

DEPARTMENT OF HUMANITIES & SCIENCES

Record of Research Paper Published

Sr.No.	Name of the Authors	Year of Publication	Title of Paper	Name of Journal / Conference	Impact Factor	ISSN
1	Dr. Aruna Henry Henry Babu Dr. Prachi Kanungo	2025	Mars and Minerva: Balancing Strength and Wisdom in Leadership	Journal of Marketing & Social Research		ISSN (Online): 3008-0711 Volume : 02/Issue 02/MarApr./2025
2	Dr. Aruna Henry Henry Babu Dr. Prachi Kanungo	2025	Mars and Minerva: Balancing Strength and Wisdom in Leadership	Journal of Marketing & Social Research		ISSN (Online): 3008-0711 Volume : 02/Issue 02/MarApr./2025
3	Dr. Aruna Henry Henry Babu Dr. Saloni	2025	Exploring User Insights of Online Learning Platforms: A study on Digital Education Platforms	International Research Conference		
4	Dr. Aruna Henry Henry Babu	2025	Empowering Higher Education: A comprehensive exploration of ICT Tools for Enhanced Teaching Learning Process	International Research Conference		
5	Dr. D Henry Babu Dr Anjali Kalse Dr .Aruna Henry Dr.Shubhi Lall Agarwal Dr. Mona Sinha	2024	Retention of Learners: Challenges and Realities a Contextual Study on MOOCS in India	International Conference on “ Digital Transformation in India”(IRCDTB 2023)		Atharva Institute of Management Studies, Mumbai
6	Dr. Aruna Henry Henry Babu	2024	Literature: The Mirror of Life and Language	International Conference on “ Digital Transformation in India”(IRCDTB 2023)		Atharva Institute of Management Studies, Mumbai
7	Sachin Shinde, Sachin Solanke, Mohit Diwan, Lakshman Nibel	2024	Manufacturing Cost Reduction Techniques for Automobile Crank Case Mould Inserts	Journal of Innovation and Emerging Technologies	1.2	2737-5994
8	Preeti Jain, Sachin Shinde, Panchikattil Susheelkumar Mohit Diwan	2024	Hardness determination by a semi-automatic testing system	Journal of Innovation and Emerging Technologies	1.2	2737-5995
9	Pramod Jadhao	2024	“THERMAL Analysis of Engine Cylinder Head by Perforations”	International Journal of Advance Research in Science and Engineering.		2582-3930
10	Pramod Jadhao	2024	“DESIGN AND FABRICATION OF TREADMILL TRICYCLE”	International Journal of Advance Research in Science and Engineering.		2582-3930
11	Neha Parulekar, Divya Acharya	2024	Applications of ring theory: a comprehensive overview	The Indian journal of technical education		0971-3034

14	Rupali S. Chavan, Dr. D. J. Pete	2024	Optic Disc and Blood Vessel based Diabetic Disease Detection Using Enhanced Long-Short-Term Memory	2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), IITM Gwalior.		979-8-3503-6052-3
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12	Rupali S. Chavan, Dr. D. J. Pete	2024	Automatic multi-disease classification on retinal images using multilevel glowworm swarm convolutional neural network	Journal of Engineering and Applied Science	1.5	1110-1903
13	Rupali S. Chavan, Dr. D. J. Pete	2024	Deep Learning Models for Automatic Multi-Disease Classification from Retinal Fundus Images	Anveask (UGC care list Journal)		0378-4568

15	Dr.Henry babu Dr. Aruna Henry Dr Prachi kanungo Dr. Urvashi Ohri	2023	Challenges And Benefits Of Gig Economy: Modern Employment Practices To Revolutionise Traditional Workplace Culture	IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES	7.823	ISSN PRINT 2319 1775 Online 2320 7876, UGC CARE Listed (Group -I) Journal Volume 12, Iss 1
16	Henry babu Aruna Henry	2023	A Study On Big Data Retail Business Analytics And Its Impact On Customer Retention In Indian Retail Sector,	IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES	7.823	ISSN PRINT 2319 1775 Online 2320 7876, UGC CARE Listed (Group -I) Journal Volume 12, Iss 1,
17	Dr. D. Henry Babu Dr. Aruna Henry Dr Anjali Kalse Dr. Sunil Saxena Dr. Brajabandu Das	2023	A Study On The Role Of Teaching Competencies And Its Impact On Creating Competitive Advantage To Higher Educational Institutes	Eur. Chem. Bull.	0.197	ISSN 2063- 5346
18	Dr.Henry babu Dr. Aruna Henry Dr Prachi kanungo Dr. Urvashi Ohri	2023	Challenges And Benefits Of Gig Economy: Modern Employment Practices To Revolutionise Traditional Workplace Culture	IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES	7.823	ISSN PRINT 2319 1775 Online 2320 7876, UGC CARE Listed (Group -I) Journal Volume 12, Iss 1
19	Sachin Solanke, Sachin Shinde, Dadaraao Raut,	2023	Effect of multi-walled carbon nanotubes in reinforced hydroxyapatite composite coatings for orthopaedic applications	Surface Review and Letters	1.2	1793-6667
20	Sachin Manohar Shinde, Kiran Bhole,Mohit Diwan	2023	Geometrical operating parameter's analysis used in flexural cartridges	International Journal on Interactive Design and Manufacturing (IJIDeM)	2.1	1955-2505
21	Yashesh Darji; Dilipkumar Patel; Dhaval Patel; R. Ramesh; Ankit Oza; Kiran S. Bhole; Sachin M. Shinde	2023	Experimentation with the EDM parameter through a full factorial technique and optimization using regression analysis with Carbon Nanotubes	International Journal on Interactive Design and Manufacturing (IJIDeM)	2.1	1955-2505
22	Rupali S. Chavan, Dr. D. J. Pete	2023	Classification of Retinal Fundus Images using VGG16 and Inception V3	2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), IIT Delhi		2473-7674
23	Dr. Henry Babu Dr.Aruna Henry	2022	Knowledge Transfer: Factors and Challenges in Higher Education Institutions, NeuroQuantology Journal Scopus Indexed Journal	NeuroQuantology Journal Scopus Indexed Journal	0.453	ISSN: 1303.5150 Vol-20. No 5

24	Sachin M. Shinde Mohit Diwan, Ramendra Singh Niranjan, Shubhangi Vaikole, R. Ramesh	2022	Geometric Optimization of Compressor Head Fin Body for Effective Heat Transfer by Finite Element Method	International Journal on Interactive Design and Manufacturing (IJIDeM)	2.1	1955-2505
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25	Raghavendra Darji, Gaurang Joshi, Sagram Hembrom, Manoj Kumar, Sachin Shinde, R. Ramesh	2022	Powder Mixed Electrical Discharge Machining of Inconel 718: Investigation on Material Removal Rate and Surface Roughness	International Journal on Interactive Design and Manufacturing (IJIDeM)	2.1	1955-2505
26	Manisha Makwana, Priyank Kansara, Apurva Indrodia, Mohit Diwan, Jaimin Raval Navneet Yadav, Ankit Oza, Manoj Kumar, Sachin Shinde, Anjum Parvez	2022	Optimization of Gate Valve Structure based on Strength Parameters Using Finite Element Analysis	International Journal on Interactive Design and Manufacturing (IJIDeM)	2.1	1955-2505
27	Sachin M. Shinde, Ramesh Lekurwale, Kiran S. Bhole, Ankit D. Oza, Amit Patil, R. Ramesh	2022	5-axis Virtual Machine Tool Centre Building in PLM Environment	International Journal on Interactive Design and Manufacturing (IJIDeM)	2.1	1955-2505
28	Sachin Shinde, Ramesh Lekurwale, Kiran Bhole, Ankit Oza, Amit Patil, R. Ramesh,	2022	Sachin Shinde, Ramesh Lekurwale, Kiran Bhole, Ankit Oza, Amit Patil, R. Ramesh,	International Journal on Interactive Design and Manufacturing (IJIDeM)	2.1	1955-2505
29	Amit S. Patil, Vivek Sunnapwar, Kiran Bhole, Ankit. Oza Sachin Shinde, R. Ramesh	2022	Effective On Efficient Electrode Design and Manufacturing Techniques for Hot Die Steel Inserts Machining Parameter Selection Through Fuzzy AHPTOPSIS for 3D Finish Milling of Ti6Al4V	International Journal on Interactive Design and Manufacturing (IJIDeM)	2.1	1955-2505
30	Kiran S. Bhole, Shyamlee Solanki, Dipali K. Bhole, Sachin M. Shinde	2022	Conducting Short Term Technical Interdisciplinary Courses with Better Outcomes	IETE Journal of Education.	0.9	0974-7338 a
31	Sachin Manohar Shinde and Ramesh R. Lekurwale	2022	Radial Stiffness Computation of Single Archimedes Spiral Plane Supporting Spring Loaded in Flexural Mechanism Mounted in Spindle Head of Micro Drilling Machine Tool	Journal of Mechanics Based Design of Structures and Machines	2.9	1539-7742
32	Jayant Nandwalkar, P. Susheelkumar Sreedharan, Roshani Bhaskarwar, Shubhangi Vaikole, Sachin Shinde	2022	Dwindling Power Loss By Reducing The Decrement Rate Of Refractive Index In Optical Fiber Communication	Samriddhi,	1.2	2454-5767

33	Megha V. Gupta, Shubhangi Vaikole, Panchikattil Susheelkumar Sreedharan, Sachin Shinde, Jayant Nandwalkar	2022	Detection of Human Mental Stress Using Speech Signals	International Journal of Special Education	0.4	1917-7844
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34	Sachin Shinde, Shubhangi Vaikole, P. Susheelkumar Jayant Nandwalkar	2022	Parametric optimization of Aluminium Die Casting Hot Die Steel Inserts	Journal of Algebraic Statistics,	0.6	1309-3452
35	Shubhangi Vaikole, Samisha Kurle Sachin Shinde, P. Susheelkumar Jayant Nandwalkar	2022	Segmentation of Moving Object Captured Using Moving Cameras	Journal of Algebraic Statistics,	0.6	1309-3452
36	P. Susheelkumar Jayant Nandwalkar Dnyandeo Pete Shubhangi Vaikole, Sachin Shinde,	2022	Spatial Clustering with Dynamic Hops for Data routing in WSN for Enhanced QoS Metrics	Journal of Algebraic Statistics,	0.6	1309-3452
37	Avinash Shrivasa, Shrinivas Deshpande, Girish Gidaye, Jagannath Nirmal, Kadria Ezzine, Mondher Frikha, Kamalakara Desai, Sachin Shinde, Ankit Oza, Dumitru Doru Burduhos-Nergis, Diana Petronela Burduhos-Nergis	2022	Employing Energy and Statistical Features for Automatic Diagnosis of Voice Disorders	Journal of Diagnostics	3.1	2075-4418
38	Dr. Namita Shah	2022	Evaluation of Women's Efforts in Developing Society'	in B Aadhar Peer Reviewed & Referred Multidisciplinary International Indexed Research Journal		2278-9308
39	Dr. Namita Shah	2022	Eudora Welty's Place in the Oral Tradition'	Aadhar Peer-Reviewed Indexed' Multidisciplinary International Research Journal,		2278-9308.
40	Dr. Namita Shah	2022	'Family in the Novels of Eudora Welty'	International Journal of Advance and Innovative Research		2394 – 7780
41	Priyanka Tavhare and Ajay Chaudhari	2022	Ti decorated heterocyclic ring for hydrogen storage	Int. J. Hydrogen Energy	8.1	0360-3199
42	Nilesh Ingale, Priyanka Tavhare and Ajay Chaudhari	2022	Hazardous molecules and VOCs sensing properties of Ti functionalized benzene: an ab initio study	Sensors and Actuators A: Physical	4.1	0924-4247

43	Sachin M. Shinde and Ramesh Lekurwale	2021	Design and development of three leg spiral curve flexural cartridge for micro drilling spindle head: a novel mechanism	Int. J. Mechatronics and Manufacturing Systems	1.9	1753-1047
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44	Sachin M. Shinde and Ramesh Lekurwale	2021	Synthesizing of Flexural Spindle Head Micro Drilling Machine Tool in PLM Environment	Int. J. of Virtual Technology and Multimedia	1.1	1741-1882
45	Dr. Namita Shah	2021	The Effect of Present-Day Crisis on Literature	'CONTAGION'		978-93-91305-31-1.
46	Priyanka Tavhare, Elby Titus and Ajay Chaudhari	2021	Hydrogen Adsorption on Metal Functionalized Benzene and Bsubstituted Benzene	Int. J. Energy Res.	4.3	1099-114X
47	Nilesh Ingale, Priyanka Tavhare, Mohammad Solimannejad and Ajay Chaudhari	2021	Titanium-benzene complex as a molecular oxide adsorbent: a first principles approach	J. Mol. Model.	2.1	1610-2940
48	Kakuli A. Maiti, Abhijit Maiti, Dr. Kartekeyan	2020	Zinc Oxide nanoparticles as alternatives for overcoming antibiotic resistance in foodborne pathogenic bacteria	Journal of Physical Sciences	8.5	ISSN:2456-0057
49	Sachin Manohar Shinde and Ramesh R. Lekurwale	2020	Experimental and numerical investigation of difference in diameter enlargement and circularity of micro-holes drilled by flexural spindle head	Journal of Micromanufacturing,	2.5	2516-5992
50	Dr. Namita Shah	2020	'Feminism in the novels of Eudora Welty'	Gender Issues and Subaltern Feminism' Research Journal		978-81-905776-33-4.
51	Dr. Namita Shah	2020	'Narrative Technique in the Novels of Eudora Welty'	IRIS B. Aadhar Peer-Reviewed Indexed' Multidisciplinary International Research Journal,		ISSN- 2278-9308
52	Aruna Sharma A. V. Dubewar	2019	MHD Flow between Two Parallel Plates under the Influence of Inclined Magnetic Field by Finite Difference Method	International Journal of Innovative Technology and Exploring Engineering (IJITEE)		ISSN:2278-3075
53	Mr.M.B. Sonkamble	2019	'The analysis of social discourse and upheaval in the novel of The White Tiger by Arvind Adiga''.	National Conference Annasaheb Magar College,Pune		
54	Smita Choudhuri	2019	Finding the Path of a Rocket in Minimum Time using Calculus Of Variation	Seva Sadan International conference Seva Sadan College of Arts,Science& Commerce		ISSN:0971-1260
55	Sachin Shinde and R. Lekurwale	2019	Behavioural Study of Spiral Flexure Disc by Design of Experiments and Contour Plots	Industrial Engineering Journal	1	2581-4915
56	Priyanka Tavhare, Elby Titus and Ajay Chaudhari	2019	Boron substitution effect on adsorption of H ₂ molecules on organometallic complexes	Int. J. Hydrogen Energy	8.1	0360-3199
57	Priyanka Tavhare and Ajay Chaudhari	2019	Ti-doped B/N substituted benzene complexes for hydrogen storage: A comparison	Mat. Lett.	2.7	0167-577X

58	Priyanka Tavhare and Ajay Chaudhari	2019	Nitrogen substitution effect on hydrogen adsorption properties of Ti-decorated benzene	Struct. Chem.	1.2	1040-0400
59	S. P. Dahake G. Purohit A.V. Dubewar	2018	The Numerical Solution of Nonlinear Nonhomogeneous System of Differential Equations by Differential Transform Technique.	International Journal of Computer Science and Engineering	3.218	E-ISSN: 2347- 2693

60	Sachin M. Shinde and Dr. Ramesh R. Lekurwale,	2018	Parametric Mathematical Modelling and Aspect Ratio Optimization of Eccentric Spiral Profile Flexural Bearing through Finite Element Analysis Studies	Mechanical Engineering e	0.5	2581-4915
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61	Dattatray Dilip Giripunje, Vilas B. Shinde, Sachin M. Shinde	2018	Review of Different Technique to Enhance Heat Transfer Rate of Hot Gas carrying turbine stack.	International Journal of Engineering Research & Technology (IJERT)	0.5	2278-0181
62	Ravinder Konda, Priyanka Tavhare, Nilesh Ingale, and Ajay Chaudhari	2018	Tetrahedral silsesquioxaneC ₂ H ₂ Ti complex for hydrogen storage	AIP Conf. Proc.	0.152	0094-243X
63	Priyanka Tavhare and Ajay Chaudhari	2018	Hydrogen adsorption on Ceethylene complex using quantum chemical methods	Indian J. Pure & Appl. Phys.	0.6	0019-5596
64	S. P. Dahake A.V. Dubewar	2017	Thermophoresis and Radiation Effects on MHD Free Convection Flow along a Vertical Plate Immersed in a Porous Medium	International Journal of Scientific & Engineering Research (IJSER)	4.2	ISSN:2229-5518
65	S. P. Dahake A.V. Dubewar	2017	Effect of Radiation on Magnetohydrodynamic Convection Flow past an Impulsively Started Vertical Plate Submerged in a Porous Medium with Suction.	International Journal of Computer Science and Engineering	3.022	E-ISSN: 2347-2693
66	S. P. Dahake A.V. Dubewar	2017	Effect of Thermal Radiation on Transient Convection Viscous incompressible flow over a vertical stretching surface	4th National Conference on "Advances in Technology & Management" A.C. Patil College of Engineering, Kharghar, Navi Mumbai		
67	Dr. Aruna Henry	2017	Effective ways to Write Thesis	Centum Research Journal	1.2	ISSN: 2231-1475
68	Sourabh Jayawant Choure, Amogh Manoj Hardas, Kakuli A. Maiti,	2017	Investigation on electrical conductivity of ZnO and ZnO doped with Vanadium and Nitrogen nano particles:	International Conference at DMCE		ISBN.978-93-86171-02-3
69	Smita Choudhuri	2017	Extension of Stoke's theorem	ICEMTE-2017 Shree L.R.Tiwari College of Engineering		ISSN:2321-8169
70	Priyanka Tavhare, Amol Deshmukh and Ajay Chaudhari	2017	Impact of position and number of boron atom substitution on hydrogen uptake capacity of Li decorated pentalene	Phys.Chem.Chem.Phys.	3.676	1463-9076
71	Vijayanand Kalamse, Priyanka Tavhare, Amol Deshmukh, Rahul Krishna, Elby Titus and Ajay Chaudhari	2017	Effect of boron substitution on hydrogen storage capacity of Li and Ti decorated naphthalene	Int. J. of Hydrogen Energy	8.1	0360-3199
72	S. P. Dahake A.V. Dubewar	2016	Unsteady Magneto Hydrodynamic Convection Flow through Porous Medium along a Vertical Plate in presence of Radiation	International Journal of Mathematics Trends and Technology	0.764	ISSN:2231-5373

73	S. P. Dahake A.V. Dubewar	2016	Effects Of Radiation And Mass Transfer On Magneto hydrodynamic Convection Flow Past an Impulsively Started Vertical Plate Inundated in a Porous Medium with Viscous Dissipation.	International Research Journal of Mathematics, Engineering and IT (IRJMEIT)	3.563	ISSN: 2349-0322
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74	Dr. Aruna Henry	2016	Road to Effective Communication	New Man International journal of Multidisciplinary studies	3.012	ISSN-2454-5503
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75	Dr. Aruna Henry	2016	Relevance of Foreign Language to the B School Students	4 th International conference on Innovations in Science, Technology and Management for sustainable growth		MGM IMSR
76	Mr.M.B. Sonkamble	2016	Theme of Death in Emily Dickinson's Poetry	International Interdisciplinary multilingual Research Journal	3.4052 (UIF)	ISSN 2455-8850
77	Mr.M.B. Sonkamble	2016	Depiction of Woman, Motherhood, Patriarchy in vijay Tendulkar's Silence the Court is in Session	Golden Research Thoughts	3.4052 (UIF)	ISSN 2231-5063
78	Mr.M.B. Sonkamble	2016	Discovery of India is an Pandit Jawaharlal Nehru's Autobiography' As a Work of Art	Review of Research Journal	4.1625 (UIF)	ISSN 2230-7850
79	Mr.M.B. Sonkamble	2016	Thematic Study of the in Heritance of loss by Kiran Desai	Indian Streams Research Journal	4.1625 (UIF)	ISSN 2230-7850
80	Mr.M.B. Sonkamble	2016	The theme of partition in Chaman Nahel's Azadi	Indian Streams Research Journal	4.1625 (UIF)	ISSN 2230-7850
81	Mr.M.B. Sonkamble	2016	A Study of Rural India in Nectar in a Sieve by Kamal Markandaya	Indian Streams Research Journal	4.1625 (UIF)	ISSN 2230-7850
82	Mr.M.B. Sonkamble	2016	The Diversity of Diaspora writing in Salman Rushdie' Satanic Versus	National Conference on Diaspora in Indian English Literature S.M.Joshi College,Hadapsar, Pune		
83	Kakuli A. Maiti,Abhijit Bhogale, Rajlakshmi Neogi, D.C Kothari	2015	Visible light photocatalytic activity of Vanadium doped Zinc oxide nano particles.	Elixir International Journal Crystal Research	4.2	ISSN:2229-712X
84	Kakuli A. Maiti, R. Jaiswal, Rajlakshmi Neogi, D.C Kothari	2015	Visible light photocatalytic activity of Zinc oxide nano particles co-doped with Vanadium and Nitrogen	International Journal of Chemical and Physical Sciences	5.8	ISSN:2319-6602
85	Dr.Prachi Kanungo	2015	Interview:Butterflies in the Stomach"	National Journal Sanchetna		ISSN NO. 2279-0314
86	Dr. Namita Shah	2015	Conflict Resolution'	Sanchetna' Research journal		ISSN:22790314.
87	Kakuli A. Maiti,Abhijit Maiti, Rajlakshmi Neogi, D.C Kothari	2014	Differential susceptibility of Gram positive and Gram Negative Bacteria towards ZnO nanoparticles	International journal of Chemical and Physical Sciences	IIT-kharagpur	ISSN:2319-6602
88	Kakuli A. Maiti, V. M. Balsaraf, Abhijit Maiti	2011	Synthesis, Characterization and use of Ag nano particles as antibacterial in water filters	International Conference on Recent advances in chemical sciences		48th Annual covention of chemist

89	Kakuli A. Maiti, V. M. Balsaraf	2010	Testing and monitoring of sulphate and chloride in construction sand to avoid undesirable effect	International Conference on Recent advances in chemical sciences		47th Annual covention of chemist
90	Kakuli A. Maiti, V. M. Balsaraf	2010	Pollution the ticking bomb	International Conference on Recent advances in chemical sciences		47th Annual covention of chemist
91	Kakuli A. Maiti	2010	Nanotechnology: Risk assement	National Conference on Recent trends in mechanical engineering		DMCE

92	Dr. Neelu Keshri	2007	Quantitative structure relationship (QSAR) Studies on cytotoxic Arylpiperazinyl Fluoroquinolones.	Oxidation Communications (Bulgaria).	0.22	
93	Dr. Neelu Keshri	2005	Quantitative StructureActivity Relationship Studies On - Anilinophenyl Acetamide (- APA) Derivatives Acting As Anti-HIV Drugs.	Bioinformatics (India).		
94	Dr. Neelu Keshri	2005	QSAR Thio-based SAHA analogues as potent histone decetylase inhibitors	Indian Chemical Society (India).		
95	Dr. Neelu Keshri	2009	Effect of Molar Concentration on Electrokinetic Remediation of Cadmium Contaminated Soil(Abstract)	Indian Geotechnical Conference 16 to 19 Dec. 2009, Guntur, India		

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