
6	Sensor Development of Electronic Tongue System for Taste Identification	Rohini Mudhalwadkar	2nd International Conference on Sensors and Electronic Instrumentation Advances,22-23 September 2016, Barcelona, Castelldefels, Spain, ISBN: 978-84-608-9963-1	International
7	Parameter Controlled Gas Sensor System for Development of Sensor Model	Dipali Ramdasi, Rohini Mudhalwadkar	Springer International Conference on Advance Computing and Intelligent Engineering, Odisha, 21st - 23rd December, 2016	International
8	A survey on factors affecting performance and durability of PEM Fuel Cells in Automotive applications	Sujit Barhate, Rohini Mudhalwadkar and Ak Prakash	Springer International Conference on Intelligent Computing and Applications (ICICA 2016) 20th-22nd December, 2016 , Pune	International
9	Performance Evaluation of PID, LQR and MPC Controllers for DC Motor Speed Control	Siddesh Dani, Dayaram Sonawane, Deepak Ingole & Sanjaykumar Patil	IEEE 2nd International Conference for Convergence of Technology (I2CT), Pune, India, April 7-9, 2017.	International
10	Earlier prediction & Comprehensive Health Assessment- Management of Lung Cancer in CT images	Rahul Pujari, Uttam Chaskar	Proceeding of IEEE sponsored 2nd International conferences for convergence of Technology (i2ct), Pune, India. April 07 -08 -09, 2017	International
11	Performance Evaluation of PID, LQR and MPC Controllers for DC Motor Speed Control	Siddesh Dani, Dayaram Sonawane, Deepak Ingole & Sanjaykumar Patil	IEEE 2nd International Conference for Convergence of Technology (I2CT), Pune, India, April 7-9, 2017.	International
12	Convergence rates for direct transcription of optimal control problems using Second Derivative Methods	Dayaram Sonawane, Manan Pathak and Venkat Subramanian	American Control Conference (ACC 2016), Boston, USA, pp. 215-220, July 6-8, 2016	International
13	Automatic Detection of Major Lung Diseases Using Chest Radiographs and Classification By Feed-Forward Artificial Neural Network	Shubhangi Khobragade, Vikram Narke, Dr. C Y Patil	IEEE ICPEICES 2016	International



Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No	National/ International
1	Automation of Hydraulic System and Monitoring of Hydraulic Oil Properties Using Lab View and IOT	Anikesh Ingole, Meera Khandekar	Fluid Power September 2017; Pg No:10-14	Journal of fluid Power, Society of India

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol. No./ISSN No./ Page No.	National/ International
1	Regulation of Nonminimum Phase DCDC Converters using Integral Sliding Mode Control Combined with Disturbance Observer	S. K. Pandey, S. L. Patil, and S. B. Phadke	DOI 10.1109/TCSII.2017.2759908, 2017	IEEE Trans. Circuits Syst-II
2	Comment on "PWM based adaptive sliding-mode control for boost dc-dc converters	S. K. Pandey, S. L. Patil, and S. B. Phadke	Vol. 65, no. 6, pp. 5078-5080, 2018	IEEE Trans. on Industrial. Electron
3	Analyzing and Minimizing Capacity Fade through Optimal Model-based Control-Theory and Experimental Validation	Manan Pathak, Dayaram Sonawane, Shriram Santhanagopalan, Richard D Braatz, Venkat R Subramanian	Vol. 75(23), pp. 51~75, 2017	Electrochemical Society (ECS) Transactions
4	Comment on 'Comments on "A new kind of nonlinear disturbance observer for nonlinear systems with applications to cruise control of air-breathing hypersonic vehicles	S. D. Chaudhari, P. D. Shendge S. B. Phadke	Vol(1), no. 5, pp.-- 2017	International journal of Control, Taylor and Francis
5	Linear disturbance observer based sliding mode control for active suspension systems with non-ideal actuator	U. S. Pusadkar, S. D. Chaudhari, P.D. Shendge, S.B. Phadke	https://doi.org/10.1016/j.jsv.2018	Journal of Sound and Vibration, Elsevier



National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./ Page No.	National/ International
1	Direct Duty Ratio Control of Buck DC-DC Converters Using Disturbance Observer Based Integral Sliding Mode Control	S. K. Pandey, S. L. Patil, U. M. Chaskar and S. B. Phadke	21-23 Oct. 2018	Industrial Electronics Society, IECON 2018-44th Annual Conference of the IEEE
2	Uncertainty Estimator based Sliding Mode Control Schemes for Multimode Noninverting Buck-Boost DC-DC Converter	S. K. Pandey, S. L. Patil, U. M. Chaskar and S. B. Phadke	21-23 Oct. 2018	Industrial Electronics Society, IECON 2018-44th Annual Conference of the IEEE
3	Implementation and Analysis of Nonlinear Model Predictive Controller on Embedded Systems for Real-Time Applications	Saket Adhau, Sayali Patil, Deepak Ingole and Dayaram Sonawane	June 25-28, 2019	IFAC European Control Conference (ECC2019), Naples, Italy, June 25-28, 2019
4	Implementation and Analysis of Offset-Free Explicit Model Predictive Controller on FPGA	Kiran Phalke, Apeksha Nalawade, Deepak Ingole, Sayli Patil, Saket Adhau, and Dayaram Sonawane	January 9-11, 2019	5th Indian Control Conference (ICC2019), IIT Delhi, January 9-11, 2019
5	Embedded Model Predictive Control on Low-Cost Low-End Microcontroller for Motor Speed Control	Saket Adhau, Siddesh Dani, Deepak Ingole and Dayaram Sonawane	Oct. 27-28, 2018	IEEE 4th International Conference on Convergence of Technology, (I2CT-2018),



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./ Page No.	National/ International
6	Hands-on Experience with Implementation of Classical Control for Process Plants	Siddiqui Imran, Deepak Ingole, Sudhir Agashe and Dayaram Sonawane	August 16-18, 2018	ICCUBEA 2018
7	A Disturbance Observer Based Sliding Mode Control for Anti-Lock Braking System	Vijayraj Wanaskar P.D. Shendge, S.B. Phadke	Jan. 2019	International Conference on Advanced Computational and Communication Paradigms ICACCP
8	Disturbance Observer Based Model Following Controller for Four Wheel Steering Vehicles	S. D. Chaudhari, P. D. Shendge S. B. Phadke	Jan. 2019	International Conference on Adv Computational and Comm. Paradigms ICACCP
9	Analysis of asymmetrical damper for improving ride comfort of passenger cars	S. Doiphode S. Choudhary P.D.Shendge S.B.Phadke	May 18th -19th 2018	IEEE Int. Conf. On Recent Trends In Electronics Information & Communication Technology



Department of Metallurgy and Materials Science

Sr. No	Name of Department	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	--	11	--	20	31
2	2015-16	--	09	06	17	32
3	2016-17	--	21	02	08	31
4	2017-18	01	16	01	14	32
5	2018-19	--	04	00	13	17
	Total	01	61	09	72	143

Research Publications June 2014 to July 2015

National Journal				
Sr. No	Title of the Paper	Authors	Publication details/Vol. No./Year/ ISSN No./Page No.	National/ International
	NIL			

International Journals				
Sr. No.	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	International / National
1	Study on PVDF/Ni composites with low percolation	R. K. Goyal, R. Sulakhe	Advanced Materials Letter, 6(4), 201 5, 309-317, DOI:10.5185/amlett.201 5.5627	International
2	Thermal and Dielectric Properties of High Performance Polymer/ZnO Nanocomposites'	Divij P Vaishnav R K Goyal	IOP Conf. Series: Materials Science and Engineering, 64 (2014) 012016 (pp 1-10) doi:10.1088/1757-899X/64/1/012016	International
3	Synthesis of Barium Titanate Powder Using Nano Sized Titania	K.R. Kambal, A.R. Kulkarni , N. Venkataram ani	International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3 Issue 6, June 2014	International
4	Tribological Performance of Boronized, Nitrided and Normalized AISI 4140 Steel Against Hydrogenated Diamond-like Carbon (DLC) Coated AISI D2 Steel,	A.A. Joshi, S.S. Hosmani, J. Dumbre	Tribology Transactions, Vol. 58 (3), 2015, 500-510. (DOI: 10.1080/10402004.2014.988 377	International



Sr. No.	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	International / National
5	Pack-boronizing of AISI 4140 Steel: Boronizing Mechanism and the Role of Container Design	A.A. Joshi, S.S. Hosmani	Materials and Manufacturing Processes, Vol. 29, Issue 9, Pages 1062-1072 (2014) (DOI: 10.1080/10426914.2014.921705)	International
6	Interrelationships of Defects, Nitride Modification and Excess Nitrogen in Nitrided Fe-4.75 at.% Al Alloy",	S. Meka, E. Bischoff, S.S. Hosmani and E.J. Mittemeijer	International Journal of Materials Research (former Zeitschrift für Metallkunde), Vol. 105, Pages 1-10 (2014). (DOI: 10.3139/146.111127)	International
7	Electro deposition of m- aminophenol on low carbon steel and corrosion protection studies	P.P.Deshpan de, S.T.Vagge and Jaydeep Khade	U.P.B.Sci Bull series B, 76 (4), December 2014 ,pp 193-202	International
8	Study of kinetics of Mill scale reduction: For PM applications	C.Joshi, N.B.Dhokey	Transaction of IIM, February 2015, Volume 68, Issue 1, pp 31-35	International
9	"Dissimilar Metal Joining by Using Friction Stir Spot Welding,"	Rathod M. and Rithe R	SAE Technical Paper, April 2014, 2014-28-0020, DOI:10.4271/2014-28-0020	International
10	"Friction Stir Welding of Aluminium-Alloys"	Rathod M. and Karale T.	SAE Technical Paper, April 2014, 2014-28-0015, DOI:10.4271/2014-28-0015.	International
11	"Laser Surface Hardening of Ductile Irons,"	Rathod M. and Deore, H.	SAE Technical Paper, April 2014, 2014-28-0021, DOI: 10.4271/2014-28-0021.	International

National Conference

Sr. No	Title of the Paper	Authors	Publication details/Vol.No./Year/ ISSN No./Page No.	National/ International
	NIL			



International Conferences				
Sr. No.	Title of the Paper	Authors	PublicationDetails/Vol. No. /ISSN No./ Page No.	National/ International
1	X - ray diffraction analysis of mould fluxes used in continuous casting	K.R. Kambale, S.S. Nene and H.N. Dharwadkar	52 nd NMD and 68 th ATM "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pune, 12-15 November 2014	International
2	Scanning Electron Microscopy Study on Advanced Polymeric Nanocomposites	R. K. Goyal, D. P. Vaishnav	International Conference on Electron Microscopy & XXXV Annual Meeting of Electron Microscope Society of India (EMSI), Held at University of Delhi,	International
3	A Study on Effect of BaTiO ₃ on the Electrical Properties of Polymeric Nanocomposites	A. A. Thanki, J. Thanki and R. K. Goyal	52 nd National Metallurgists' Day (NMD) and 68 th Annual Technical Meeting (ATM) "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pune,	International
4	Study on Polymer Matrix Micro- and Nanocomposites for EMI Shielding	R. K. Goyal, R. Sulakhe, R. Gadve and A. Gupta	52 nd NMD and 68 th ATM "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pune, 12-15 November 2014	International
5	Polymer/Cobalt Composites for Electronic Applications	U. Vibhute and R. K. Goyal	52 nd NMD and 68 th ATM "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pune2	International



Sr. No.	Title of the Paper	Authors	PublicationDetails/Vol. No. /ISSN No./ Page No.	National/ International
6	Preparation and Properties of Poly(phenylene sulfide)/Clay Nanocomposites	S. D. Sale and R. K. Goyal	52 nd NMD and 68 th ATM "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pune	International
7	Earliest Evidence of Hardening of steel (Invited Lecture)	P.P. Deshpande	52 nd NMD and 68 th ATM "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pun	International
8	Effect of Surface Mechanical Attrition Treatment on 6061-T6 Aluminum alloy	S.S. Hosmani, P. Wakadkar, P. Katti and S. Shaikh	52 nd NMD and 68 th ATM "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pune	International
9	Surface Engineering of 4330V and AISI 1020 steels: Role of Surface Mechanical Attrition Treatment (SMAT) and Nitriding Response	A. Garje, A. Gatey and S.S. Hosmani	2 nd NMD and 68 th ATM "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pune	International
10	Surface Modification of AISI 304 steel; The role of Surface Mechanical Attrition Treatment Process Parameters	N.S. Meshram, S. Gahlyan, A. Gatey and S.S. Hosmani	52 nd NMD and 68 th ATM "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pune	International
11	Friction Stir Surface Alloying of Al 1200 Alloy	K. Mane, N. Shah, S. Mulik, A. Deshpande and S.S. Hosmani	52 nd National Metallurgists' Day (NMD) 68 th Annual Technical Meeting (ATM), Indian Institute of Metals (IIM), Organized at COEP	International



Sr. No.	Title of the Paper	Authors	PublicationDetails/Vol. No. /ISSN No./ Page No.	National/ International
12	Surface Mechanical Attrition Treatment (SMAT) of steels	S.S. Hosmani	Presentation at UGC NRC-M Symposium and Discussion meeting on 'Severe Plastic Deformation and Bulk Nano-structured Materials', Organized by Indian Institute of Science (IISc), Bangalore, India	International
13	Study of high temperature oxidation behavior of LTA as top coat material for TBC	Pritee Purohit, S. T. Vagge	NMD ATM 2014	International
14	Sintering Aids for Transparent Polycrystalline Nd: YAG ceramics	Ghansham Patil, Pratik Upare, Neeraj Bubane, Sandeep P. Butee	PM-15 held at VMCC, IITB-Mumbai, 19- 21 January 2015	International
15	Study of powder forged properties of gear material	J.D.Khatri, V.T.T havale, N.B.Dho key	PM-15 held at VMCC, IITB-Mumbai, 19- 21 January 2015	International
16	"Precipitation hardening of A356 aluminium alloy for property optimization"	Mr. A. R. Kumbhar, Prof. M. J. Rathod, Mr. Vivek Joshi, Mr. M. V. Khadilkar	The International Conference and Exhibition- ALUCAST 2014, Bengaluru, 4-6 December 2014 International Exhibition Centre, Bangalore	International
17	"Laser Surface Hardening of ductile iron and austempered ductile iron"	M.J. Rathod, H.A. Deore	IIM NMD ATM 2014 College of Engineering Pune, PUNE, 12-15 November 2015	International
18	Influence of process conditions on sintering of premix Al Si Alloy	A.Methe , N B Dhokey	International conference on Powder Metallurgy and particles (PM15), organised at IIT Bombay by PMAI, 19-21 January 2015	International
19	Effect of cryomilling on beta phase transformation	N.Revade, V. Poddar, N B Dhokey, D.Prakash, R Purohit	International conference on Powder Metallurgy and particles (PM15), organised at IIT Bombay by PMAI, 19- 21 January 2015	International



Sr. No.	Title of the Paper	Authors	Publication Details/Vol. No. /ISSN No./ Page No.	National/ International
20	Synthesis of Zirconia Nanopowder Using Planetary Ball Mill	A. S. Bora, S. P. Deshpande, S. S. Singare, P. S. Sabe, and R. K. Goyal	52 nd NMD and 68 th ATM "Redefining the Horizons of Metallurgy/Materials: Focus on Automotive, Aerospace, Defense and Energy" organized by IIM, held at College of Engg, Pune	International

Research Publications July 2015 to June 2016

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Study on PVDF/Ni composites with low percolation	R. K. Goyal	Advanced Materials Letter, 6(4), 2015, 309-317,	International
2	Automatic Quantitative Analysis of Microstructure of Ductile Cast Iron Using Digital Image Processing	Abhijit Malage, Priti P. Rege, Manoj J. Rathod	Metallurgical & Materials Engineering, Association of Metallurgical Engineers of Serbia, Vol. 21 (3) 2015, p. 155-165	International
3	Study of kinetics of Mill scale reduction: For PM applications	N.B.Dhokey	Trans Indian Institute of Metals (2015) 68(1): 31-35	International
4	Few-Layer-Graphene/ Polycarbonate Nanocomposites as Dielectric and Conducting Material	R. K. Goyal	Journal of Applied Polymer Science, 2015, 132; 42443	International
5.	Tribological Performance of Boronized, Nitrided and Normalized AISI 4140 Steel Against Hydrogenated Diamond-like Carbon (DLC) Coated AISI D2 Steel	S. S. Hosmani	Tribology Transactions 58 (3), 500-510	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
6.	Synthesis of Iron Nanopowder and Its Nanocomposites with High Electrical Conductivity and Thermal Stability	R. K. Goyal, P. Dhoka, A. Bora, and P. Gaikwad	Journal of Materials Science & Surface Engineering 4 (1), 2016, 339-341.	International
7	Electrical Properties of Polycarbonate/ Nickel Composites Prepared by a Simple Processing Technique	A Gupta, R. K. Goyal	Journal of Materials Science & Surface Engineering, Vol. 4 (2), 2016, 351-354	International
8	Synthesis of ZrO ₂ Nanopowder using High Energy Ball Mill and Characterization	R. K. Goyal, S.P. Deshpande, S.S. Singare	Journal of Materials Science & Surface Engineering, 19 th Jan 2016, Vol. 4 (2), 2016, 360-363	International
9	Abrasive wear response of cryotreated EN45 steel in simulated wear test rig fixture	N. B. Dhokey, A. Raskar, A. R. Hake & G. Mohapatra	Tribology - Materials, Surfaces & Interfaces, Volume 9, Issue 3, July 2015, pages 159-164	International

National Conference				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Corrosion and Tribo Corrosion Behavior of AISI316L Medical Grade Steel in Hank's Solution.	S. T. Vagge	Eighteenth National Congress on Corrosion Control, 24-26 February, 2016 Hotel Green Park, Chennai	National
2	Study of isothermal and cyclic oxidation of Thermal Barrier Coating	S. T. Vagge	Eighteenth National Congress on Corrosion Control, 24-26 February, 2016 Hotel Green Park, Chennai	National
3	Effect of Nanocrystallization on Commercial Plasma Nitriding Cycle of Austenitic Stainless Steel	Praksh G Ranaware, M J Rathod	Conference on Advanced Material Processing, CAMP2016, 2-5 December 2015, MNIT Jaipur	National
4	Effect of Vacuum on reduction in porosity of A380 alloy for high pressure die casting	Rohit Shingade, Dr. M.J. Rathod, Mr. Vivek Joshi	Aluminum Casters' Association of India, ALUCAST 2015, 11-12 December 2015, Pune	National



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
5	Fiber Laser Welding of Dissimilar Thickness Austenitic Stainless Steel Sheets	M.J. Rathod, R.S. Ranade, Anurag Girdhar	National Welding Seminar, NWS-2015, IIW, 9-11 December 2015, Washi, Navi Mumbai	National
6	Dissimilar Metal Joining of Pure Copper and Al 6061 by Using Friction Stir Spot Welding	M. J. Rathod, Rajiv R. Devmore	National Welding Seminar, NWS-2015, IIW, 9-11 December 2015, Washi, Navi Mumbai	National

International Conference				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1.	Polyaniline - Nano Zinc Oxide Composite as a Pigment for Corrosion Protection of Low Carbon Steel	P. P. Deshpande	International Conference on Advances in Functional Materials, AFM15, USA, 29th June - 3rd July 2015	International
2	Isothermal and hot corrosion behavior of thermal barrier coatings (TBC)	S.T.Vagge	17th APCCC, Mumbai, Jan 27-30, 2016	International
3	Study of tribological and corrosion properties of super duplex stainless steel piston rods used in marine environment	S.T.Vagge	IIM-NMD-ATM-2015 Coimbatore, 13- 16 November 2015	International
4	Synthesis of Molybdenum Disulphide (MoS ₂) Nanopowder Using Planetary Ball Mill	Harishwar Kale, Manisha Kulthe, R.K. Goyal	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International
5	Study on Polypropylene/ Electrolytic Grade Iron Composites Prepared by Twin Screw Extruder for Elevator Buckets	Chetan Kale, S. R. Panchal, Prakash Dhoka, R. K. Goyal	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International
6	Study on High Temperature Poly(aryletherketon) (PAEK)/Iron Composites Prepared by Powder Metallurgy (P/M) Route	Suyog Gaikwad, R K Goyal	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
7	Development of Thermoelectric β -FeSi ₂ by Mechanical Alloying and its Response to Hot Press Sintering	N.B.Dhokey, N.Revade, R.Garbade, V.Poddar, R.Purohit, D.Prakash	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International
8	Fabrication of Thermoelectric Generator and Assessment of its Functionality	N.B.Dhokey, Kulkarni, A.Patil, R.Garbade, D.Prakash, R.D,Purohit	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International
9	Synthesis of In-Situ Titanium Metal Matrix Composite	N.B. Dhokey, K.Burande	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International
10	Forgeability of Astaloy and its Response to Thermal Processing	N.B.Dhokey, V.Thavale, S.Dhokale, P.Ghosh	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International
11	Conceptualization,Design and Mathematical Modeling of a Process:Conversion to Multi-oxide Mill Scale to Fe ₂ O ₃ Powder	N.B.Dhokey, Rushikesh Sabban, Pravin Tarate	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International
12	Modification of Surface Properties of Al-Based PM Compacts by Plasma Nitriding	N.B. Dhokey, S. Biradar	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International
13	Rapid Prototyping of Bronze Powders using Fiber Laser	Prof. M. J. Rathod, Sumitkumar S. Bind, Tuhid M. Shaikh	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International

Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
---------------	---------------------------	----------------	--	--------------------------------



14	Synthesis and Characterization of Sodium-Beta-Alumina for Na-S Batteries	Sandeep P Butee, Mayur Firodiya, K.R. Kambale	International conference on Ceramic and Advanced Materials for Energy and Environment (CAMEE 2015) held at Christ University, Bengaluru, 15-17 Dec. 2015	International
15	A Study on practical difficulties associated with reaction sintering of some lead free perovskites	K.R. Kambale, S. P Butee, Sameer Shroff, Dilip Kendre, Nikita Goswami	International conference on Ceramic and Advanced Materials for Energy and Environment (CAMEE 2015) held at Christ University, Bengaluru, 15-17 Dec. 2015	International
16	Synthesis and Characterization of ZnNb ₂ O ₆ - Polycarbonate composites (PM16-1449492110)	Sandeep Butee, . Nikhil Silam, R.K.Goyal, K. R. Kambale , Ganesh Kotiye	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International
17	Improvement in transparency of Nd:YAG ceramics through hot press sintering.	S P Butee, K R Kamble, Prashant Dixit, M D Joshi, S A Dhawanjewar	International Conference on Powder Metallurgy and Particulate Materials (PM 16),18-20 February, 2016, Hyatt Regency Pune, India	International

Research Publications July 2016 to June 2017

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
	NIL			

International Journals



Sr. No	Title of the Paper	Authors	PublicationDetails/Vol. No./ISSN No./ Page No.	National/ International
1	Study on Effect of Cubic- and Tetragonal Phased BaTiO ₃ on the Electrical and Thermal Properties of Polymeric Nanocomposites	A. A. Thanki, R. K. Goyal	Mater ChemPhys, 183 (2016), 447-45610. 1016/j.matchemphys.2016.08.052, pp: 447-456	International
2	Tribological and Thermal Properties of Hexagonal Boron Nitride Filled High Performance Polymer Nanocomposites	R K Goyal, M Joshi, A. Goyal, S. Patil	Journal of Applied Polymer Science, 2016 , 133,44409 (1-9) DOI: 10.1002/app.44409	International
3	Polycarbonate based three-phase nanocomposite dielectrics	P. K. Sain, R. K. Goyal, Y.V.S.S. Prasad, A. K. Bhargava	Materials Research Express, 3(8), (2016), 85016. doi:10.1088/2053-1591/3/8/085016	International
4	Single-Walled/ Multi-walled Carbon-Nanotube filled Polycarbonate Nanocomposites for Advanced Electronic Applications	P. Sain, R.K. Goyal, A.K. Bhargava, Y.V. S. S. Prasad,	J Electr Mater, 46(1) 2017, 458-466. DOI: 10.1007/s11664-016-4907-5, pp: 458-466	International
5	Novel Polyacrylonitrile/Potassium Sodium Niobate Composites with Superior Dielectric and Thermal Properties	Kaustubh Kambale, Rajendra Goyal, Sandeep Butee, Rohan Parsewar, Hanmant Gawade, Sameer Shroff	Composites Communications, 5 (2017), 8-12. doi.org/10.1016/j.coco.2017.04.003	International
6	Optimization of Cryosoaking Period and Microstructural Transformation on Wear Mechanism of SAE 8620 Gear Steel	P. Ghosh & N. B. Dhokey	Tribology Transactions, 2016, DOI: 10.1080/10402004.2016.1259435	International
7	Refinement of tempered martensite structure and its effect on wear mechanism in SAE 8620	P. Ghosh & N. B. Dhokey	Tribology - Materials, Surfaces & Interfaces, 10:4, 178-184, DOI: 10.1080/17515831.2016.1262586	International

Sr. No	Title of the Paper	Authors	PublicationDetails/Vol. No./ISSN No./ Page No.	National/ International
---------------	---------------------------	----------------	---	--------------------------------



8	Conducting polyaniline/nano-zinc phosphate composite as a pigment for corrosion protection of low-carbon steel	Pravin P. Deshpande, Abhijit A. Bhopale, Vandana A. Mooss, Anjali A. Athawale	Chem. Pap. 2016, DOI 10.1007/s11696-016-0082-7	International
9	Conducting polyaniline nanocomposite-based paints for corrosion protection of steel	Dimitra Sazou, Pravin P. Deshpande	Chem. Pap. DOI 10.1007/s11696-016-0044-0	International
10	Shot peening in a novel centrifugal air blast reactor	P. G. Ranaware & M. J. Rathod	Surface Engineering, DOI: 10.1080/02670844.2016.1204087	International
11	Combined effect of shot peening, subcritical austenitic nitriding, and cryo-treatment on surface modification of AISI 4140 steel	P. G. Ranaware & M. J. Rathod	Materials and Manufacturing Processes, DOI: 10.1080/10426914.2016.1221112	International
12	Dissimilar Metal Joining of Pure Copper and Al 6061 by using Friction Stir Spot Welding	M. J. Rathod , Rajiv R. Devmore	INDIAN WELDING JOURNAL Volume 49 No. 4, October, 2016, pp: 64-70	International
13	Designing Heat sequence of wrought iron in Ancient Vidarbha region of Maharashtra- A review	P.P.Deshpande and V.S. Shinde	Trans of IIM Vol 70, Issue 2 doi- 10.1007/s12666-016-0989-2	International
14	Evaluation of alumina incorporated combined ceramic layer thermal barrier coating.	P Purohit, ST Vagge	Surface and Coating Technology	International
15	Synergetic effect of thicker nanocrystalline structure with high amount of strain induced martensite on surface characteristics of plasma nitrided austenitic stainless steel	P.G. Ranaware, M.J. Rathod	Surface & Coatings Technology, 302 (2016) 265–274, http://dx.doi.org/10.1016/j.surfcoat.2016.05.085	International
Sr. No	Title of the Paper	Authors	PublicationDetails/Vol. No./ISSN No./ Page No.	National/ International



16	Evolution of Thermoelectric β -FeSi ₂ Phase by Cryo Milling and sintering	V.S.Poddar, N.B. Dhokey, S.P.Butee, N.B.Revade, M.M.Thombre, R.D. Purohit, Deep Prakash	Trans Indian Inst Met (2017) 70(1): 167-174, DOI 10.1007/s12666-016-0873-0	International
17	Graphene oxide modified polyaniline pigment for epoxy based anti-corrosion coatings	Vandana A. Mooss, Abhijit A. Bhopale, Pravin P. Deshpande, Anjali A. Athawale	Chemical Papers, 2017, DOI: 10.1007/s11696-017-0146-3	International
18	Electrical properties of sodium beta-alumina ceramics synthesized by citrate sol-gel route using glycerine	S.P. Butee, K.R. Kambale, Mayur Firodiya	Processing and Application of Ceramics, 10 (2016) 67-72.	International
19	Effect of Nano Sized Starting Materials on the Dielectric and Ferroelectric Behaviour of Barium Titanate	K.R. Kambale, A.R. Kulkarni, N. Venkataramani	Transactions of Powder Metallurgy Association of India, 42(2) (2016) 17-30.	International
20	Improvement in Transparency of Nd:YAG Ceramics through Hot Press Sintering	S.P. Butee, K.R. Kambale, Prashant Dixit, M.D. Joshi, S.A. Dhawanjewar	Transactions of Powder Metallurgy Association of India, 42(1) (2016) 101-108.	International
21	Effect of Post - Sinter Annealing on the Properties of Ceramics	K.R. Kambale, S.P. Butee	Metal Powder Report, 2017, doi.org/10.1016/j.mprp.2017.02.002)	International

National Conference

Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Flip side of improvement in fracture toughness of Barium titanate by addition of alumina	K.R. Kambale	XIX National Seminar on Ferroelectrics and Dielectrics, 19-21 Dec 2016, Dept of Physics, Maulana Azad NIT, Bhopal	National

Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
--------	--------------------	---------	---	-------------------------



2	From lamination to forge welding technology in ancient and medieval India	P. P. Deshpande	5th Bharatiya Vigyan Sammelan & Expo 2017, 11 - 14 May 2017, Fergusson College, Pune.	National
---	---	-----------------	---	----------

International Conference

Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1.	Effect of addition of V2O5 on the densification, dielectric and ferroelectric behaviour of Pb free K-Na- Niobate Ceramics	K.R. Kambale	International Conference on Technologically Advanced Materials and Asian Meeting on Ferroelectrics, 7-11 Nov 2016, University of Delhi	International
2	Electrical Properties of Graphene/Polymer nanocomposites Prepared by a Simple Route	R K Goyal	International Conference on Advanced Rechargeable Batteries & allied Materials (ICARBM-2017), organized by Centre for Materials for Electronics Technology (C-MET) Pune during, March 8-9 2017,	International
3	Synthesis and Characterisation of ZnO-Bi2O5-CuO-V2O5 based High Voltage Varistor	S. P. Butee	International conference on Ceramics, Glass and Refractories - Emerging Innovations, 13-15 Dec 2016, IICT, Hyderabad, Telangana, India	International
4	Corrosion behavior of SS316 in hank solution for biomedical applications	S.T. Vagge	NMD'16 "Metals, Materials and Manufacturing for a Self-Reliant India, 11-14 Nov'16, BHU-IIT, Banaras	International
5	Effect of particle size and process parameters on dimensional shrinkage of sintered compacts	N B Dhokey	International conference on Powder Matallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi	International
6	Fabrication of Thermoelectric Generator for high temperature application using unicouples made from p-type and n-type β -Iron disilicide	V. Poddar	International conference on Powder Matallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi	International
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International



7	Development of Near Net Shape Fe-Cu-C Sintered Powder Compacts Through Composition Control	S. P. Butee	European Powder Metallurgy World Congress-2016 Hamburg, 10–13 Oct 2016, Germany	International
8	Recycling of mill scale for iron	N. B. Dhokey	European Powder Metallurgy World Congress-2016 Hamburg, 10–13 Oct 2016, Germany	International

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Fabrication of Thermoelectric Generator for high temperature application using unicouples made from p-type and n-type β -Iron disilicide	R.Garbade, V. S. Poddar, N. B. Dhokey, D. Prakash, R. D. Purohit	TRANSACTIONS OF PMAI, VOL. 43 (1), JUNE 2017	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol. No./ISSN No./ Page No.	National/ International
1	Influence of carbide density on surface roughness and quasi-stable wear behaviour of H13 die steel	Tarang Shinde, N. B. Dhokey	Surface Engineering	International
2	Evolution of Tertiary Carbides and Its Influence on Wear Behavior, Surface Roughness and Fatigue Limit of Die Steels	Tarang Shinde, N. B. Dhokey	Springer Proceeding: Fatigue and Durability in 2016, 28-30 Sept 2016, IISc, Bangalore	International
3	Influence of tertiary carbides on improving fatigue limit of H13 Die Steels	Tarang Shinde, N. B. Dhokey	Metallography, Microstructure and Analysis: Application and Innovation for Metals, Alloys and Engineering Materials	International
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International



4	Evaluation of corrosion protection performance of conducting polyaniline/nanozinc phosphate coated low carbon steel by impedance spectroscopy	Pravin Deshpande, Abhijit Bhopale, Vandana Mooss, Anjali Athawale	U.P.B. Sci. Bull., Series B, Vol. 79, Iss. 4, 2017	International
5	Electromagnetic Interference Shielding of Polycarbonate/GNP Nanocomposites in X-band	Pratik Nimbalkar, Amit Korde, R. K. Goyal	Mater Chem Phys, 206 (2018) doi.org/10.1016/j.matchemphys.2017.12.027	International
6	Effect of manufacturing processes on percolation threshold and electrical conductivity of polymer/multi layers graphene nanocomposites	S. D. Gaikwad, R. K. Goyal	Diamond and related Materials, 85 (2018), doi.org/10.1016/j.diamond.2018.03.029	International
7	Effect of Scandium addition on evolution of microstructure, texture and mechanical properties of thermo-mechanically processed Al-Li alloy AA2195	M. Suresh, A. Sharma, A.M. More, N. Nayan, S. Suwas	Journal of Alloys and Compounds, 740 (2018) 364-374	International
8	Effect of addition of V2O5 on the densification, dielectric and ferroelectric behavior of lead free potassium sodium niobate ceramics	K. R. Kambale, Sameer Shroff, S. P. Butee, Rajan Singh & A. R. Kulkarni	Ferroelectrics, 2017, VOL. 518, 94–102	International
9	Novel polyacrylonitrile/potassium sodium niobate composites with superior dielectric and thermal properties	K. R. Kambale, R. K. Goyal, S. P. Butee, R. Parsewar, H. Gawade, S. Shroff	Composites Communications 5 (2017) 8–12	International

Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
--------	--------------------	---------	---	-------------------------



10	Effect of post-sinter annealing on the properties of ceramics	K.R. Kambale and S.P. Butee	Metal Powder Report Volume 00, Number 00 March 2017	International
11	Effects of chloride ions on the corrosion resistance of conducting polypyrrole coated steel in simulated concrete pore solution	Hema munot, Pravin Deshpande, Chetankumar Modhera	U.P.B. Sci. Bull., Series B, Vol. 79, Iss. 2, 2017	International
12	INQUEST OF STRUCTURAL AND OPTICAL PROPERTIES IN SINGLE PHASE LAPO4:TB3+ NANO PHOSPHOR FOR MULTICOLOR EMITTING LEDS	Abhilasha Jain, Prashant Kumar Gaikwad, Bilal Pirjade, Chahat Saiwal, S.J Dhoble, D.R Peshwe	Journal of Research in Engineering and Applied Sciences	International
13	High Temperature Uniaxial Compression and Stress–Relaxation Behavior of India-Specific RAFM Steel	NAIMISH S. SHAH, SAURAV SUNIL, and APU SARKAR	METALLURGICAL AND MATERIALS TRANSACTIONS A	International
14	Influence of Cryosoaking period on Wear characteristics and surface Topography of M35 Tool Steel	N. B. Dhokey, Priyanka Lalge	Tribology – Materials, Surfaces & Interfaces	International
15	Conducting Polypyrrole Coated Rebar in a Carbonated Concrete Pore Solution: Electrochemical Investigations	H. Munot, P. Deshpande, C. Modhera	Portugaliae Electrochimica Acta 2018, 36(5), 365-375	International
16	Nano-TiO2 Phosphate Conversion Coatings – A Chemical Approach	Nilesh S. Bagal, Vaibhav S. Kathavate, and Pravin P. Deshpande	Electrochem. Energy Technol. 2018; 4:47–54	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Boron steel for Agricultural implements	N.B.Dhokey, A.Nanaware T.Bastewad	National Conference on Wear in Agriculture Implements and Machinery: Design, Materials, Process & Performance held on 8-9 June 2018 at College of Engineering Pune	National

International Conference				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1.	Piezoelectric and Ferroelectric Properties of Ba _{1-x} Pb _x TiO ₃ , (x=0-0.1) Ceramics	Mohammed Faizan, S.P.Butee	EH-TACAG'17 81 st Annual session of Indian Ceramic Society and International conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses", 14-16 Dec 2017, COEP, Pune	International
2	Fabrication and Characterization of β -FeSi ₂ Thermoelectric device for high temperature application.	Bilal Pirjade, Onkar Khadse, V.Poddar, N.B.Dhokey	EH-TACAG'17 81 st Annual session of Indian Ceramic Society and International conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses", 14-16 Dec 2017, COEP, Pune	International
3	High Energy Density Ceramics for Shock Compressed Ferroelectric Generators	Priyangi Karajagikar, S.P.Butee	EH-TACAG'17 81 st Annual session of Indian Ceramic Society and International conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses", 14-16 Dec 2017, COEP, Pune	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
4	Synthesis, Fabrication and Electrical Characterisation of La ₂ Ti ₂ O ₇ ceramics	Akash Mahajan, K.R. Kambale, S. P. Butee, T. Karthik, A.R. Kulkarni	EH-TACAG'17 81 st Annual session of Indian Ceramic Society and International conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses", 14-16 Dec 2017, COEP, Pune	International
5	Synthesis and Electrical Properties of Sodium Beta Alumina Ceramics	Amruta Vairagade, Channabas avraju, S.P.Butee, Kaustubh Kamble	EH-TACAG'17 81 st Annual session of Indian Ceramic Society and International conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses", 14-16 Dec 2017, COEP, Pune	International
6	Failure Analysis: Metallurgical investigation of AISI 440 C used in space application	Naimish Shah, Kapil Arora, N.B.Dhokey	International Conference on Advanced Materials and Processes (ADMAT)-2017, Trivendrum, 14-16 Dec 2017	International
7	Estimation of creep properties by stress relaxation testing of RAFM steel	Naimish Shah, Apu Sarkar	IIM-NMD-ATM 2017, International symposium on "Lightweighting for defence, aerospace and transportation, 11-14 Nov 2017, BITS Pillani, Goa	International
8	Study of metallurgical factors in improving service life of wire drawing carbide dies using cryogenic treatment	Shreyas Joglekar, Divyansh Saxena, N.B.Dhokey	2017 Cryogenic Engineering Conference and International Cryogenic Materials Conference, 9 - 13 Jul 2017, Madison, WI, USA	International
9	Study of Cryogenic Treatment and CrN coating to enhance wear resistance of EN45 steel	T.B.Bastewad, S.H.Thakare, A.N.Nanaware, N.B.Dhokey	IIM-NMD-ATM 2017, International symposium on "Lightweighting for defence, aerospace and transportation, 11-14 Nov 2017, BITS Pillani, Goa	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
10	Review On High Nitrogen Steel (HNS)	A.Upadhye, P.Lalge, N.Shah, N.B.Dhokey, Thomas Tharian	IIM-NMD-ATM 2017, International symposium on "Lightweighting for defence, aerospace and transportation, 11-14 Nov 2017, BITS Pillani, Goa	International
11	Synthesis of AA 7075 – 10W.t% Graphite Composites	N.S. Nevase, S.S. Padwal, A.C. Vishwakarma, N.B. Dhokey	IIM-NMD-ATM 2017, International symposium on "Lightweighting for defence, aerospace and transportation, 11-14 Nov 2017, BITS Pillani, Goa	International
12	Evolution of Tertiary Carbides and Its Influence on Wear Behavior, Surface Roughness and Fatigue Limit of Die Steels (Conference Proceeding)	Prof. N.B. Dhokey, T. Shinde	Proceedings of Fatigue, Durability and Fracture Mechanics, Jan 2018	International
13	Use of high-speed photography to track and analyze melt pool quality in selective laser sintering (Conference Proceeding)	Prof. M.J. Rathod, P.P. Rege, Sourin Ghosh	2nd International Conference on Computer Vision and Image Processing, 12 April 2018	International
14	Oxidation behavior of LTA/YSZ intermixed layer coating (Book Chapter)	Prof. S.T. Vagge, P. Purohit	Production, Properties, and Applications of High Temperature Coatings, January, 2018	International

Research Publications July 2018 to June 2019

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
	Nil			



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Dissolution and Erosion Behavior of AISI H13 Shot Sleeve in High Pressure Die Casting Process	Hardik Vachhani, Manoj Rathod	Engineering Failure Analysis	International
2	Effects of conductive polymers (type and concentration) in coatings with zinc particles of different shapes	M. Kohl, Andrea Kalendová, Pravin Pralhad Deshpande, E. Schmidová	Journal of Coatings Technology and Research	International
3	Comparative study on hot deformation behaviour of P91, RAFM-CLAM and Low C RAFM-CLAM steels by processing maps	Naimish S.Shah, Jayanta K.Chakravartty, ApuSarkar	Fusion Engineering and Design	International
4	Studies of wear behavior and DBTT in subzero regimes of cryo treated High Nitrogen Martensitic Stainless Steel (HNMS)	Naimish Shah, Kapil Arora, Narendra Dhokey, N. Praveen Kumar, K. T. Tharian	Transactions of the Indian Institute of Metals	International

National Conference				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Nil			

International Conference				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1.	Effect of process variables on porosity and structure properties of PM sintered steel	Sardey Rigved Pravin, Jin Yang, Jose Antonic Calero, Narendra Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
2	Harvesting energy from waste heat by thermoelectrics of transition metal silicides An overview	V. S. Poddar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
3	Development of eutectic high entropy alloy CoCrFeNiMx synthesised from elemental powders through arc melting route	S B Gore, V. S. Poddar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
4	Modificatin of surface topography of irregular shape iron powder by mechanical alloying	Jay Runwal, Revati Ambekar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
5	Overview on manufacturing of reduced iron powder from mill scale	P C Jikar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
6	Characterization of intrinsic n-type thermoelectric materials CoSi ₂ and Mg ₂ Si synthesized by powder matallurgy	Neha Vemula, Sayali Patil, N B Dhokey, V S Poddar	APMA 2019 5th international conference on Powder Metallurgy	International
7	Modelling of oxidation phenomenon of mill scale and experimental analysis of influencing parameters	R. Sabban C. Tadwarkar, P C Jikar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
8	Investigation on Ta doped PZT95/5 ferroelectric ceramics for pulsed power applications	Priyangi Karanjikar, Praveen Kumar, S P Buttee, K R Kamble	APMA 2019 5th international conference on Powder Metallurgy	International
9	Evaluation of machining performance of PM fabricated NBC reinforced HSS tool insert	Vijay Thavle, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
10	Synthesis of Al 7075-B4C composite by hot press sintering method and its wear response	S U Dangarikar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
11	Heat treatment and mechanical properties sintered medium carbon steel B4C mechanical alloy	Ranjeet Shirole, Shahanawaz Khan, K R Kamble, S P Buttee	APMA 2019 5th international conference on Powder Metallurgy	International
12	Investigation on the mechanism of synthesis of Zinc Niobate precursor by CO-precipitation method	Nikhil P. Sileum, Ajinkya Ghorpade, S P Buttee, K R Kamble	APMA 2019 5th international conference on Powder Metallurgy	International
13	Effect of sintering method on the densification, microstructure and dielectric behavior of A/N ceramics	Akash Mahajan, K R Kamble, S P Buttee	APMA 2019 5th international conference on Powder Metallurgy	International



Production Engineering and Industrial Management Department

Sr. No	Years	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	07	07	11	21	46
2	2015-16	--	05	--	12	17
3	2016-17	08	08	02	36	54
4	2017-18	03	03	02	11	19
5	2018-19	02	02	02	18	24
	Total	20	25	17	98	160

Research Publications June 2014 to July 2015

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
1	A comparative experimental study on fast hole Near Dry EDM of Stavax with different dielectric coupled with Surface Response Curves	Shrikant Lathkar, Rajiv B., Dr B B Ahuja and Dr S, K, Basu.	Journal of Manufacturing Technology Today, August Issue ISSN: 0972-7396 Pages : 3-11	National
2	Variable Loading Pin-on-Plate Reciprocating Sliding Tribometer [VLPOPRST] (Published)	B. B. Ahuja S. M. Patil S. H. Mhatre	Issue No. 42/2014, 17th October 2014 The Patent Office Journal, India Pages : 6309	National
3	Improving Product life through Ferographic Condition Monitoring	Ananda Gholap, M.D.Jaybhaye	The Institution of Engineers (I) PLC, Technocal Journal Vol. 38 Nov. 2014 ISBN No. 978-81-924990-2-4 Pages : 324-328	National
4	Wear Debris Analysis for A Machine Tool Gearbox (Multi-Spindle Automat AS3 Using Direct Reading Ferrography	J.S. Karajagikar, B. U. Sonawane	The Institution of Engineers (I) PLC, Technocal Journal Vol. 38 Nov. 2014 ISBN No. 978-81-924990-2-4 Pages : 300	National
5	Setup Time reduction on Press using SMED and Quick Changeover Philosophy - :A case study,	Rajesh Dhake, B.E. Narkhede, N. R. Rajhans,	”, Industrial Engineering Journal, Vol. VII, Issue 10, Oct 2014 Pages : 05-13.	National



Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
6	Mathematical Model for calculating Inventory carrying cost,	N.R. Rajhans, S.B. Patil, Preeti Kulkarni,	"IIIE Journal Vol. VIII, Issue No. 1 Jan 2015, Pages : 12-14	National
7	Supplier Selection in manufacturing Industry using TOPSIS,	N.R. Rajhans, Shantanu Barshikar,	Industrial Engineering Journal, Vol. VIII, issue No.3 , March 2015 Pages : 38-42.	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
1	"Pooled Error Mapping of Probe Type Coordinate Measuring Machine"	V.A.Kulkarni, B. B. Ahuja, A V Mulay	International Journal of Scientific and Engineering Research Vol.6, Issue 1, January 2015, ISSN 2229-5518	International
2	"Statistical Performance Analysis of Zirconia-Dolerite Ball Plate for Dimensional Stability"	V.A.Kulkarni, B. B. Ahuja	International Journal of Innovation Technology and Exploring Engineering (IJITEE), March 2015 Vol. 4 Issue-10, ISSN 2278-3075 Pages : 34-37	International
3	"Autocorrelation of Zirconia – Dolerite Ball Plate Artifact" International	V.A.Kulkarni, B.B.Ahuja	Journal of Mechanical Engineering Research (IJMER), Vol 3, Issue 1, March 2015,	International
4	Identifying Location Of Maximum Interface Pressure In Bedridden Patient –A Comparative Study, ,	Sachin S. Shinde, Neela R. Rajhans,	International Journal of Advanced Technology in Engineering and Science www.ijates.com Volume No.03, Special Issue No. 02, February 2015 ISSN (online): 2348 – 7550 Pages : 113-121.	International
5	Performance evaluation of an engine assembly line through simulation	Hole V.J 1, a, N.R.Rajhans	Applied Mechanics and Materials Vol. 612 (2014) pp 111-115 (2014) Trans Tech Publications, Switzerland doi: 10.4028/www.scientific.net/AMM.612.111	International



Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
6	Optimizations and prediction of grinding wheel wear in cylindrical grinding,	Shubham Sanjay Nagori*, Yadav Omprakash Bhaskar and N.R. Rajhans	VSRD International Journal of Mechanical, Civil, Automobile and Production Engineering, Vol. V Issue VI June 2015 / 1 e-ISSN: 2249-8303, p-ISSN: 2319-2208	International
7	Identifying Weightages Based on World Bank Data	N.R. Rajhans*, Umesh Kumar Sabat,	Journal of Production Research & Management ISSN: 2249-4766(online), ISSN: 2347-9930(print) Volume 5, Issue 1, www.stmjournals.com	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ Year/ ISSN No./Page No.	National/ International
1	"Opportunities and challenges in Product Life Cycle Management"	Ankita Mishra, Gauri Maske, M. R. Dhanvijay	National Seminar on "Opportunities and challenges in Product Life Cycle Management", organized by IEI, PLC, 30-31 Aug, 2014	National
2	"Activity Based Manufacturing Management"	Jayant Karajagikar and Apurv Sahastrabudhe	National Seminar on "Opportunities and challenges in Product Life Cycle Management", organized by IEI, PLC, 30-31 Aug, 2014	National
3	POKA-YOKE Auto Checking System for B-Pillar Assembly Component	P.V. Bhamare, Rajiv B, Mr. B. N. Sadavarte	6th National Conference on Multidisciplinary Research on Science and Engineering (NCMRSC), 5th to 6th June 2015 Pages : 231-241	National
4	Design and development of computer controlled electro-mechanical mount for maneuvering an astronomical telescope (Awarded Best paper of Conference)	Sanket Garade and Dr Rajiv B.	6th National Conference on Multidisciplinary Research on Science and Engineering (NCMRSC), 5th to 6th June 2015 Pages : 254-260	National



Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
5	Improving Computer Workstation design to reduce musculoskeletal disorder: Rotatable desktop and adjustable screen mechanism	Gauri Maske , Dr. N. R. Rajhans,	, IE (I) Annual Conference 2014 Annual Technical Papermeet-2014	National
6	Modifications in chair design allowing body movements while working for long hours,	Ankita . S. Mishra , Chetana . S.Bharambe , Dr . N. R. Rajhans	Annual Technical Paper meet-2014	National
7	Reduction in overall Changeover Time in General Motors”,	Ajinkya Jadhav, N.R. Rajhans, Vinayak Angane	National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	National
8	Simulation as a tool for decision making- a case study , ,	Dhiraj M. Patil, Tejas Patil, Rajesh Dhake, Prakash Vaidya,N.R. Rajhans,”	National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	National
9	Pugh Matrix as tool for layout evaluation- a case study”,	Tejas Patil, Dhiraj M. Patil, Rajesh Dhake, Prakash Vaidya,N.R. Rajhans	National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	National
10	“Reduction in Line Process Time and Balancing in General Motors”, ,	Deepti Morkar, N.R. Rajhans	National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	National
11	Application of Value Stream Mapping in boiler manufacturing plant,	Akash Arun Chavan, Dr. Mrs.N.R.Rajhans	, National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	National

International Conferences



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Investigation of the effects of process parameters on material removal rate and Tool wear rate during wet & near-dry EDM process	Padmaja Tripathy, K P Maity Rajiv B	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, Dec 12-14 2014 Pages : 148-1 to 148-6	International
2	Optimisation of hard turning of M 42 tool steel using TOPSISPCR	Rajiv B., P.D.Pantawane & Sagar Bhise	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, Dec 12-14 2014 Pages : 325-1 to 325-6	International
3	Decision Making Using Analytical Hierarchical Process(Ahp) For Selection Of Best Suitable Aintenance Method For Multispindle Automat As32	J.S. Karajagikar, B. U. Sonawane	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, Dec 12-14 2014 Pages : 585-1 to 585-5	International
4	Study and Analysis of Metallized electrode fabricated with FDM Rapid Prototyping technique for Electro discharge machining (EDM)	Sawan Fefar, J.S. Karajagikar	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, Dec 12-14 2014 Pages : 171-1 to 171-7	International
5	Physical Replication of Human Bone using Direct integration of Reverse Engineering and Rapid Prototyping Techniques	Mr. Nikhil Kumbhar, Dr. (Mrs.) Arati Mulay, Dr. B.B.Ahuja	The 5th International and 26th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014) at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, December 12-14, 2014 Pages : 189-1-5	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
6	"Development Of Patient Specific Implants For Minimum Invasive Spine Surgeries (MISS) From Non-Invasive Imaging Techniques By Reverse Engineering And Additive Manufacturing Techniques"	V.N.Chougule, A.V.Mulay, B.B.Ahuja	12th GLOBAL CONGRESS ON MANUFACTURING AND MANAGEMENT, GCMM 2014 8th-10th Dec, 2014, VIT University, Vellore Pages : 212-219	International
7	Degraded Performance Analysis of Phased Mission System	Manmohan Singh, M.D. Jaybhaye, S.K.Basu	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 Dec 12-14 2014. Pages : 278-1 to 278-6	International
8	Resistance Welding of Austenitic Stainless Steel (AISI 304 with AISI 316)	A.B. Verma, S.U. Ghunage, B.B. Ahuja	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 Dec 12-14 2014. Pages : 302-1 to 302-6	International
9	Characterization and Optimization of Electrospun Polyacrylonitrile (PAN) and Polyvinylidene Fluoride (PVDF) Nanofibers	Ankit Choudhary, B.B.Ahuja	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 Dec 12-14 2014. Pages : 141-1 to 141-6	International
10	Experimental Investigations For Al ₂ O ₃ Ceramic Micro Machining Using Ecdm Process	Anjesh Sahasrabudhe, B.B.Ahuja	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 Dec 12-14 2014. Pages : 182-1 to 182-5	International
11	Development of Experimental Setup of Metal Rapid Prototyping Machine Using Selective Laser Sintering Technique	S. N. Patil A. V. Mulay B. B. Ahuja	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015- The Hilton Chennai, India IE Springer (Mechanical Series C) Pages :	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
12	Surface Roughness Measurement of Parts Manufactured by FDM Process Using Light Sectioning Vision System.	A. S. Kelkar N. N. Kumbhar A. V. Mulay	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015- The Hilton Chennai, India IE Springer (Mechanical Series C) Pages :	International
13	Post processing methods used to improve surface finish of products which are manufactured by Additive Manufacturing (AM) technologies – A review	N. N. Kumbhar A. V. Mulay	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015- The Hilton Chennai, India IE Springer (Mechanical Series C) Pages :	International
14	Methodologies for Development of Patient Specific Bone Models from Human Body CT Scans	V. N. Chougule A. V. Mulay	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015- The Hilton Chennai, India IE Springer (Mechanical Series C) Pages :	International
15	The Function-Failure Matrix of Barge Loader by Mapping Component Functionality and Failures	M.N.Shaikh , B.B.Ahuja , B.Rajiv	International Conference on Design, Manufacturing and Mechatronics (ICDMM 2015) Feb 11-13, 2015 Pages : 1-5	International
16	Measurement of Surface roughness using Non-Contact Vision Based Technique	Satwik Kulkarni Abhinav Joshi Arati Mulay	4th International Conference on Advances in Metrology – AdMet2015, 25-27 Feb, 2015	International
17	A Parametric Study if Single Lap Hybrid (Adhesive and Bolted) joint of composite and aluminium under Tensile Loading	Mahesh J. Patil, B.B.Ahuja	Feb 26-28, 2015 International Conference on Recent Advnaces in Mechanical Engineering (ICRAME-2015) Organised by Department of Mechanical Engg., G. H. Raisoni College of Engineering and Management, Wagholi, Pune Pages : OEM-10	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
18	A Study of Overall Equipment Effectiveness (OEE) of 5 Axes CNC Die Finishing Machine	Amit Nanal, Dr. Rajiv B.	Feb 26-28, 2015 International Conference on Recent Advnaces in Mechanical Engineering (ICRAME-2015) Organised by Department of Mechanical Engg., G. H. Raisoni College of Engineering and Management, Wagholi, Pune Pages : PI-06	International
19	Design and Development of Glass Cleaning Robot	Ritesh G. Mahajan, S. M. Patil	Feb 26-28, 2015 International Conference on Recent Advnaces in Mechanical Engineering (ICRAME-2015) Organised by Department of Mechanical Engg., G. H. Raisoni College of Engineering and Management, Wagholi, Pune Pages : PI-15	International
20	Research on Laser Welding of Aluminium and Steel Alloys with Process Models	Vishwesh Kulkarni, S. U. Ghunage	Feb 26-28, 2015 International Conference on Recent Advnaces in Mechanical Engineering (ICRAME-2015) Organised by Department of Mechanical Engg., G. H. Raisoni College of Engineering and Management, Wagholi, Pune Pages : PI-27	International
21	Optimization of heat generation in internal cylindrical grinding,	Nagori Shubham,, Omprakash Yadav, N. R. Rajhans	Proceedings of 29th IRF International Conference, 21st June 2015, Pune, India, ISBN: 978-93-85465-41-	International

Research Publications July 2015 to June 2016

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
	NIL			



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
1	Performance Enhancement of ECDM Process on Al ₂ O ₃ Ceramics using Tubular Tool	M. R. Dhanvijay, B.B.Ahuja	International Journal of Scientific Engineering Research (IJSER), Vol 6, Issue 7, July 2015, Pages 369-373	International
2	“Patient Specific Bone Modeling for Minimum Invasive Spine Surgery”	V.V.Chougule Dr. A V Mulya Dr. B B Ahuja	J. Spine 4: 249 doi:10.4172/2165-7939.1000249 Vol 4, Issue 4, 13 August 2015	International
3	Experimental investigation on suitability of electrolytes for electrochemical Micromachining of titanium	Sandip S. Anasane and B. Bhattacharyya	The International Journal of Advanced Manufacturing Technology ISSN 0268-3768 DOI 10.1007/s00170-015-8309-2, Springer, Published online 18 January 2016	International
4	Optimisation of dressing process parameters for internal cylindrical grinding	Shubham Sanjay Nagori, Yadav O. Bhaskar, N.R. Rajhans	Manufacturing Technology Today, Vol. 14 No. 10 October 2015 ISSN: 0972 – 7396, page 3-8	International
5	Heuristic Based Transportation Routing and Sizing	Ankita Mishra , NR Rajhans, Amit Pingle	Journal of Production Research & Management ISSN: 2249-4766(online), ISSN: 2347-9930(print) Volume 5, Issue 3 www.stmjournals.com	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ ISSN No./Page No.	National/ International
	NIL			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Development of Experimental Setup of Metal Rapid Prototyping Machine Using Selective Laser Sintering Technique	S. N. Patil A. V. Mulya B. B. Ahuja	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015- The Hilton Chennai, India	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
2	Surface Roughness Measurement of Parts Manufactured by FDM Process Using Light Sectioning Vision System.	A. S. Kelkar N. N. Kumbhar A. V. Mulay	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015-The Hilton Chennai, India	International
3	Post processing methods used to improve surface finish of products which are manufactured by Additive Manufacturing (AM) technologies – A review	N. N. Kumbhar A. V. Mulay	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015-The Hilton Chennai, India	International
4	Methodologies for Development of Patient Specific Bone Models from Human Body CT Scans	V. N. Chougule A. V. Mulay	International Conference on Additive Manufacturing, 3D Printing& 3D Scanning (ICAM-3D), 6-7 Feb,2015-The Hilton Chennai, India	International
5	Measurement of Surface roughness using Non-Contact Vision Based Technique	Satwik Kulkarni Abhinav Joshi Arati Mulay	4th International Conference on Advances in Metrology – AdMet2015, 25-27 Feb, 2015	International
6	An Automated Acupressure Glove For Stress & Pain Relief Using 3D Printing	Anjali P Rajan Dr. A V Mulay Dr. B B Ahuja	5th International Conference & Exhibition on Additive Manufacturing Technologies - AM 2015 - Bangalore, INDIA, 7-8 September, 2015	International
7	Comparison of Geometrical Errors in Near Dry EDM with Conventional EDM while Drilling Micro Holes with High Aspect Ratio on EN-42	Shrikant Lathkar, Rajiv B. B B Ahuja, S.K.Basu	December 10 - 12, 2015 9 th International Conference on Precision, Meso, Micro and Nano Manufacturing (COPEN9-2015), Organized by Department of Mechanical Engineering, Indian Institute of Technology (IIT), Bombay	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
8	Effect Of Cryogenic Treated Electrodes On Process Parameters In Rapid Drill Edm Process	Renu Shahstri, M N Shaikh, Rajiv B.	December 10 - 12, 2015 9 th International Conference on Precision, Meso, Micro and Nano Manufacturing (COPEN9-2015), Organized by Department of Mechanical Engineering, Indian Institute of Technology (IIT), Bombay	International
9	Tribological Analysis of PTFE and UHMWPE Bio-Materials in Multi-Directional Sliding Using Bi-Directional Pin-On-Plate Reciprocation under Dynamic Loading	Pranay Pawar, Sudhir Patil	December 10 - 12, 2015 9 th International Conference on Precision, Meso, Micro and Nano Manufacturing (COPEN9-2015), Organized by Department of Mechanical Engineering, Indian Institute of Technology (IIT), Bombay Paper No. 325	International
10	Fabrication of microslots on titanium by electrochemical micromachining.	Sandip S. Anasane and B. Bhattacharyya	December 10 - 12, 2015 9 th International Conference on Precision, Meso, Micro and Nano Manufacturing (COPEN9-2015), Organized by Department of Mechanical Engineering, Indian Institute of Technology (IIT), Bombay Paper No. 104	International
11	Identifying and prioritizing ergonomic needs of staff transportation buses	Vaidehi Kale, Pranita Madke, Dr. N. R. Rajhans	HWWE 2015, 7-9 Dec 2015, IIT B	International
12	Skin-Bed Interface Pressure on Standard Hospital Mattress for Sitting, Prone and Supine Posture in Healthy Adults	Sachin Shinde , Dr. Neela Rajhans	HWWE 2015, 7-9 Dec 2015, IIT B	International



Research Publications July 2016 to June 2017

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
1	Implementation of six sigma methodology for productivity improvement	Dipti Morkar, N.R. Rajhans, Vinayak Angane	Industrial Engineering Journal, Vol IX, Issue 7, July 2016, p 23 to 31. ISSN 09702555	National
2	Forecasting of renewable Electricity Generation using Time-series forecasting methods	Tushar Prabhu, Ameya Pathak, N.R. Rajhans	Industrial Engineering Journal, Vol IX, Issue 8, Aug. 2016, p 42-46 ISSN 09702555	National
3	Effective Utilization of Manpower in Outside Services for Manufacturing Firm,	Ajinkya Jadhav, Dr. Mrs.N.R. Rajhans, Vinayak Angane,	Industrial Engineering Journal, Vol IX, Issue 9, Sept. 2016, p 43-47	National
4	K-means + clarke & wright algorithm for optimization of vehicle mounted drinking water purification units	Rajesh Dhake, Dr. Mrs. N.R. Rajhans & Nagesh Bhole	Industrial Engineering Journal, Vol X, Issue 1, Jan.2017, 42-46, ISSN 09702555.	National
5	Study of the behaviour of intermittent demands	Vicky B. Sardar, Dr. (Mrs.) Neela R Rajhans,	Industrial Engineering Journal, Vol. X & Issue No. 2, February - 2017 ISSN 09702555 p 35-39	National
6	Experimental Investigation On Al ₂ O ₃ Ceramics By Powder Mixed Electrochemical Discharge (Pm-Ecdm) Process	M. R. Dhanvijay, B. B. Ahuja	Manufacturing Technology Today (Published by CMTI, Bangalore) 10-17, Vol. 15, Issue 8, August 2016, ISSN:0972-7396	National
7	Measurement System Analysis of Outside Micrometer for Non-Standard Temperature Conditions	Zubair J. Palkar, V. A. Kulkarni, M. R. Dhanvijay	Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162), Published in Volume 3 Issue 9 , September-2016	National



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
8	CO-PO Mapping and Attainment Booklet for Tier-II students with Rubrics Assessment	V.A. Kulkarni, B. B. Ahuja, M.R. Dhanvijay	Journal of Engineering Education Transformations, Volume 30 , No 3, January 2017, ISSN 2349-2473, eISSN 2394-1707	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
1	Investigation on micromilling of through microslots on titanium by electrochemical micromachining	Sandip S. Anasane and B. Bhattacharyya	<i>Int. J. Precision Technology</i> , Vol. 6, Nos. 3/4, 2016, 231-247	International
2	Experimental investigation into fabrication of microfeatures on titanium by electrochemical micromachining	Sandip S. Anasane and B. Bhattacharyya	<i>Advances in Manufacturing (Springer)</i> (2016) 4:167-177.	International
3	Experimental study of electroless copper coated on ABS Material used for tooling in EDM machining process	Pawar, P., Anasane, S., Ballav, R., Kumar, A.	<i>Journal of Production Engineering</i> , JPE (2016) Vol.19 (2) 27-32	International
4	Analysis of steam injector and Sparger	D Walunje and Rajiv B	International Organization of Scientific Research page 66-70, Vol. 2, E-ISSN : 2278-1684.	International
5	Drag optimization of Bluff bodies using CFD for Aerodynamic applications	Veeral Thakur, Rajiv B. and Tarun Yadav	International Journal of Computational Engineering Research ISSN (e): 2250 – 3005, pp 25-32, Volume, 07, Issue, 04, April – 2017.	International
6	Lead Component Method: A heuristic for cell formation	Shilpa Samak Kulkarni, Neela Ravindra Rajhans,	Amity Journal of Operations Management Vol 1, Issue 1, Sept 2016, p 77-96 ISSN 09702555	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
7	Design of straightening fixture to control the distortion after welding process	Sagar D. Saigaokar, P. D. Pantawane	International journal of scientific research and development, vol 4, 2016, ISSN (online): 2321 -0613 729-732	International
8	Improved Methodology for Storage and Quick Retrieval of Hard Files using 5s Principles	Ameya Deokar, Prakash Pantawane	International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 5 Issue III, March 2017 IC Value: 45.98 ISSN: 2321-9653 831-837	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ ISSN No./Page No.	National/ International
1	Prioritising and ranking of factors affecting on-time delivery	Digvijay S. Patil and M. R. Dhanvijay	AICTE sponsored National Conference on Innovative Trends in Mechanical and Automobile Engineering (ITMAE), 11-12 Feb 2016	National
2	Floor Mopping Robot	Ms. Sayali Chavan and M. R. Dhanvijay	AICTE sponsored National Conference on Innovative Trends in Mechanical and Automobile Engineering (ITMAE), 11-12 feb 2016, Dept. of Mechanical Engg. MVSR Engineering College, Nadargul, Hyderabad, Telangana.	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1.	Investigations into micro hole generation on titanium by Electrochemical Micromachining using Conical Disc Microtool	Sandip S. Anasane and B. Bhattacharyya	6th International and 27th All India Manufacturing Technology, Design and Research Conference, AIMTDR 2016, December 16-18, 2016, College of Engineering, Pune	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
2	Application of AHP for Design Selection of Rotary Table System	Kalyani V. Kanadkhedkar and Rajiv B.	International Conference on Advanced and Agile Manufacturing and Agile Software Development, 06-07 Oct.2016. SGGS Institute of Engineering and Technology, Nanded	International
3	Motion Bubble Chart for Supply Chain Operation Optimization & Data Visualization for Decision Making	Mahendra Salunkhe and Rajiv B.	International Conference International Conference on Modern Era Research in Mechanical Engineering (MERME-16) in association with Institute of Engineers, India (IEI) Kolkata 29th-30th Sept 2016, RIT Sakharale.	International
4	MQL machining of high carbon high chromium (HCHCr) steel using vegetable oil	Pankaj Gaigole and Rajiv B.	6th International & 27 th 2016 All India Manufacturing Technology, Design and Research Conference from 16th -18th December, 2016 at College of Engineering Pune.- AIMTDR2016 – 839	International
5	Elimination of oil leakage defect in V series Diesel Engines using the Six Sigma Technique	Chaitali Gogare and Rajiv B.	6th International & 27 th 2016 All India Manufacturing Technology, Design and Research Conference from 16th-18th December, 2016 at COEP.- AIMTDR2016 – 1164	International
6	Reliability Analysis of Heat Exchanger Cycle Using Non-Parametric Method	Apurv Kulkarni, Shreyas Badave, Rajiv.B	ICMEAFM 2017 : 19th International Conference on Mechanical Engineering and Applied Fluid Mechanics Dubai, UAE during May, 19-20, 2017.	International
7	Critical Analysis of Heat Exchanger Cycle for Its Maintainability Using Failure Modes and Effect Analysis and Pareto Analysis	Sayali Vyas, Atharva Desai, Shreyas Badave, Apurv Kulkarni, B. Rajiv	ICMEAFM 2017 : 19th International Conference on Mechanical Engineering and Applied Fluid Mechanics Dubai, UAE during May, 19-20, 2017.	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
8	Analysis of Fuel Efficiency in Heavy Construction Compaction Machine and Factors Affecting Fuel Efficiency	Amey Kulkarni, Paavan Shetty, Amol Patil, Rajiv B	ICMEAFM 2017 : 19th International Conference on Mechanical Engineering and Applied Fluid Mechanics Dubai, UAE during May, 19-20, 2017.	International
9	Study of the bias associated with the forecasting of intermittent demands	Vicky B. Sardar, Dr. N.R.Rajhans	58th National Convention and International Conference on Smart Strategies for digital World – Industrial Engineering perspective, Shri Ramdeobaba College of Engineering and Management , Nagpur, 21-22 Oct 2016	International
10	Forecasting of primary energy using time-series forecasting methods	Mr. Tushar Prakash Prabhu, Mr. Ameya Gajanan Pathak, Dr. N.R.Rajhans	58th National Convention and International Conference on Smart Strategies for digital World – Industrial Engineering perspective, Shri Ramdeobaba College of Engineering and Management , Nagpur, 21-22 Oct 2016	International
11	Developments in silicone material for biomedical applications- A review	Vicky B. Sardar, Dr. N.R. Rajhans, Ameya Pathak, Tushar Prabhu,	14th International Conference on Humanizing Work and Work Environment HWWE-2016	International
12	Improvisation of productivity through layout optimization in manufacturing company of planetary gear boxes	Snehal M. Raut, Harshwardhan Vairagade, Vicky B. Sardar, Dr. N. R. Rajhans,	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
13	Optimization of a Gear Manufacturing industry layout using Simulation	Sujata Patil, V.B.Sardar, Dr. Ms. N.R.Rajhans	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016	International
14	Development in Small Scale Multipurpose Fodder Harvester-A Review , NIT Jalandhar 2016	Ameya G. Pathak, Tushar P. Prabhu, Harshal B. Chaudhari and N. R. Rajhans,	14th International Conference on Humanizing Work and Work Environment HWWE-2016	International
15	Optimization of plant layout using simulation software	Mr. Anurag A. Polshettiwar, Mr. Divyesh P. Trivedi, Mr. Vicky B. Sardar, Dr. N R Rajhans,	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune	International
16	Simulation and optimization of layout of sheet metal manufacturing plant	Ameya Y. Deokar, Aniruddha M. Bavdhankar, Ronak R. Degaonkar, Vicky B. Sardar, Dr. N. R. Rajhans,	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016),	International
17	Application of Critical Path Method for Project Scheduling – A Case Study,	Swati Razdan, Mayur Pirgal, Abhishek Hanchate, Mrs. N. R. Rajhans, Vicky Sardar	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	International
18	Inventory Management for a newly started Service Station	Ameya Pathak, Tushar Prabhu, Vicky Sardar, Dr. N. R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
19	Implementation of Operating Characteristic (OC) curve to determine the probability of acceptance along with other parameters for a single-sampling plan.	Soham Mandavkar, Dr. (Mrs.) N.R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	International
20	Renewable Energy: opportunities and constraints in rural areas	Susmita Anil Ukande, Vicky Sardar, Dr. N. R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	International
21	Research on Injection Mould Intelligent Cost Estimation System and Key Technologies	Harshvardhan Maheshwari, Dr. (Mrs.) N.R Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	International
22	Research on Injection Mould Intelligent Cost Estimation System and Key Technologies	Harshvardhan Maheshwari, Dr. (Mrs.) N.R Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	International
23	Studying and Implementation of Electronic Procurement Processes in Organisations	Darshan Maheshwari, Dr (Mrs) N.R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	International
24	Assessment of Human Performance Considering Human Behavior	Gayatri Deshmukh, Kalyani Ikade, Chaitali Tapase, Dr (Mrs) N.R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017.	International
25	Transient response analysis and speed control of an IC Engine	Pooja Deshmukh, Dr. N.R.Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
26	Comparison and Identification of optimum layout using Multi Criteria Decision Making	Deepali Bhadekar, Aishwarya Anbhule, Vicky Sardar, Dr. N R Rajhans,	Vth Annual International conference on Operations Research and Statistics ORS 2017, 6-8 March 2017, Singapore ISSN ISSN 2251-1938 , E- periodical 2251-1946	International
27	Taguchi based Grey Relational Analysis of Al ₂ O ₃ ceramics using Vibro-rotary ECDM Process	M. R. Dhanvijay, B. B. Ahuja, P.P. Chikate	AIMTDR2016-1280, 16/12/2016, 6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016), December 16-18, 2016 at College of Engineering, Pune	International
28	Experimental Investigation of E-Glass Epoxy Composites by Tool Vibrations using ECDM Process,	Jagdish S Sarda, M. R. Dhanvijay, B. B. Ahuja	AIMTDR2016-1145, 17/12/2016, 6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016), December 16-18, 2016 at College of Engineering, Pune	International
29	Investigation on Effect of Non-Standard Temperature in Conventional Micrometer Screw Gauge Dimensional Measurement System Using Statistical Process Control and Capability Analysis	V. A. Kulkarni, M. R. Dhanvijay	AIMTDR2016-1279, 17/12/2016 6 th International & 27 th All India Manufacturing Technology, Design and Research Conference, (AIMTDR2016), December 16-18, 2016 at College of Engineering, Pune	International
30	Distortion reduction strategies for PCD run out of cam shaft gear	V.A. Kulkarni and M. R. Dhanvijay	International Conference on Materials, Manufacturing and Design, Paper No.: iCMMD_paper_ 6, Dr. Babasaheb Ambedkar Technological University, Lonere, 20 th and 21 st December, 2016.	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
31	Process Characterization of Resistance Spot Welding of Dual Phase Stainless (DP600) Steel	S.M. Mule, S.U. Ghunage, B.B. Ahuja	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune AIMTDR2016-1276, Page: 161	International
32	Opportunity Identification for Cost Reduction in Small Commercial Vehicle using Value Analysis	Shantanu Dhanorkar, S.U.Ghunage	AIMTDR2016-1175 Page: 281	International
33	Investigate the Condition of Single Speed Worm Gearbox Using Ferrography and Vibration Analysis	J. S. Karajagikar, Vikas P. Sojitra, B.U.Sonawane	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune,	International
34	A Review on Rapid Tooling for Electro Discharge Machining Process	Savan D Fefar, J.S.Karajagikar	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune,	International
35	Finishing of Fused Deposition Modelling (FDM) Printed Parts by CO2 Laser	N.N. Kumbhar and A.V. Mulay	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) College of Engineering, Pune, Maharashtra, INDIA, (16th - 18th December, pp 63-67, ISBN: 978-93-86256-27-0.	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
36	Improvement of Surface Roughness of FDM Parts (ABS) using Vapour Polishing Technique	Ravikiran Shinde, Sharadchandra Bansode, Sandesh Patil and Dr. Arati Mulay	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) College of Engineering, Pune, Maharashtra, INDIA, (16th - 18th December, 2016), pp 122-125, ISBN: 978-93-86256-27-0.	International

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No	National/ International
1	Process optimization of plastic tap manufacturing company	Divyesh Prakash Trivedi, Dr. B. B. Ahuja & Dr. N. R. Rajhans	Industrial Engineering Journal Volume 10 & Issue No. 10 Oct. 2017, ISSN 0970-2555	National
2	Development of Experimental Setup of Metal Rapid Prototyping Machine using Selective Laser Sintering Technique	S. N. Patil, A. V. Mulay and Dr. B.B.Ahuja	Journal of the Institution of Engineers (India): Series C ISSN 2250-0545, Volume 99 Number 2 DOI 10.1007/s40032-016-0338-6	National
3	Machinability of Cryogenically treated workpiece (AISI M2 HSS) in EDM Process	Bagwan Jameer Khaleel, M. N. Shaikh, Dr. Rajiv B., Dr. B.B.Ahuja	Manufacturing Technology Today (MTT) Journal, ISSN No-09727396 Vol no 17, Page No 3-7	National

International Journals



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Experimental investigation into micromilling of microgrooves on titanium by electrochemical micromachining	Sandip S. Anasane and B. Bhattacharyya	Journal of Manufacturing Processes 28 (2017) (Elsevier)	International
2	Study for Best Data Obfuscation Techniques using Multi-Criteria Decision-Making Technique	Gayatri C. Deshmukh and S. M. Patil	International Journal of Computer Applications Issue No. 43, Volume 180, May 2018 pp. 50-57 ISSN: 0975 – 8887	International
3	Reducing the Number of Quality Defects in a Packaging Film Manufacturing Process using IoT Sensor Data	Aditya Milind Sane and Sudhir Madhav Patil	International Journal of Engineering Trends and Technology (IJETT) Issue 3, Volume 59, May 2018 pp. 127-129 ISSN: 2231 – 5381	International

National Conferences

Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Time study for reduction of set up time in Production Line	Saurabh Dhussa and Dr Rajiv B.	Proceedings of 3rd National Conference on "Research & Developments in Mechanical, Electronics & Civil Engineering"	National
2	Production Ramp up of upper and main Assembly lines of Excavator Manufacturing	Saurabh Sanjay Gawande and Dr Rajiv B.	Proceedings of 3rd National Conference on "Research & Developments in Mechanical, Electronics & Civil Engineering"	National

International Conferences

Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Comparative experimental investigation of cryogenically treated tool and work piece with conventional EDM process	Bagwan Jameer Khaleel, M. N. Shaikh, Dr. Rajiv B., Dr. B.B.Ahuja	International Conference Manufacturing Technology and Simulation 2017 at IIT Madras, Chennai July 6-8, 2017	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
2	Problems associated with Haemodialysis techniques and their prevention measures: a comparative study	Vicky B Sardar, Neela R Rajhans	Indian Institution of Industrial Engineering and International conference on Manufacturing and Industrial Engineering(ICMIE 2017) 14- 16 Sept 2017, JNEC Aurangabad	International
3	Small scale fodder cutter	Ameya G. Pathak, Tushar P. Prabhu, Harashal B. Chaudhari, Dr. Mrs. N. R. Rajhans	Indian Institution of Industrial Engineering and International conference on Manufacturing and Industrial Engineering(ICMIE 2017) 14- 16 Sept 2017, JNEC Aurangabad	International
4	Design of hospital bed with selection using MCDM techniques	Shraddha S Thakare, Dr. Mrs. N. R. Rajhans,	Indian Institution of Industrial Engineering and International conference on Manufacturing and Industrial Engineering(ICMIE 2017) 14- 16 Sept 2017, JNEC Aurangabad	International
5	Effects of Process parameters on machine Vibrations, Cutting Force, Surface Roughness and their co-relations in hard turning on CNC Lathe, , Proceedings of	Abhijit Nakhate, P.D.Pantawane and Rajiv B.	10th International Conference on Precision Meso, Micro and Nano Engineering (COPEN 10) Decbemr 07-09 2017, IIT Madras Chennai	International
6	Experimental Investigation into effect pf Process Parameters in Manufacturing PolymBlend Nanofibers and its morphology	Shubham S. Deore, B.B.Ahuja	10th International Conference on Precision Meso, Micro and Nano Engineering (COPEN 10) December 07-09 2017, IIT Madras Chennai	International
7	Clinical Case Study: Spine Modeling for Minimum Invasive Spine Surgeries (MISS) using Rapid Prototyping	V. N. Chougule, A. V. Mulay, B. B. Ahuja	Proceedings of the 10th International Conference On Precision, Meso, Micro and Nano Engineering (COPEN 10) December 07 – 09, 2017, IIT Madras, Chennai-600036. (India)	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
8	Condition Based Maintenance Modeling using Vibration Signature Analysis	A.B.Gholap and M.D.Jaybhaye	Proceedings of 1 st International and 4 th National Conference on Reliability and Safety Engineering (INCRS-2018), PDPM IIITDM Jabalpur February 26-28, 2018	International
9	Optimal Scheduling of Mining Operations to improve Product Quality	Atul Chavan and M D Jaybhaye	59th National Convention of IIIE and International Conference on Manufacturing and Industrial Engineering (ICMIE-2017) , MGM's JNEC Aurangabad, 14-16 Sept. 2017	International
10	Optimization of Facility Layout for Improvement in Productivity	Vaibhav Nyati, M D Jaybhaye , Vicky Sardar	4th International Conference on Industrial Engineering (ICIE-2017)SVNIT Surat, 21-23 December 2017..ISBN 978-93-86238-39-9	International
11	A TOPSIS method based approach to Vendor Selection	Chaitali M Tapase , M D Jaybhaye	7th International Conference on A Confluence of Trends & Technologies Reshaping Global Business , Feb. 9-10, 2018, Chronicle of the Neville Wadia Institute of Management Studies & Research, Vol. 7, Issue 1, ISSN:2230-9667	International

Research Publications July 2018 to June 2019

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No	National/ International
1	Comparison of Project Scheduling techniques PERT versus Monte Carlo simulation	Pooja Deshmukh and Dr. Mrs. N. R. Rajhans	IEI Journal, Vol. XI & Issue No. 7 July – 2018	National
2	Vertical analysis of the 6m in pfmea to reduce data analysis and improve system performance	N. Thakkar, D. Maheshwari, N. R. Rajhans	IEI Journal Nov. 2018 Vol. XI & Issue No. 11	National



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Prediction of Defects in Axle Production Using Monte-Carlo Simulation,	Harshvardhan Maheshwari , Ameya Pathak, Dr. N.R. Rajhans	International Journal of Engineering Science Invention (IJESI) ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org Volume 7 Issue 12 Ver I Dec 2018	International
2	Insights on Supply chain needs and issues in Indian SMEs	Ganesh Narkhede and N. R. Rajhans	Journal of Industrial and Engineering Chemistry ISSN: 1226-086X Issue Volume 12 Issue 2 Feb 2019	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Simulating Preventive Maintenance Schedule in an Automotive Industry to Reduce Breakdowns	Ashutosh Dharu, Rishika Dutta, Neela Rajhans ,Vicky Sardar	National Conference on Industrial Engineering and Technology Management NCIEM 2018 NITIE, 30 Nov -1 Dec 2018	National
2	Insights on Supply chain needs and issues in Indian SMEs	Ganesh Narkhede and N. R. Rajhans	National Conference on Industrial Engineering and Technology Management NCIEM 2018 NITIE, 30 Nov -1 Dec 2018	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Quantifying Productivity Targets for Direct unionized labor,	Rohit Bhangle, Dr. Neela R. Rajhans	ICIEND - ITER, Bhubaneshwar - 27-30 Sept 2018	International
2	Effect of Learning Curve on Efficiency of Assembly Line	Rohit Bhangle, Dr. Neela R. Rajhans	AEOTIT- SVNIT, Surat - 3-5 August 2018	International
3	Aspects Related to Dialysis Techniques for End Stage Renal Disease	Ameya G. Pathak, Dr. Neela R. Rajhans	HWWE 2018 College of Engineering Trivendram 14-16 Dec 2018.	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
4	Problems Associated With Traditional Harvesting Techniques In India	Ameya G. Pathak, Mr. Vicky B. Sardar, Dr. Neela R. Rajhans	HWWE 2018 College of Engineering Trivendram 14-16 Dec 2018.	International
5	Mechanical Characterization and Process Optimization of PolyJet 3D Printing using Digital ABS with Different Part Geometries	B N Sontakke Dr. B B Ahuja	AIMTDR-2019 College of Engineering Guindy, Anna University, Chennai, Tamil Nadu, India 13-15 Dec 2018.	International
6	A Thermo-Mechanical Finite Element Analysis of Resistance Spot Welding of Dual Phase Steel and Austenitic Stainless Steel	S.U. Ghunage S.M. Rathod B.B. Ahuja	7 th International and 28 th All India Manufacturing Technology, Design and Research Conference 2018 (AIMTDR 2018) at College of Engineering Guindy, Anna University, Chennai Dec 13-15, 2018	International
7	Improvement in Operational Efficiencies by Changing Facility Layout Design	Nilesh B. Bagal, S. U. Ghunage	2nd International Conference On "Manufacturing Excellence" (ICMAX – 2019), at K. K. Wagh Institute of Engineering Education and Research, Nashik on 15 th & 16 th Feb 2019.	International
8	Ergonomics in Hydraulic Lift Table	S.U. Ghunage, D.R. Arawat, J. B. Jacob	Proc. of the 2nd International Conference On "Manufacturing Excellence" (ICMAX – 2019), at K. K. Wagh Institute of Engineering Education and Research, Nashik on 15 th & 16 th Feb 2019	International
9	Workload Balancing of Assembly Line in An Automobile Manufacturing Industry	Ankit Sagwekar, Mrs. Dr. N. R. Rajhans, Naresh Hans	Proc. of the 2nd Int. Conf on Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engg Education and Research, Nashik.	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
10	Lean Manufacturing at Water test	Sumukh Kengar, Dr. N. R. Rajhans	Proc. of the 2nd International Conference on Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.	International
11	Automation in Spot Welding Mechanism of Rocker Panel in Automobile Body Shop	Ketan Deshpande, Prof. Dr. N.R. Rajhans, Nimesh Shah, Ameya Pathak	Proc. of the 2nd International Conference on Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.	International
12	Reduction in Manufacturing Cost by Optimizing the Manual Part Handling System	Dheeraj Sangore, Mrs. Dr. N.R. Rajhans, Nishant Katekhaye	Proc. of the 2nd International Conference on Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.	International
13	Development of Combination Tool for Drilling and Tapping Operation on PVC Polymeric Material	Yogesh Kamble, Dr P D Pantawane, Dr B. Rajiv and Dr. B.B. Ahuja	AIMTDR-2019 College of Engineering Guindy, Anna University, Chennai, Tamil Nadu, India 13-15 Dec 2019.	International
14	Design and development of gesture recognition system for car air vent	Modiksha Madan and Dr B. Rajiv	4th International Conference On Computing, Communication, Control And Automation, I3 A, ,	International
15	Design and development of gesture recognition system for car air vent	Pratiksha Garje and Dr. B. Rajiv	ICIRCA 2018	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
16	Development of Pull out Force Measuring setup for Form Tapped AL 6063 tube over previously friction drilled holes	Yogesh G. Kamble, Rajiv B.	ICMAX2019	International
17	Critical analysis of automobile components by FMEA and Pareto Analysis	Divya Chavan , Dipali Avahale and Dr. B.Rajiv	ICRRM 2019	International
18	Thinking beyond One Dimension	Vivek Patil, Dr. B. Rajiv	ICMAX2019	International



Computer Engineering & Information Technology Department

Sr. No	Name of Department	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	--	08	--	06	14
2	2015-16	--	13	--	10	23
3	2016-17	--	03	--	10	13
4	2017-18	--	13	01	25	39
5	2018-19	--	01	--	30	31
	Total	--	38	01	81	120

Research Publications July 2014 to June 2015

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
1	Analysis and Comparison of Symmetric Key Cryptographic Algorithms Based on Various File Features	Ranjeet Masram, Vivek Shahare, Jibi Abraham, Rajni Moona	International Journal of Network Security & Its Applications, Vol.6, No.4, 43-52, July 2014.	International
2	Survey on Collaborative Filtering Technique in Recommendation System	Omkar S. Revankar, Dr.Mrs. Y.V.Haribhakt	International Journal of Application or Innovation in Engineering & Management (IJAEM) Volume 4, Issue 3, March 2015 ISSN 2319 - 4847	International
3	Game Theory based Incentive Mechanisms in Delay Tolerant Network	Hulke Shailesh Vahida Attar	International Journal of Computer Applications 115.1 (2015). Volume 115 – No. 1, (0975 – 8887)	International
4	Combine Approach of CADs and USHER Interfaces for Document Annotation	Anita Deokar, Vandana Inamdar	" International Journal of Computer Sciences and Engineering, Volume 3, Issue 4, April 2015, pp. 38-54, ISSN: 2347-2693	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
5	Implementing racing application using GPS and GPRS/ GSM device ,	Poonam Bhogade, Vandana Inamdar	International Journal of Scientific and Engineering Research, Volume 6, Issue 5, May -2015, ISSN: 2229-5518	International
6	To develop racing Implementing racing application for real time results calculation using GPS/GSM device	Poonam Bhogade, Vandana Inamdar	" International Journal of Computer Application (0975-8887), Volume 115- No.9, April 2015	International
7	Literature Survey in Natural Language Processing In the Sphere of Relation Extraction	Dr. Y. V. Haribhakta , Bhavika Chheda , Nupur Agrawal , Shrutika Girme	International Journal Of Engineering And Science (IJES) , Volume 3, Issue 7, Pages 01-08, 2014, ISSN (e): 2319 – 1813 ISSN (p): 2319 – 1805, 25 July 2014.	International
8	Data Hiding into Video Using steganography	Poonam Pate, Apurva Varade, Madhuri Aher,Pawan Pate	International Journal of engineering in Computer Science & Engineering(IJERCSE), Vol 2, Issue 2, Feb 2015	International

National Conferences

Sr. No	Title of the Paper	Authors	Publication details/Vol.No./Year/ ISSN No./Page No.	National/ International
	NIL			

International Conferences

Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Development of 3D-CFD code for Heat Conduction Process using CUDA	Yogesh D. Bhadke, Manik R. Kawale, Dr. Vandana Inamdar	IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014), August 01-02, 2014, Dr. Virendra Swarup Group of Institutions, Unnao, India	International
2	Multiple Kernel Learning for Stock Price Direction Prediction	Amitkumar Shirohi, Vahida Attar	IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014),978-1-4799-6393-5/14/\$31.00 ©2014 IEEE	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
3	Parallel Implementation of Eigenface on CUDA	Manik Kawale, Yogesh Bhakke and vandana inamdar	IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014), August 01-02, 2014, Dr. Virendra Swarup Group of Institutions, Unnao, India	International
4	Health Track: Health Monitoring and Prognosis System using Wearable Sensors	Jagannath Aghav, Smita Sonawane, Himanshu Bhamblani	IEEE International Conference on Advances in Engineering and Technology Research (ICAETR-2014), Unnao, India, August 1-2, 2014	International
5	Health Track: Health Monitoring and Prognosis System using Wearable Sensors	J Aghav, S Sonawane, H Bhamblani	IEEE International Conference on Advances in Engineering and Technology Research (ICAETR-2014), August 2014.	International
6	Development of 3D-CFD code for Heat conduction process using CUDA	Yogesh D. Bhadke, Manik R. Kawale, Dr. Vandana Inamdar	IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014), August 01-02, 2014, Dr. Virendra Swarup Group of Institutions, Unnao, India	International

Research Publications July 2015 to June 2016

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
1	Survey on Collaborative Filtering Technique in Recommendation System	Omkar S. Revankar, Dr.Mrs. Y.V.Haribh akta	International Journal of Application or Innovation in Engineering & Management (IJAEM) Volume 4, Issue 3, March 2015 ISSN 2319 – 4847	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
2	Game Theory based Incentive Mechanisms in Delay Tolerant Network	Vahida Attar Shailesh Hulke	International Journal of Computer Applications 115.1 (2015). 0975 – 8887	International
3	Personality document similarity and search	V K Khataavkar Rohan Karhadkar, Trupti Pimparkar, Shivraj Wable	International Organization of Scientific Research Volume 1 Issue 2 60-72	International
4	Implementing racing application using GPS and GPRS/ GSM device ,	Poonam Bhogade, Vandana Inamdar	International Journal of Scientific and Engineering Research, Volume 6, Issue 5, May -2015, ISSN: 2229-5518	International
5	To develop racing Implementing racing application for real time results calculation using GPS/GSM device	Poonam Bhogade, Vandana Inamdar	" International Journal of Computer Application (0975-8887), Volume 115- No.9, April 2015	International
6	Data Hiding into Video Using steganography	Poonam Pate, Apurva Varade, Madhuri Aher,Pawan Pate	International Journal of engineering in Computer Science & Engineering(IJERCSE), Vol 2, Issue 2, Feb 2015	International
7	Interactive Response System (IRS) with Text & Call Support in Contact Center Application	V. K. Pachghare Pratik Ghatge	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)	International
8	Design of an efficient automation framework for the Web application	V. K. Pachghare Akshay Lakhotia	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 5, Issue 5	International
9	Microservices Architecture for Cloud Computing	V. K. Pachghare	Journal of Information Technology and Sciences Volume 2 Issue 1	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
10	Security Mechanisms in Wireless Network	V. K. Pachghare	Journal of Information Technology and Sciences Volume 2 Issue 2	International
11	Fit-o-meter: A mobile health assistant	S.S.Kumbhar Ashwini U. Joshi, Aishwarya J. Malpani, Bhagyashree S. Modi	International Journal of Computer Engineering and Applications, Volume X, Issue V, May 16	International
12	Personality Based Recommendation System Using Social Media	S.S.Kumbhar Sachin Manohar Gaikwad	International Journal on Recent and Innovation Trends in Computing and Communication Volume: 4 Issue: 6	International
13	Survey on Genome Sequencing Assembler	Nachiket D. More, Pravin F. Pawar, Prof. Satish S. Kumbhar	International Journal of Emerging Trends in Engineering and Development Issue 5, Vol.4	International

National Conferences

Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.	National/ International
	NIL			

International Conferences

Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Exploration of Covert Schemes and Their Embodiments in Hybrid Covert channel -Deep Insight into Covert Channel	Jibi Abraham Anjan K Srinath N K	Second International Conference On Advances in Computing, Control and Networking - ACCN 2015 82-86	International
2	Cascket: A Binary Protocol based C-Client-driver for Apache Cassandra	Jibi Abraham Sarang Karpate, Abhishek Joshi, Javed Dosani	Fourth International Conference on Advances in Computing, Communications and Informatics (ICACCI-2015)	International
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International



3	A zero-copy fast channel for inter-guest and guest-host communication using virtIO-serial	Jibi Abraham Jobin George, Pratik Lahoti, Sagar Patni	International Conference on Next Generation Computing Technologies (NGCT-2015)6-9	International
4	Optimizing Response Time and Synchronization in User Virtualization Via Adaptive Memory Compression	Jibi AbrahamMa yank Kulkarni, Rushikesh Ghatpande, Nikunj Karnani	Fourth International Conference on Advances in Computing, Communications and Informatics (ICACCI-2015) 469-477	International
5	Automated Question Generation tool for structured data	Vahida Attar, Gaikwad, S., Asodekar, R. Gadia, S.	Advances in Computing, Communications and Informatics (ICACCI), 2015 International Conference	International
6	AGRI-QAS question-answering system for agriculture domain	Vahida Attar, Shirude, A. Totala, S. Nikhar, S	Advances in Computing, Communications and Informatics (ICACCI), 2015 International Conference	International
7	CPU Load Analysis & Minimization for TCP SYN Flood Detection	D D Kshirsagar	Elsevier International Conference on "Computational Modeling and Security"	International
8	Performance Analysis of DoS LAND Attack Detection	D D Kshirsagar	Elsevier International Conference on "Recent Trends in Engineering and Material Sciences"	International
9	Distributed Intrusion Detection System for TCP Flood Attack	D D Kshirsagar	Springer International Conference on "Intelligent Communication, Control and Devices"	International
10	Comparison of significant issues in multicore cache coherence	Amit D Joshi	International Conference on Green Computing and Internet of Things (ICGCIoT). IEEE Computer Society, 2015 IEEE	International

Research Publications July 2016 to June 2017

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
	NIL			



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
1	Product Rating using Opinion Mining	Sunil B. Mane, Kruti Assar, Priyanka Sawant, Monika Shinde	International Journal of Computer Engineering In Research Trends Volume 4, Issue 5, May-2017, pp. 161-168 ISSN (O): 2349-7084 May 2017	International
2	Authentic Techniques Of Authentication In Microservices	Shagufta N. Shaikh, Sunil B. Mane	International Journal of Current Advanced Research Volume 6; Issue 4; April 2017; Page No 3342-3345	International
3	Detection of Diabetic Retinopathy using Image Processing and Machine Learning.	Salman Sayed , Vandana Inamdar, Sangram Kapre	International Journal of Innovative Research in Science, Engineering and Technology Jan 2017	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.	National/ International
	NIL			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	HTTP Flood Attack Detection using Ontology	D D Kshirsagar	ACM International Conference on "Advances in Information Communication Technology and Computing"	International
2	Performance Analysis of Cache Coherence Protocols for Multi-core Architectures: A System Attribute Perspective	Amit D Joshi	International Conference on Advances in Information Communication Technology & Computing ACM	International



Estd-1854

College of Engineering Pune

Forerunners in Technical Education



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
3	Parallelization of Vertical Search Engine using Hadoop and MapReduce	Amit D Joshi	International Conference on Advances in Information Communication Technology & Computing ACM	International
4	A Survey on Performance of On-Chip Cache for Multi-core Architectures	Amit D Joshi	International Conference on Informatics and Analytics ACM	International
5	High-radix Modular Exponentiation for hardware implementation of Public-Key Cryptography	Amit D Joshi	International Conference on Computing, Analytics and Security Trends (CAST) IEEE	International
6	Design of a Reconfigurable Embedded Data Cache	Amit D Joshi	IEEE International Conference on Computing, Analytics and Security Trends (CAST) IEEE	International
7	Distributed Face Recognition Using Hadoop	Amit D Joshi	2nd International Conference on Communication and Signal Processing (ICCASP 2016) Atlantis Press	International
8	Performance Recognition of Phoneme Recognition using GPUs	Amit D Joshi	2nd International Conference on Communication and Signal Processing (ICCASP 2016) Atlantis Press	International
9	Secure and Efficient Message Passing in Distributed Systems using One-Time Pad	Amit D Joshi	IEEE International Conference on Computing, Analytics and Security Trends (CAST) IEEE	International
10	Distributed Data Aggregation with Privacy Preservation at Endpoint	Jibi Abraham	ACM International Conference on Management of Data (COMAD 2017)	International

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISS No./ Page No.	National/ International
	Nil			

International Journals



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Deep learning approaches for video-based anomalous activity detection	K. Pawar and V. Attar	World Wide Web, 2018, DOI: https://doi.org/10.1007/s11280-018-0582-1	International
2	Sentiment Analysis of Twitter Data	1Mr. Satish Kumbhar, 2 Ashwini Lohar, 3Pratiksha Sheth, 4 Sayli Talathi	International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSC) ISSN: 2454-4248 Volume: 4 Issue: 4576–578	International
3	Comparative study of machine learning algorithms for anomaly detection in Cloud infrastructure	1Mr. Satish Kumbhar, 2Nikita Paranjape, 3Rasika Bhawe, 4Akshay Lahoti	International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSC) ISSN: 2454-4248 Volume: 4 Issue: 4596–598	International
4	nQuery-A Natural language generator to SQL query generator	Dr. Y.V. Haribhakta	Association for Computational Linguistics(ACL), 2017, https://doi.org/10.18653/v1/P17-3004	International
5	“Matsar” Sentiment Analysis	Dr. Y.V. Haribhakta	International Journal of Scientific Research in Computer Science, Engineering and Information Technology ISSN : 2456-3307	International
6	Parts of Speech Tagger for Pali Language	Dr. Y.V. Haribhakta	International Journal of Scientific Research in Computer Science, Engineering and Information Technology ISSN : 2456-3307	International
7	Categorization of News Articles using Sentiment Analysis	Dr. Y.V. Haribhakta	International Journal of Scientific Research in Computer Science, Engineering and Information Technology ISSN : 2456-3307	International

Sr.	Title of the Paper	Authors	Publication Details /Vol.	National/
------------	---------------------------	----------------	----------------------------------	------------------



No			No. /ISSN No./ Page No.	International
8	Data Sharing & Discussion Portal: A Literature Review	Bhagyashri Kshirsagar, Ravishankar Purne, Sanket Unche, Rahul Adhao	IJSRD - International Journal for Scientific Research & Development Vol. 6, Issue 02, 2018 ISSN (online): 2321-0613	International
9	Using Arduino And Wifi With Rssi To Control Led: An Iot Based Approach	V. K. Pachghare	International Journal Of Innovative Research In Technology, July 2017 IJIRT Volume 4 Issue 2 ISSN: 2349-6002	International
10	Host Based Intrusion Detection System Using Decision Tree and Naïve Bayes Algorithms	1) Atul Rathod 2) Shubham Singh 3)Abhijeet Mahadulle 4) Rahul B Adhao	Journal of Computer Based Parallel Programming MAT Journal	International
12	Survey on Municipal Waste Collection Management in Smart City	Tanuja Pattanshetti	International Journal of Engineering and Technology	International
13	Rubber Viscosity Variation Reduction using Advanced Predictive Analytics	Dr. V. Z. Attar K. Niyazi	International Journal of Computational Intelligence Research (IJCIR)	International

National Conferences

Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	NIL			

International Conferences

Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Short Term Stock Price Prediction using Deep Learning	K. Khare, O. Darekar, P. Gupta and V. Attar	2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), IEEE, 2017	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
2	Automated Quiz Generator	A. Bongir, V. Attar and J. Ramanand	3rd International Symposium on Intelligent Systems Technologies and Applications (ISTA), Springer AISC, 2017	International
3	Sentiment Analysis of Social Media and Web Data using Machine Learning	Dr. Y.V. Haribhakta	International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), Special issue of National Conference on Info Tech, Electronics & Management (NCITEM-2017), 2279-0055	International
4	Survey of performance modeling of big data applications	T. Pattanshetti and V. Attar	2017 7th International Conference on Cloud Computing, Data Science & Engineering - Confluence, Noida, 2017, pp. 177-181. https://doi.org/10.1109/CONFLUENCE.2017.7943145	International
5	Intelligent Based Alarm Management System for Plant Automation	Ahillya Bote, Deepak Kshirsagar, Bimal Shah, Madkaikar, Ashish	3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT - 2018)	International
6	Malware Detection based on String Length Histogram using Machine Learning	Snehalkumar Swaisarje, Vinod Pachghare, Deeapk Kshirsagar	3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT - 2018)	International
7	Improving Network Security: Exploring the Use of Ontology for Detection of HTTP Response Splitting Attack	Deepak Kshirsagar, Kumar Sandeep	The 5th Global Conference on CyberSpace 2017 (GCCS - 2017)	International
8	Two-level diversified classifier ensemble for classification of credit entries	J. V. Aghav	Advances in Intelligent Systems and Computing	International
9	Analyzing Multi-core Cache Coherence Protocols from Energy and Performance Perspective	A. D. Joshi	International Conference on Recent Innovation in Signal processing and Embedded System (IEEE)	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
10	nQuery-A Natural language generator to SQL query generator	Nandan Sukthankar, Pranay Deshmukh, Sanket Maharnawar, Yashodhara Haribhakta, Vibhavari Kamble	Association for Computational Linguistics(ACL), 2017, https://doi.org/10.18653/v1/P17-3004	International
11	Unsupervised Feature Selection using Correlation Score(Presented,yet to be published)	Tanuja Pattanshetti, Dr.Vahida Attar	Third International Conference on Computing ,Communication and Signal Processing	International
12	Performance Evaluation and Analysis of Feature Selection Algorithms(Presented, yet to be published)	Tanuja Pattanshetti,Dr r.Vahida Attar	International Conference on Data Management,analytics and Innovation	International
13	Use of Noun Phrases in identification of a website	V K Khatavkar, Dr Parag Kulkarni	ICCUBEA 17	International
14	Trends in document analysis	V K Khatavkar, Dr Parag Kulkarni	ICDMAI 18	International
15	Comparison of Support Vector Machines with and without Latent Semantic Analysis for Document Classification	V K Khatavkar, Dr Parag Kulkarni	ICDMAI 18	International
16	Document Theme Extraction using Named Entity Relation	V K Khatavkar, Dr Parag Kulkarni, D Nagarale	Third International Conference on Computing ,Communication and Signal Processing	International
17	Feature Reduction in Flow Based Intrusion Detection System	Vinod Pachghare, Deepak Kshirsagar, Gayatri Patil	3rd IEEE International Conference On Recent Trends In Electronics, Information & Communication Technology, 2018	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
18	Scalable Tracking System for Public Buses using IoT Technologies	Rahul Adhao, Jay Lohkare Reshul Dani	IEEE International conference on emerging trends in ICT (ICEI 2017), July	International
19	A Discourse Linking Tool for English Language Texts comprising Lexicon building and Ontology Creation	Yashodhara Haribhakta, Anuja Bawaskar, Kasturi Adep, Adarsh Jaju	ACM 7th International Conference on Computer and Communication Technology (ICCT)-2017, November 24–26, 2017, Allahabad, India	International
20	Machine Learning Solutions for an Autonomous Vehicle (Best paper in track)	Dr. J. V. Aghav Rinku Nemade, Apoorva Nitsure	International Conference on Communication, Computing and Networking (ICCCN 2017), National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh India	International
21	Deep Learning for Real Time Collision Detection and Avoidance (Best paper in all tracks)	Dr. J. V. Aghav Poorwa Hirwe, and Mayura Nene	International Conference on Communication, Computing and Networking (ICCCN 2017), National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh India	International
22	An Overview of Different Techniques for Extracting Building footprints from Satellite Images	Dr. J. V. Aghav Chandan Chawda Swapnil Udar	Intelligent Computational Techniques and Its Applications, (SCOPUS) Springer Book Series, 2018, International Conference on Advances in Computing, Communications and Informatics	International
23	Usage of context vectors in document analysis	V K Khatavkar, Dr Parag Kulkarni	International Conference on Big Data, IoT & Data Analytic	International
24	Artificially Talented Architecture for Theme Detection	V K Khatavkar, Dr Parag Kulkarni	Third International Conference on Computing ,Communication and Signal Processing	International
25	Network Recommendation Based on Route Prediction and Mobile Tower Localisation	Jibi Abraham Awantee Deshpande, Mihir Khandekar, Charuta Pethe	15th IEEE Annual Consumer Communications and Networking Conference Las Vegas, USA	International



Research Publications July 2018 to June 2019

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
	Nil			

Internatioanl Journal				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./Page No.	National/ International
1	Source detection of rumor in social network - A review	Dr. V. Z. Attar Sushila Shelke	Online Social Networks Media, Elsevier	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	NIL			

International Conference				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Automatic Number Plate Recognition for Motorcyclists Riding Without Helmet	A. B. Patil Yogiraj Kulkarni, Amit Kamthe, Subhangi Bodkhe	2018 International Conference on Current Trends towards Converging technologies (icctct)	International
2	Usage of context vectors in document analysis	V K Khatavkar, Dr Parag Kulkarni	International Conference on Big Data, IoT & Data Analytic	international
3	A Survey on Security in Automotive Networks	Deepak Kshirsagar, Shriram Jadhav	International Conference On Computing, Communication, Control And Automation (ICCUBEA-2018)	International
4	DoS Attack Detection using Machine Learning and Neural Network	Deepak Kshirsagar, Shreekhanda Wankhede	International Conference On Computing, Communication, Control And Automation (ICCUBEA-2018)	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
5	An Overview of Different Techniques for Extracting Building footprints from Satellite Images	Jagannath Aghav, Chandan Chawda, Swapnil Udar	Intelligent Computational Techniques and Its Applications, (SCOPUS) Springer Book Series, 2018, International Conference on Advances in Computing, 30Communications and Inf31ormatics	International
6	3D object Classification using Bounding box	Deepak Kshirsagar, Gauri Malwe, Ashish Madkaikar	Intern32ational Conference On Computing, Communication, Control And Automation (ICCUBEA-2018)	International
7	An Empirical Comparison of Supervised Machine Learning Algorithms For Internet of Things Data	Vijay khadse, Swapnil V Biraris	International Conference On Computing, Communication, Control And Automation (ICCUBEA-2018)	International
8	Implementation and Analysis of Serverless Shared Drive with AWS Lambda	Jibi Abraham, Saloni Gandhi, Anuja Gore, Sakshi Nimbarte	Eighth International Conference on Innovative Computing Technology (INTECH 2018), London, UK	International
9	Network Recommendation Based on Route Prediction and Mobile Tower Localisation	Jibi Abraham, Awantee Deshpande, Mihir Khandekar, Charuta Pethe	15th IEEE Annual Consumer Communications and Networking Conference Las Vegas, USA	International
10	NoCo: An Efficient Transaction Propagation Protocol for Open Blockchains	Jibi Abraham, Akash Sarada, Vijesh Ghandare, Aditya Malu	Second International Conference on Advances in Computing, Control and Communication Technology, Allahabad	International
11	Hybrid Cloud Approach for Deduplication with Attribute-Based Encryption	Jibi Abraham, Supriya Kalkote	International Conference on Wireless Sensor Networks, Ubiquitous Computing and Applications, Hyderabad	International
12	A LLC-based DoS Attack Technique on Virtualization System with Detection and Prevention Model	Jibi Abraham, Neha Pimpalkar	International Conference on Advances in Computing, Communications and Informatics, Bangalore	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
13	Privacy Preserving Data Aggregation on Secure Cloud	Jibi Abraham, Saket Komawar, Mayur Batwal, Shubham Shah	4th International Conference on Computing, Communication, Control and Automation	International
14	Emusic: Emotion & Activity based Music Player using Machine Learning	Jagannath Aghav Pranav Sarda, Sushmita Halasawade, Anuja Padmawar	International Conference on Computer, Communication and Computational Sciences, IC4S, Bangkok, Thailand, October 20-21, 2018	International
15	Extracting Building Footprints from Satellite Images using Convolutional Neural Networks	Dr. J. V. Aghav Chandan Chawda Swapnil Udar	International Conference on Advances in Computing, Communications and Informatics (ICACCI'18), IEEE Proceedings, Bangalore, India, Decmber 19-22, 2018	International
16	Security Issues on IIOT: A comprehensive survey of attackson IIOT and its counter measures	Vijay khadse Abhijet Panchal	IEEE Global conference om wireless computing and Networking	International
17	Performance Features of Big Data Platforms and Service Level Agreement based on Software Quality Metrics using Feature Selection Algorithms	Dr. V. Z. Attar T. Pattanshetti	International Conference on Smart Computer Applications and Innovations (ICSCAI-2018)	International
18	Resource Allocation and Optimization in Cloud for Workflow based Applications	Dr. V. Z. Attar S. Jaybhaye	International Conference on Smart Computer Applications and Innovations (ICSCAI-2018)	International
19	Deep Learning Approach for Detection of Anomalous Activities from Surveillance Videos	Dr. V. Z. Attar K. Pawar	4th International Conference on Next Generation Computing Technologies (NGCT), Springer	International
20	A Comprehensive Survey on Distributed Transactions based Data Partitioning	Dr. V. Z. Attar R. Bharti	4th International Conference on Computing, Communication, Control and Automation, IEEE	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
21	Algorithmic Forex trading using combination of numeric time series and news analysis	Dr. V. Z. Attar Varun Patil, Nimish Somani, Aman Tadvi	4th International Conference for Convergence in Technology (I2CT-2018)	International
22	Synthesizing data for collusion-based malpractice of shell companies in money laundering	Dr. V. Z. Attar A. Pawade M. Apte, G. Palshikar	4th International Conference on Convergence of Technology, 2018, IEEE	International
23	Performance Evaluation and Analysis of Feature Selection Algorithms	Dr. V. Z. Attar T. Pattanshetti	International Conference for Data Management, Analytics and Innovation, (ICDMAI 2018), pp. 47–60, Springer	International
24	Unsupervised Feature Selection Using Correlation Score	Dr. V. Z. Attar T. Pattanshetti	3rd International Conference on Computing, Communication and Signal Processing (ICCASP 2018), pp. 355–362, Springer	International
25	Node Grouping and Link Segregation in Circular Layout with Edge Bundling	Dr. V. Z. Attar S. Dongaonkar	Computational Intelligence in Data Mining, Springer, 2019, pp. 391–399.	International
26	Graph-based Question Answering System	V V Kamble Piyush Mittal, Bhargavi Neti, Saurabh Agarwal	ICACCI'18 (IEEE 7th International conference on Advances in Computing, Communications and Informatics) -Seventh Symposium on Natural Language Processing (NLP'18) held on 19-22 September, 2018 Bangalore India.	International
27	Comparing the Performance of Neural and Statistical Sentence Embeddings on Summarization and Word Sense Disambiguation	Dr.Y.V. Haribhakta Dhruv Shasrabudhe, Abhishek Lolage, Gaurav Juvekar	ICACCI'18 (IEEE 7th International conference on Advances in Computing, Communications and Informatics) -Seventh Symposium on Natural Language Processing (NLP'18) held on 19-22 September, 2018 Bangalore India.	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
28	Graph-based Question Answering System	Dr.Y.V. Haribhakta Piyush Mittal, Bhargavi Neti, Saurabh Agarwal Dr. Krishnanjan Bhattacharjee	ICACCI'18 (IEEE 7th International conference on Advances in Computing, Communications and Informatics) -Seventh Symposium on Natural Language Processing (NLP'18) held on 19-22 September, 2018 Bangalore India.	International
29	Open-Domain Question Answering using Feature Encoded Dynamic Coattention Networks	Dr.Y.V. Haribhakta Aniket Kulkarni , Sumedh Kale, Rohan Patil Dr. Krishnanjan Bhattacharjee	ICACCI'18 (IEEE 7th International conference on Advances in Computing, Communications and Informatics) -Seventh Symposium on Natural Language Processing (NLP'18) held on 19-22 September, 2018 Bangalore India.	International
30	Natural Language Inference as an Evaluation Measure for Abstractive Summarization	Dr.Y.V. Haribhakta Rajeshree Bora	IEEE Sponsored 4TH International Conference for Convergence in Technology (I2CT) 2018, to be held on 27th Oct. Mangalore , Karnataka, India.	International



Applied Science Department

No	Years	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	1	11	1	-	13
2	2015-16	-	3	1	-	4
3	2016-17					
4	2017-18	1	4			5
5	2018-19	1	3	1	1	6
	Total	1	17	6	1	25

Research Publications June 2014 to July 2015

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Paradigm shifts in Post colonial English language Pedagogy	Atul Patil and Dr Z N Patil	Aspects of ELLT ASBN:978-81-906869-2-1	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Use of Catalyst in Pyrolysis of Polypropylene Waste into Liquid Fuel	Y B Sonawane, M R Shindikar, M Y Khaladkar	International Research Journal of Environment Sciences, Vol. 4(7), 24-28, July (2015) ISSN 2319-1414	International
2	Onsite conversion of thermoplastic waste into fuel by catalytic pyrolysis	Y B Sonawane, M R Shindikar, M Y Khaladkar	Int. J Innov. Res. in Sc, Engg. and Tech. (IJIRSET) vol 3. Issue 9, Sept 2014. pp 15903-08, ISSN no. 2319-8753	International
3	Effect of addition of B ₂ O ₃ on dielectric properties of BMN, BZN, BMNT and BZNT	M Y Khaladkar, N S Saraf, R R Purandare	IJIRSET Vol 3, Issue 6, June 2014, pp 14072-78, ISSN no. 2319-8753.	International
4	Systematic study of reactions involved in formation of Barium Magnesium Tantalate when synthesized by solid state route	N saraf, R V Kashalkar, M Y Khaladkar, I S Mulla, R Purandare	IJIRSET Vol 3, Issue 6, June 2014, pp, 1 4079-83., ISSN no. 2319-8753	International
5	Preparation C-Carbon Composite Using Natural Graphite and Novolac Resin	Vangada Janakiram, K.S.Suranje, V.S.Galphade	IJIRSET, Volume 3, Issue 6, June 2014, pg no. 14090-14096, ISSN no. 2319-8753	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
6	Development of Bipolar Plates Using Expanded Graphite as a Raw Material”.	S.Jadhav, S.Dhole, S.Suryavanshi .K.S.Suranje, V.S.Galphade	IJRSET, Volume 3, Issue 6, June 2014, pg no 14121-14125, ISSN no. 2319-8753	International
7	An Innovative Approach To Impart Life Skills To Engineering Students To Enhance Their Personality	Tanuja Kher	Published a paper in International Journal of Science Technology and management, Vol. No. 4 Special issue No. 01, August 2015. ISSN 2394- 1537	International
8	Synthesis, Characterization and Electrical Property of Silver Doped Polypyrrole Nanocomposites	Sacchidanand S.Shinde, Jayant A.Kher , Milind V.Kulkarni	IJRSET Vol 3, Issue 6, June 2014, pp 14021-26, ISSN no. 2319-8753.	International
9	A Review on Polyaniline and Its Noble Metal Composites	Sacchidanand S.Shinde, Jayant A.Kher , Milind V.Kulkarni	IJRSET Vol 3, Issue 9, Sept. 2014, pp 16570-76, ISSN no. 2319-8753.	International
10	Mechanically Stable Nano-graphite Polyaniline Composites: Synthesis and Characterization	Hemant Shinde , Sagar M. Kakani , Sacchidanand Shinde , A. M. More , Jayant A. Kher , Sunil R. Patil.	IJRSET Vol 3, Issue 6, June 2014, pp 14164-71, ISSN no. 2319-8753.	International
11	Influence of Dodecylbenzene Sulfonic Acid Doping on Structural, Morphological, Electrical and Optical Properties on Polypyrrole/3C-SiC Nanocomposites	Sacchidanand Shrikrushna, Jayant A.Kher and Milind V Kulkarni.	Jr.Nanomedicine & Nanotechnology, Vol 6, Issue 5, Oct 2015, ISSN: 2157-7439.	International



National Conference				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Comparative Study of Yttria Stabilized Zirconia Prepared by Co-Precipitation Method Using Various Precursors and its Potential as Gas Sensor.	M Y Khaladkar , Rucha Purandare	National Conference on Inter- and intra- Disciplinary blend of Chemical Engineering, Chemix-15, 28-29 March 2015, VNIT, Nagpur	National

Research Publications July 2015 to June 2016

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
	Nil			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
1	An innovative approach to impart life skills to engineering students to enhance their personality	Tanuja Kher	Published a paper in International Journal of Science Technology and management, Vol. No. 4 Special issue No. 01, August 2015. ISSN 2394- 1537	International
2	Use of catalyst in pyrolysis of polypropylene waste into liquid fuel	Sonawane YB, Shindikar MR, Khaladkar MY	International Research Journal of Environment Sciences, ISSN 2319-1414, Vol. 4(7), 24-28, July (2015)	International
3	Influence of Dodecylbenzene Sulfonic Acid Doping on Structural, Morphological, Electrical and Optical Properties on Polypyrrole/3C-SiC Nanocomposites.	Shrikrushna, S., Kher, J. A., & Kulkarni, M. V.	Journal of Nanomedicine & Nanotechnology, 6(5), 1. ISSN: 2157-7439	International



National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.	National/ International
1	Empowering women through rational self appraisal	Tanuja Kher	2 nd National conference on women health” Challenges and solutions” November 28-29,2015	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
	Nil			

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	The Verb Phrase in English and Marathi: A Study in Markedness Differential Hypothesis	Jadhav, L. & Karekatti, T.	FORTELL/2019/ 38/2229-6557/69-80	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	The green hydrothermal synthesis of nanostructured Cu ₂ ZnSnSe ₄ as solar cell material and study of their structural, optical and morphological properties	Vanalakar S.A., Agawane G.L., Kamble A. S., Patil P.S., Kim J.H.	Applied Physics A, Vol. 123 (2017), Page No. 782	International
2	Thermo-Mechanical studies on Er ³⁺ -doped fluorophosphate glasses for near infrared lasers	Agawane G.L., Linganna K., In J.H., Park J., Choi J.H.	Ceramics International, Vol. 43 (2017) Page No. 11177-11181	International
3	Longer lifetime of Er ³⁺ /Yb ³⁺ co-doped fluorophosphate glasses for optical amplifier applications	Linganna K., Agawane G.L., Choi J.H.	Journal of Non-Crystalline Solids, Vo. 471 (2017) Page. No. 65-71	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
4	The Acquisition of the Perfect Aspect in English by Engineering Students	Jadhav, L. & Karekatti, T.	Asian Journal of English Studies/2017/6(3)/ pp. 35-47	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	Nil			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	Nil			

Research Publications July 2018 to June 2019

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	The Acquisition of the Perfect Progressive Construction in English by Management Students: A Study in Error Analysis	Jadhav, L. & Karekatti, T.	The Journal of English Language Teaching (JELT)/2017/LIX (6)/17-25	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Preparation of $Cu_2(Zn_{1-x}Mg_x)SnS_4$ thin films by pulsed laser deposition technique for solar cell applications	G.L. Agawane, S.A. Vanalakar, A.S. Kamble, A.V. Moholkar, J.H. Kim	Materials Science and Semiconductor Processing, Vol. 76 (2018) Page No. 50-54	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
2	Spectroscopic properties of Er ³⁺ /Yb ³⁺ co-doped fluorophosphate glasses for NIR luminescence and optical temperature sensor applications	K. Linganna, G.L. Agawane, J.H. In, J. Park, J.H. Choi	Journal of Industrial and Engineering Chemistry, Vol. 67 (2018) Page No. 236-243	International
3	Preparation of Gallic Acid – Anhydride Conjugate and Evaluation of Prodrug Release Through Pva-Based Hydrogel.	Rahul R. Mahire, Deepika S. Agrawal, Devanand K. Patil and Dhananjay H. More.	Pharmaceutical Chemistry Journal; 2018, 52 (2): pp. 139-144	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Using Whatsapp to Teach English to the School Teachers in Rural India	Jadhav, L.	<i>Selected Papers from the 8th National Conference on 'Empowering Students of Bharat with English for Career Development',</i> ELTIS/2019/978-81-922548-5-2 / pp.119-37.	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Spectroscopic properties of Er ³⁺ /Yb ³⁺ co-doped fluorophosphate glasses for optical device applications	K. Linganna, G.L. Agawane, J.H. In, J. Park, J.H. Choi	International Society for Optics and Photonics, SPIE Optical Engineering + Applications, San Diego, California, United States. DOI: 10.1117/12.2320420.	International



Physics Department

Sr. No	Years	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	-	03	-	06	9
2	2015-16	01	03	-	04	8
3	2016-17	-	03		06	9
4	2017-18	01	08	01	07	17
5	2018-19		02		02	4
	Total	02	19	01	25	47

Research Publications July 2014 to June 2015

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Negative Differential Resistance in Boron Nitride Graphene Heterostructures: Physical Mechanisms and Size Scaling Analysis	Yunqi Zhao, Zhenni Wan, Xu Xu, Sunil R. Patil, Ulrich Hetmaniuk, M. P. Anantram	Nature Scientific Reports, Vol. 5, Page 10712 2015	International
2	"Domain size correlated magnetic properties and electrical impedance of size dependent nickel ferrite nanoparticles,"	Ramesh B. Kamble, Vaibhav Varade, K. P. Ramesh, and V. Prasad	AIP Advances 5, 017119 (Jan 2015); doi: 10.1063/1.4906101.	International
3	Structural and Magnetic Behavior of Mn Doped ZnO Synthesized By Soft Chemical Route	Dr. L. V. Bhandarkar	International Journal of Innovative Research in Science, Engineering and Technology Vol. 3, Issue 11, November 2014 ISSN: 2319-8753	International

International Conference



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Multi-Scale Modeling of Electronic Properties of Hybrid Quasi-One Dimensional Nanostructures	Sunil R. Patil, Xu Xu, Walid Hasan, Mohamed Shibl, Mahmoud Khaderi, M. P. Anantram	MRS 2015, San Francisco (conference)	International
2	A Modeling Study of Mechanisms for NDR in graphene-BN-graphene Heterostructures	Yunqi Zhao, Zhenni Wan, Xu Xu, Sunil R. Patil, Ulrich Hetmaniuk, M. P. Anantram	2015 IEEE Nanotechnology Materials and Devices Conference (NMDC)	International
3	"Tunable Magnetic Properties of Nanocrystalline Cobalt Ferrite Nanoparticles Synthesized by Citrate Assisted Sol-gel Route"	Ramesh B Kamble, Hitha D. Shetty and V. Prasad,	International Conference on Materials for Advanced Technologies (ICMAT2015 and IUMRS-ICA2015), during June 28, 2015 to July 03, 2015 (6 days) organized by Materials Research Society at Suntec, Singapore	International
4	"Lattice Effects on Transport and Magnetotransport on CSD grown La _{0.7} Sr _{0.3} MnO ₃ Manganite thin films"	R.S.Chhatrala, P.R.Yadav, D.S.Rana, S.M.Malik	International conference on Functional Materials: Nanoscale Concerns and Challenges, organized by Dept. of Physics, Chemistry & Electronics, Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur during 9-11 March 2015	International
5	"Studies of structural, optical and electrical characterization of CuInTe ₂ thin films by Electrochemical technique"	Neelima A. Patil, N.B.Chaure	International Conference IPSEC-2015 (Solar Asia 2015) held at Department Of Physics, Savitribai Phule Pune University, Pune, from 30th July-1st August, 2015	International
6	"Synthesis of Cadmium Oxide vertically aligned nanowire array for photovoltaic devices"	Shweta Chaure	International Conference IPSEC-2015 (Solar Asia 2015) held at Department Of Physics, Savitribai Phule Pune University, Pune, from 30th July-1st August, 2015	International



Research Publications July 2015 to June 2016

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
1	Electrical characterization of CuInSe_2 Thin films for solar cell applications	Vishakha Dhanwate, Neelima A Patil, Chaure N B	International Journal of current research Vol. 8, Issue, 03, pp. 28368-28372, March, 2016	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Nested Dissection Solver for Transport in 3D Nano-Electronic Devices,	Y. Zhao, U. Hetmaniuk, S. R. Patil, and M. P. Anantram	Journal of computational Electronics, 14 (44) pp1-13, 2016	International
2	Negative Differential Resistance in Boron Nitride Graphene Heterostructures: Physical Mechanisms and Size Scaling Analysis	Y. Zhao, Z. Wan, X. Xu, S. R. Patil, U. Hetmaniuk, and M. P. Anantram	Scientific Reports 5, 10712 (2015)	International
3	Zero-bias photocurrents in highly-disordered networks of Ge and Si nanowires between dissimilar metal contacts,	M. Golam Rabbani ¹ , Sunil R. Patil, Amit Verma, Julian E. Villarreal, Brian A. Korgel, Reza Nekovei, Mahmoud M. Khader, R. B. Darling, M. P. Anantram	Nanotechnology 27 (4), 045201 (2015)	International

International Conferences



Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Electronic transport in hydrated DNA.	Sunil Patil, Jianqing Qi, Anantram, M. P.	IWPSD 2015, DM65(2015)	International
2	Effect of annealing on the structural and magnetic properties of sol-gel synthesized Co doped ZnO	L. V. Bhandarkar	ORAL Presentation IEEE Conference Proceedings- 10.1109/ICESA.2015.7503408 International Conference on Energy Systems and Applications (ICESA 2015) Dr. D. Y. Patil Institute of Engineering and Technology, Pune, India 30 Oct - 01 Nov, 2015	International
3	Low temperature synthesis and characterization of nanoparticles of 5% Fe doped ZnO: Structural and magnetic studies	L. V. Bhandarkar	POSTER Presentaiton POSTER Presentation in 103 rd The Indian Science Congress	International
4	Tunable magnetic properties of nanocrystalline cobalt ferrite nanoparticles synthesized by citrate assisted sol-gel route.	Ramesh B. Kamble, Hitha D. Shetty, V. Prasad	IUMRS, Singapore, Proceeding, page 175.	International

Research Publications July 2016 to June 2017

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
	NIL			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Synthesis and characterization of vertically aligned cadmium oxide nanowire array	Shweta Chaure	Journal of Material Science, Materials in Electronics; 28(1832) 2017	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
2	Field emission properties and strong localization effect in conduction mechanism of nanostructured perovskite LaNiO_3 .	R. B. Kamble, Narendra Tanty, Ananya Patra, V. Prasad	Applied Physics Letters, (AIP Publishing), Volume 109, 8, 083102 Aug 22, (2016).	International
3	Studies on the Structural, Thermal, Fluorescence and Linear–Non-linear Optical Properties of Glycine Sodium Acetate Single Crystal for Electro-Optic Device Applications	N. N. Shejwal, S. S. Hussaini, R. B. Kamble, M Anis, MD Shirsat	Recent Trends in Materials Science and Applications, Springer, SPPHY, volume 189, 493-501, (May 2017)	International

National Conferences

Sr. No	Title of the Paper	Authors	Publication details/Vol.No./Year/ ISSN No./Page No.	National/ International
	NIL			

International Conferences

Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Fluorescence in Rhodamine6G and Coumarin460 dyes Induced by Laser for Sensing of Organic Compounds	Jagdish W.Dadge	International Conference on Functional Oxides and Nanomaterials, ICFONM – 2016 organized by Department of Physics and Department of Nanoscience & Advanced Materials, Saurashtra University, Rajkot, India during 11-13 th Nov 2016	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
2	Vertically aligned MEH-PPV/CdS hybrid nanowire polymer Solar Cell array	Shweta Chaure	2 nd International Conference On Solar Energy Photovoltaic Proceeding	International
3	Structural and magnetic behavior of Mn doped ZnO synthesized by sol-gel route	L. V. Bhandarkar	104 th INDIAN SCIENCE CONGRESS 2017 Poster Presentation	International
4	A review of Ground Penetrating Radar as an effective tool for assessing the Tunnel linings in Infrastructure Surveys	A. S. Ramdasi, Dr. L. V. Bhandarkar and Dr. Y. A. Kolekar	ORAL Presentation on "Underground Excavations in Difficult Ground Conditions: Issues & Challenges", 27-28 April 2017, New Delhi	International
5	Effect of temperature on the structure of $\text{La}_{1.7}\text{Dy}_{0.3}\text{Ca}_{0.6}\text{Ba}_2\text{Cu}_{4.6}\text{O}_z$ mixed oxide superconductor	Rohini S. Chhatrala, D. G. Kuberkar, S. Rayaprol, Keka R. Chakraborty, P. S. R. Krishna and M. Ramnadharam	Poster Presentation in an International conference on Functional Oxides and Nanomaterials (ICFONM - 2016) at Saurashtra University, Rajkot during 11-13 November 2016	International
6	Role of structural displacements in $(\text{La}_{0.3}\text{Dy}_{0.3}\text{Ca}_{0.4})(\text{Ba}_{1.2}\text{Ca}_{0.2}\text{La}_{0.6})_2\text{Cu}_3\text{O}_z$ Superconductor: A temperature dependent Neutron Diffraction study	Rohini S. Chhatrala, D. G. Kuberkar, S. Rayaprol, Keka R. Chakraborty, P. S. R. Krishna and M. Ramnadharam	Poster Presentation in an International conference on Neutron Scattering (CNS 2016) at BARC Mumbai during 21-23 November 2016	International

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Optical and Electrical Properties of F doped SnO_2 Thin Films	K.A. Bogle, Jagdih W. Dadge	Vol.56, pages 755-758, 2018	National



International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Journal of Lasers, Optics and Photonics	Jagdish W. Dadge, Deepak Thakur	Vol 653 (2018) Pages 62–66	International
2	Nano-crystalline TiO ₂ thin film: Synthesis and investigation of its optical switching characteristics	K.A. Bogle, K.D. More, Jagdih W. Dadge, M.P. Mahabole, R.S. Khairnar	Thin Solid Films Vol 653 (2018) Pages 62–66.	International
3	Nano-Crystalline CdS Thick Films: A Highly Sensitive Photo-Detector	Shivaji Munde, Nilesh Shinde, Pooja Khanzode, Maithilee Budrukkar, Pooja Lahane, Jagdish W. Dadge,	Materials Research Express Vol 5, No. 6, 2018.	International
4	Charge transport through DNA based electronic barriers	Sunil R Patil, Vivek Chawda, Jianqing Qi, MP Anantram, Niraj Sinha	AIP Conference Proceedings 1953, 140148 (2018) doi.org/10.1063/1.5033323	International
5	Towards Electronic Detection of DNA Conformational Transition	Sunil R Patil, Navneet Singh, Pradeep Pant, Niraj Sinha, MP Anantram	Issue: 25 Pages: 1488-1488r 233rd The Electrochemical Society Meeting Abstract Abstract MA2018-01 1488	International
6	TDDFT studies on effects of the size on optoelectronic properties of 2D germanene sheets	A Bhandari, S Alfalah, WMI Hassan, N Al-Hashimi, S Patil, R Nekovei, A Verma	2017 IEEE 17th International Conference on Nanotechnology (IEEE-NANO) Pages 921-924	International



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
7	TDDFT Studies on Sheet Size-Dependency of Optoelectronic Properties of 2D Silicon	MD Raiyan Alam, Ganesh Alwarappan, Aashka Bhandari, Sunil Patil , Sherin Alfalah, Mohamed F Shibl, Walid MI Hassan, Reza Nekovci, Amit Verma	2018 IEEE 13th Nanotechnology Materials and Devices Conference (NMDC) Pages 1-4 2378-377X	International
8	<u>TDDFT Investigation of the Hybrid Organic Inorganic Perovskite: CH₃NH₃PbC₃</u>	Ganesh Alwarappan, Aashik Padmanabachary, Md Raiyan Alam, Aashka Bhandari, Sunil Patil , R Jeyakumar, Mohamed F Shibl, Walid MI Hassan, Reza Nekovei, Amit Verma	2018 IEEE 13th Nanotechnology Materials and Devices Conference (NMDC) 2378-377X	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Coherent and Incoherent Second Harmonic Generation from Bimetallic Coreshell Clusters	Jagdish W. Dadge	Conference on Emerging Trends in Engineering Sciences (ETES-2018)" on 12 th & 13 th February 2018 organised by the department of Engineering Sciences, Zeal College of Engineering and Research Pune.	National

International Conferences



Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Evolution of Nonlinear Optical Properties from Ag-Au coreshell clusters	Jagdish W. Dadge, Kashinath A. Bogle,	International Conference on Nanotechnology: Ideas, Innovations and Initiatives, ICN:3I-2017 organized by Centre of Nanotechnology, Department of Mechanical and Industrial Engineering , IIT Roorkee	International
2	Nano-crystalline TiO ₂ Thin Film and its Optical Switching Characteristics	K. A. Bogle, K. D. More, Jagdish W. Dadge, M. P. Mahabole and R. S. Khairnar	Advances in Chemical Sciences" ICACS-2018 during 1-3 Feb 2018 Organised by Department of Chemistry, Shivaji University, Kolhapur	International
3	International conference on Nanostructuring by Ion Beams (ICNIB 2017)	R. S. Chhatrala	October 11- 13, 2017, Devui Ahilyabai Mahavidhyala, Indore	International
4	Charge transport through DNA based electronic barriers	Dr. S. R. Patil	2 nd International Conference on Condensed Matter and Applied Physics, 24-27Nov 2017, Bikaner, India	International
5	Towards Electronic Detection of DNA Conformational Transition	Dr. S. R. Patil	233 rd The Electrochemical Society Meeting, May 13-17, 2018 , Seattle, USA	International
6	3 rd International Conference on Emerging Technologies: Micro to Nano (ETMN-2017)	S. N. Chaure	October 11- 13, 2017 Solapur University	International
7	International Conference on 'Study of Nanomaterials and Scientific Development in 21 st Century' (ICSNSDC - 2017)	L. V. Bhandarkar	November 3 – 5, 2017 Jiwaji university, Gwalior, Madhya Pradesh, India	International



National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
	Nil			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	MEH-PPV/CdS Hybrid Nanowire Polymer Solar Cell Array	Dr. S. N. Chaure	Journal of Electronic Materials 48, 1074(2019)	International
2	Investigation of the effect of Manganese doping in CdS nanocrystalline thin films	Dr. S. N. Chaure	Materials Research Express, 6,2(2018)	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	Nil			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	International Conference on Advanced Materials, Energy and Environmental Sustainability (ICAMEES 2018)	R. S. Chhatrala	December 14-15, 2018 University of Petroleum and Energy studies (UPES), Dehradun	International
2	Coherent And Incoherent Second Harmonic Generation From Electrochemically Synthesized Bimetallic Coupled Nanoclusters	Jagdish W. Dadge, Kashinath A. Bogle	International Conference on Optoelectronic and Nanomaterials for Advanced Technology Cochin University of Science and Technology, Kochi, Kerala, India during 03-05 Jan 2019	International



Mathematics Department

Sr. No	Years	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2014-15	--	05	--	--	05
2	2015-16	01	04	--	01	06
3	2016-17	--	04	--	--	04
4	2017-18	--	01	--	--	01
5	2018-19	--	--	--	--	00
Total		01	14	00	01	16

Research Publications July 2014 to June 2015

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
	Nil			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1.	A new predictor-corrector method for fractional differential equations	Y. V. Sukale with V. Daftardar-Gejji and S. Bhalekar ,	Appl. Math. Comput. Vol 244 (Oct. 2014) 158-182	International
2.	A note on quasi Laurent polynomial algebras in n variables.	Asawari M. Abhyankar with S. M. Bhatwadekar	Journal of Commutative Algebra Vol 6 (2014) 127-147	International
3.	Excluded Minors for the Class of Co-graphic Splitting Matroids	Dr. K.V.Dalvi with Y.M. Borse and M.M. Shikare	Ars Combinatoria 115: 219-237 (2014)	International
4.	Incidence Matrix of a semigraph	Dr. C.M. Deshpande with B.P.Athawale and Y.S. Gaidhani	British Journal of Mathematics and Computer Science Vol. 9(1), May 2015, (12-20)	International
5	Solving fractional delay differential equations : a new approach	Y. V. Sukale, V. Daftardar-Gejji, and S. Bhalekar	Fractional Calculus and Applied Analysis, Vol. 18, Number 2, March 2015,	International



National Conference				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
	Nil			

International Conference				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
	Nil			

Research Publications July 2015 to June 2016

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No. /ISSN No./ Page No.	National/ International
1	Chromatic numbers of semigraphs	Dr. C.M. Deshpande, Dr. B.P.Athawale & Y.S.Gaidhani	Indian Journal of Discrete Mathematics" Vol 1, Issue 1, (1-12)	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	The existence of quasi regular and bi-regular complementary 3-uniform hypergraphs	Dr. C.M. Deshpande, Dr. B.P.Athawale and Lata Kamble	Discussiones Mathematicae Graph Theory 36(March 2016) 419-126,	International
2	Local stable manifold theorem for fractional systems.	Amey Shripad Deshpande Varsha Gejji	Nonlinear Dynamics , ISSN: 0924-090X (Print) 1573-269X (Online) Vol -83, Issue 4, March 16, (2435-2452)	International
3	A note on pprime ideal and principle in lattices	Shubhangi Kavishwar and Vinayak Joshi	Asian European Journal of Mathemtics, World Scientific Publishing Company, Vol. 8, No. 2, 2015, 12 pages	International
4	A proof of Frankl's union-closed set conjecture for dismantlable lattices	Shubhangi Kavishwar, B. N.Waphare and Vinayak Joshi	Algebra Universalis, Vol.76, 2016, (351-354)	International



National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.	National/ International
	Nil			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
1	Degree Sequences of hypergraphs, self-complementary and almost self-complementary 3-uniform hypergraphs	Dr. C.M. Deshpande	Pre-Conference proceedings of Discrete Mathematics and Graph theory day-XII, June 9-11, 2016	International

Research Publications July 2016 to June 2017

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ ISSN No./ Page No.	National/ International
	Nil			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No. /ISSN No./ Page No.	National/ International
1	On Hopf bifurcation in fractional dynamical systems	Amev S Deshpande, Varsha Gejji, Yogita V Sukale	Chaos, Solitons & Fractals., Elsevier, Vol. 98 March 2017, (189-198)	International
2	Cographic element splitting matroids of regular matroids	K.V.Dalvi, Naiyer Pirouz, M.M. Shikare	Utilitas Mathematica Vol. 101, 2016, (91-106)	International
3	New Numerical methods for solving differential equations	Yogita V Sukale, Varsha Gejji	International Journal of Applied and Computational Mathematics, October 2016, Springer, DOI: 10.1007/s40819-016-0264-6	International
4	Almost self-complementary 3-uniform hypergraphs	Dr. C.M. Deshpande Lata Kamble, Bhagyashree Y Bam	Discussiones Mathematicae Graph Theory, Vol.37, 2017, (131-140)	International



National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.	National/ International
	Nil			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
	Nil			

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
	Nil			

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No	National/ International
1	ML invariant of the symmetric algebra of a projective module over a one dimensional affine domain	S.M.Bhatwadekar, J.T.Majithia	Journal of Algebra Volume 498 Year: 2018 Page : 336-343	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	Nil			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol.No. /ISSN No./Page No.	National/ International
	Nil			