

Publications in 2019-20

Sr.No.	Name of the author	Title of the paper	Title of the journal	Year of publication	Citation Index
1	Dr. M. B. Vanarotti	Heterogeneous composites for low and medium temperature thermal insulation: A review	Energy & Buildings	2019	2
2	Prof. S.P.Jadhav	A review paper: Development of novel friction material for vehicle brake pad application to minimize environmental and health issues	Materials Today: Proceedings	2019	5
3	Dr. Vishal S. Patil	A novel FRET probe for determination of fluorescein sodium in aqueous solution: Analytical application for ophthalmic sample	Indian Journal of Chemistry	2019	1
4	Dr. Vishal S. Patil	Fluorescence resonance energy transfer from pyrene nanoparticles to riboflavin: Spectroscopic insights and analytical application	Indian Journal of Chemistry	2020	—
5	Dr. S.S. Potdar & Dr. Vishal S. Patil	Nanostructured CdO-ZnO composite thin films for sensing application	Journal of Material Science: Materials in Electronics	2020	2
6	Dr. S.S. Potdar	Influence of bath temperature on Microstructure and NH ₃ sensing properties of chemically synthesized CdO thin films	Materials Science-Poland	2019	2
7	Dr. S.S. Potdar	Facile Synthesis of Nano-Diced SnO ₂ -ZnO Composite by Chemical Route for Gas Sensor Application	Journal of Electronic Materials	2019	4

8	Prof. V.V. Vanmore	Experimental investigation and parametric optimization of micro holes on inconel 718 using developed μ -AJM set-up	Manufacturing Technology Today	2019	—
9	Prof. S. V. Vanmore	Estimation of level of lever damage due to cancer using deep convolutional neural network in CT images	International Journal of Innovative Technology and exploring Engineering	2019	—
10	Prof. M.M. Hajare	Smart City Waste Monitoring System using Android Application	International Research Journal of Engineering & Technology (IRJET)	2020	—
11	Prof. M.M. Hajare & Prof. S.S. Pujari	An Effective & Optimal Approach for Computational Resource utilisation to improve Computational Accuracy in Grid computing Environment	International Research Journal of Engineering & Technology (IRJET)	2020	—
12	Prof. P. P. Kulkarni	Speed Control of Single Phase Induction Motor Using Cycloconverter	The International journal of analytical and experimental modal analysis	2020	—
13	Prof. A.A. Katkar	Analysis of Effect of SiC Reinforcement on Microstructure and Hardness of Al 6061 and Al 7075	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020	—
14	Prof. G. C. Koli	Improvement of Mechanical Properties of Aluminium 6061 based Metal Matrix Composite with Addition of Granite Particulate	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020	—
15	Prof. V.H. Deokar	Real-time controlling and monitoring of Solar drying and Water pumping system using IoT	Mukt Shabd Journal	2020	—
16	Prof. G. C. Koli	Design & Analysis of Belt Conveyor for weight reduction in Foundry	International Research Journal of Engineering & Technology (IRJET)	2020	—

Research Publications in 2018-19

Sr.No.	Name of the author	Title of the paper	Title of the journal	Year of publication	Citation Index
1	Dr. Mohan Vanarotti	Heterogeneous composites for low and medium temperature thermal insulation: A review	Energy and buildings	2019	1
2	Mr. Sagar M. Shinde	Impact of traffic growth on air quality: a case study of Delhi, India	Proceedings of the Institution of Civil Engineers – Civil Engineering	2018	1
3	Ms. Pooja S. Shinde	Bio Medical Waste Management- A Review	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2019	--
4	Dr. Siddappa Bekinal, Dr. Mohan Vanarotti	Generalized optimization procedure for rotational magnetized direction permanent magnet thrust bearing configuration	Journal of Mechanical Engineering Science	2018	3
5	Dr. S. G. Arvindakumar	Design and analysis of power drive system of calcinations drum	International Journal of Research and Analytical Reviews (IJRAR)	2018	--
6	Dr. S. G. Arvindakumar	Design, development and analysis of power drive system of calcinations drum: A review	International Journal of Creative Research Thoughts (IJCRT)	2018	--
7	Mr. Ajit Katkar	Smart driverless car for movement across college campus	International Journal of Advance Engineering and Research Development (IAERD)	2018	--

8	Dr. S.S. Potdar	Electrochemical synthesis of Cu _x Se _{1-x} thin film for supercapacitor application	Journal of Alloys and Compounds	2018	4
9	Dr. S.S. Potdar	Facile synthesis of Nanodiced SnO ₂ -ZnO composite by chemical route for gas sensor application	Journal of ELECTRONIC MATERIALS	2019	--
10	Dr. S.S. Potdar	Influence of bath temperature on microstructure and NH ₃ sensing properties of chemically synthesized CdO thin films	Materials Science-Poland	2019	--
11	Dr. Vishal Patil	Synthesis of novel probe 2-chloro-6-methoxy-3-phenyl hydrazone quinoline and its application to detection of persulphate in aqueous ethanol solution by fluorescence turn on	Journal of Inclusion Phenomena and Macrocyclic Chemistry	2018	2
	Dr. Vishal Patil	A novel FRET probe for determination of fluorescein sodium in aqueous solution: analytical application for ophthalmic sample	Indian Journal of Chemistry	2019	1

Number of research papers per teacher in the Journals notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal	Remark of UGC
review on performance parameters and its testing set up	D.S.Virkar	Automobile Engg.	International journal of engineering and science research	2012-13	ISSN: 2277-2685	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NjM1MzM=	accepted
An efficient solvent-free synthesis of Imidazolines and Benzimidazoles using K ₄ [Fe(CN) ₆] catalysis.	K. A. Shaikh, Vishal A. Patil.	Chemistry	Organic Commun5:1, 12-17.	2012	ISSN:1307-6175	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MzY1OjA=	accepted
An Efficient and Convenient Synthesis of Imidazolines and Benzimidazoles via Oxidation of Carbon-Nitrogen Bond in Water Media.	Shaikh, Kabeer A., Patil, Vishal A., Parveen Arshia.	Chemistry	Chines Journal of Chemistry30(4), 924-928.	2012	ISSN: 1614-7065	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MTg0NDI=	accepted
SnCl ₂ ·2H ₂ O catalyzed solid phase synthesis of meso-substituted dipyrromethanes	K. A. Shaikh, Vishal A. Patil, B. P. Bandgar.	Chemistry	Orbital. 4, 111-117.	2012	ISSN 1984-6428	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NDgzMTY=	accepted

Comparative Study of Prototype and Simulation of SVC for Transmission Congestion Management	Mr.R. Abhijeet., K. Vrushali, D. Anjali	Electrical	Springer India	Nov-14	ISBN 978-81-322-2119-7	https://link.springer.com/chapter/10.1007/978-81-322-2119-7_90	
Analysis of axially magnetized permanent magnet bearing characteristics	Siddappa I. Bekinal , T. R. Anil, and S. Jana	Mechanical	Progress In Electromagnetics Research B	2013	19376472	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MzE4NzE=	Scopus indexed
Analysis of radial magnetized permanent magnet bearing characteristics for five degrees of freedom	Siddappa I. Bekinal , T. R. Anil, and S. Jana	Mechanical	Progress In Electromagnetics Research B	2013	19376472	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MzE4NzE=	Scopus indexed
Permanent magnet thrust bearing: theoretical and experimental results	Siddappa I. Bekinal et al.	Mechanical	Progress In Electromagnetics Research B	2013	19376472	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MzE4NzE=	Scopus indexed
Permanent Magnet Thrust Bearing: Theoretical and Experimental Results	Dr.Siddappa I.Bekinal	Mechanical	Progress in Electromagnetics Research	2013	10704698	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MzE4NzA=	accepted

Analysis Of Radial Magnetized Permanent Magnet Bearing Characteristics for Five Degrees of Freedom	Dr.Siddappa I.Bekinal	Mechanical	Progress in Electromagnetics Reasearch	2013	10704698	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MzE4NzA=	accepted
Analysis of the magnetic field created by the permanent magnet rings in permanent magnet bearings	Siddappa I. Bekinal , T. R. Anil, and S. Jana	Mechanical	International Journal of Applied Electromagnetics and Mechanics,	2014	18758800	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MjU1OA==	Science Citation Index Expanded[SCIE] Journal
Analysis of the magnetic field created by perment magnet rings in perment magnet bearings	Dr.Siddappa I.Bekinal	Mechanical	International Journal of Electromagnetics and Mechanics	2014	18758800	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MjU1OA==	accepted
on subclass of starlike functions with fixed points	* Santosh Joshi a , , Sayali Joshi b , Haridas Pawar c	Mathematics	Journal of Indian Acad. Math, 37(1),101-111	2015	9705120	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=Mjg1OTc=	accepted
Improving The performance of Text Summarization	Prof. S.A.Babar	CSE	Procedia Computer Science, Publisher-Elsevier Science Direct	2015	ISSN:1877-0509	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NDYxMzg=	accepted

Generalized 3D Mathematical models for force and stiffness in Axially, Radially and Perpendicularly polarized passive magnetic bearings with 'n' number of ring pairs	Siddappa I. Bekinal and S. Jana	Mechanical	ASME Journal of Tribology	2016	7424787	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NjEzOA==	Science Citation Indexed[SCI] Journal
Performance of Copper Slag as Sand Replacement in Concrete	MAHESH VASANTRAO PATIL	CIVIL	International Journal of Applied Engineering ResearchH	Number 6 2016	ISSN 0973-4562	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NjQ1Mjk=	accepted
Utilization of low computational Cost Two Dimensional Analytical Equations in Optimization of Multi Rings Perment Magnet Thrust Bearings.	Dr.Siddappa I.Bekinal	Mechanical	Progress in Electromagnetics Reasearch	2017	ISSN: 1937-8726	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MzE4NzQ=	accepted
Multi-Objective Optimization of Stached radial passive magnetic bearing	Dr.Siddappa I.Bekinal	Mechanical	Journal of Engineering Tribology	2017	13506501	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=Mzg1ODk=	accepted

On a Certain Subclasses of Bi-Univalent Functions	S. Joshi, S. Joshi, H. Pawar	Mathematics	Acta Universitatis Apulensis http://www.uab.ro/auajournal/ No. 45/2016 pp. 87-96	2016	ISSN- 1582-5329	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NDc3NzE=	accepted
Certain Subclass of Generalized Salagean-Type Harmonic Univalent Functions with Missing Coefficients	S. B. Joshi, S. S. Joshi, H. H. Pawar	Mathematics	Southeast Asian Bulletin of Mathematics (2016) 40: 693–705	2016	0129-2021,0219-175X	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NDkwNzI=	accepted
Optimization of Axially Magnetized Stack Structured Permanent Magnet Thrust Bearing Using Three-Dimensional Mathematical Model	Siddappa I. Bekinal , M. R. Doddamani and S. Jana	Mechanical	ASME Journal of Tribology	2017	7424787	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NjEzOA==	Science Citation Indexed[SCI] Journal
A hybrid (permanent magnet and foil) bearing set for complete passive levitation of high-speed rotors,	Siddappa I. Bekinal , S. S. Kulkarni and S. Jana	Mechanical	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2017	9544062	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=Mzg1ODM=	Science Citation Indexed [SCI] Journal

A Pragmatic Optimization of Axial Stack-Radial Passive Magnetic Bearings	K. P. Lijesh, M. R. Doddamani and Siddappa I. Bekinal	Mechanical	ASME Journal of Tribology	2017	7424787	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=NjEzOA==	Science Citation Indexed[SCI] Journal
Utilization of Low Computational Cost Two Dimensional Analytical Equations in Optimization of Multi Rings Permanent Magnet Thrust Bearings	Siddappa I. Bekinal , M. R. Doddamani and Nikhil D Dravid	Mechanical	Progress In Electromagnetics Research M	2017	19378726	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MzE4NzQ=	Scopus indexed
Multi-Objective Optimization of Stached radial passive magnetic bearing	Dr.Siddappa I.Bekinal	Mechanical	Journal of Engineering Tribology	2017	13506501	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=Mzg1ODk=	accepted
Synthesis of novel probe 2-chloro-6-methoxy-3-phenyl hydrazone quinoline and its application to detection of persulphate in aqueous ethanol solution by fluorescence turn on	Dhanshri V. Patil, • Vishal S. Patil, • Sandeep A. Sankpal, • Govind B. Kolekar, • Shivajirao R. Patil	Chemistry	Journal of Inclusion Phenomena and Macrocyclic Chemistry	2017	ISSN 1388-3127	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=Mjg1OTI=	accepted

on a new subclass on Goodman-Rønning-type harmonic univalent functions defined by multiplier transformation	* Santosh Joshi a , , Sayali Joshi b , Haridas Pawar c	Mathematics	Indian Journal of Math, 59(1),35-50	2017	ISSN- 0019- 5324	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=MjA4MDQ=	accepted
Generalized Optimization Procedure for Perpendicularly Polarized Multi Rings Permanent Magnet Thrust Bearings	Siddappa I. Bekinal , Mrityunjay Doddamani , Mohan B. V. and S. Jana	Mechanical	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2018	9544062	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=Mzg1ODM=	Science Citation Indexed [SCI]Journal
A Study on the Multi-Objective Optimization of Stacked Radial Passive Magnetic Bearing	K. P. Lijesh, Mrityunjay Doddamani, Siddappa I. Bekinal , and S. M. Muzakkir	Mechanical	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	2018	13506501	https://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=Mzg1ODk=	Science Citation Index Expanded [SCIE] Journal
Compressive behavior of cenosphere/epoxy syntactic foams in arctic conditions	Kiran Shahapurkar	Mechanical	Composite Part B	2018		https://doi.org/10.1016/j.compositesb.2017.10.006	

Effect of arctic environment on flexural behavior of fly ash cenosphere reinforced epoxy syntactic foams	Kiran Shahapurkar	Mechanical	Composite Part B	2018		https://doi.org/10.1016/j.compositesb.2018.06.035	
Effect of cenosphere filler surface treatment on the erosion behaviour of epoxy matrix syntactic foams	Kiran Shahapurkar	Mechanical	Polymer Composites	2018		https://doi.org/10.1002/pc.24994	
Influence of surface modification on wear behavior of fly ash cenosphere/epoxy syntactic foam	Kiran Shahapurkar	Mechanical	Wear	2018		https://doi.org/10.1016/j.wear.2018.09.001	
Experimental and Parametric Optimization of Micro Holes on ANSI 304 Using Micro Abrasive Jet Machining (MAJM)	V.V.Vanmorea, U. A. Dabade	Mechanical	Procedia Computer Science Journal	2018	18770509	https://www.sciencedirect.com/science/article/pii/S1877050918310482	Scopus indexed
Design and Analysis of Power Drive System of Calcination Drum	Prof. S. G. Arvindakumar, Mr. Shailesh C. Aradhya	Mechanical	International Journal of Research and Analytical Reviews	2018	23495138	https://www.ugc.ac.in/journallist/subjectwisejournallist.aspx?tid=MjM0ODEyNjk=&did=U2VhcmNoIGJ5IElTU04=	UGC Approved