



# BASAVESHWAR ENGINEERING COLLEGE

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**Bagalkote – 587102, Karnataka State, India**

## List of Faculty Publications along with DOIs and Publication / Citation Details

**2024-25**

Sl. No.	Title of the Paper	Authors	Journal Name
1	Trajectory Analysis of Robot Arm for Obstacle Avoidance	Dr. Vinay V. Kuppast Dr. Devanand D. Chillal	International Conference on Sustainable Solutions in Engineering and Technology (SSET-2024), 29th and 30th August 2024, Basaveshwar Engineering College, Bagalkote, Karnataka, India.
2	Influence of Cu addition on the wear behavior of a eutectic Al–12.6 Si alloy developed by the spray forming method.	Goudar DM, Haider J, Raju K, Kurahatti RV, Pinto DG	Journal of Composites Science. 2024 Feb 27; 8(3):88.
3	Understanding measurement system, Determining and Analysis the Measurement Variations”,	Anupkumar A Desai, S. Vidyashankar and S. M. Jigajinni,	International International Journal of Research and Analysis in Science and Engineering, Vol. 04(05), 2024, pp 648-659, (ISSN: 2582-8118)
4	Heavea brasiliensis (Rubber seed oil) as cost effective non edible feedstock for sustainable high quality biofuel production”,	Veeranna R Kattimani, Shaila. U. Durgadsimi and S. J. Sanjay,	World Journal of Advanced Engineering Technology and Sciences, Volume No 13, Issue: (01), September 2024,2024, Page 468–475.
5	Noise And Vibration Analysis Of Internal Combustion Engine Running On Biodiesel Blends	Vinay V. Kuppast, Iresh G. Bhavi, Devanand D. Chillal	

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6	Design And Fabrication Of 360 Degree Rotating Vehicle Mechanism	Ramesh S. Naik, Yallaling S Bedar, Mahalingesh H Kori, Vishalp Barikai, Swati M Talagade	Industrial Engineering Journal ISSN: 0970-2555 Volume : 53, Issue 6, No.4, June : 2024
7	Aluminum Oxide ( $Al_2O_3$ ) Particulates as Reinforcement in Polyethylene Tetrathalate (PET) Polymer: A Multifaceted Investigations Innovations in Electronic Materials: Advancing Technology for a Sustainable Future	Mahesh A. Kori, Anand N. Sonnad , Shravankumar B. Kerur	2 <sup>nd</sup> International Conference on Emerging Applications of Material Science and Technology (ICEAMST 2024) Proceedings, organized by R V College of Engineering, Bangalore, 3-4 July 2024 (Accepted for publishing in Springer series)



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## 2023-24

Sl. No.	Title of the Paper	Authors	Journal Name
1	Integrated Model Of Human Resources Management, Knowledge Management, And Intellectual Capital For Organizational And Industrial Global Economy	Ramesh S. Naik	Industrial Engineering Journal ISSN: 0970-2555 Volume : 53, Issue 3, No. 4, March : 2024
2	Design And Development Of Electric Bike For On-Road Off-Road And Long Distance Drive	Dr. Ramesh S Naik, Sandeep R N Shreedhar, Khanderao B B Ajaykumar RD	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:06/June-2023 Impact Factor- 7.868 <a href="http://www.irjmets.com">www.irjmets.com</a> .
3	Design and Development of Three-Wheeler Foldable E-Bike	Dr. Ramesh S Naik, Abhishek, Chandsab BT, Chetan PJ, Nagaraj U	International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538, Volume 11 Issue VII Jul 2023- Available at <a href="http://www.ijraset.com">www.ijraset.com</a> .
4	Analysis and Design Optimization of Halo section Valve Springs	R. S. Matti, Jagadish R Bagali, B. S. Vivekanand	International Journal of Science and Research, ISSN: 2319-7064. Volume 12, Issue 9, September 2023.
5	Application of Six Sigma to Improve the Passing Percentage of an Engineering Course.	Roopa B Math, Mahantesh M Ganganallimath	Journal of Mines, Metals & Fuels, 01.06.2023, Vol. 71, Issue-6.
6	Comparative Study of	Mahantesh M	EVER GREEN Joint Journal

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	Conventional Wood-Pattern with 3D-Print ABS-Pattern to Enhance Quality of Castings”	Ganganallimath, K Vizayakumar, Umesh M Bhushi	of Novel Carbon Resource Sciences & Green Asia Strategy, June 2023, Vol. 10, Issue 02, pp 1053-1060.
<b>7</b>	Investigation of Physical-Mechanical and Thermos Gravimetric (TGA) Characteristics of the Combined Effect of Boron Nitride (BN) and Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ) in Polyethylene Terephthalate (PET) Matrix.	Mahesh A. Kori, Anand N. Sonnad, Shravankumar B. Kerur	Tuijin Jishu/Journal of Propulsion Technology ISSN: 1001-4055 Vol. 45 No. 2 (2024)
<b>8</b>	The influence of Boron Nitride Reinforcement on Physical and Mechanical Properties of Polyethylene Terephthalate (PET)	Mahesh A. Kori, Anand N. Sonnad, Shravankumar B. Kerur	Journal of Harbin Engineering University, ISSN: 1006-7043, Vol 44 No. 11, November 2023
<b>9</b>	Study on Mechanical Behaviour of Al-15Si-10Zn/x ZrO <sub>2</sub> Composites Synthesized by Stir Cast Method	Chavan V, Goudar D, Kuppast VV, Kurahatti RV, Naik MM	Journal of Metallic Material Research. 2023 Oct 15;6(2):10-9.
<b>10</b>	Simple magnetic levitation train	S G. Sarganachari, Abhuthal D Maniyar, Aravind R Waddatti, Gururaj N Ingalagi, Umesh Karenavar	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), vol. 3, issue 5, June 2023.
<b>11</b>	Asymmetric/Symmetric Glass-Fibre-Filled Polyamide 66	Sandeep C. Dhaduti, S. G.	Journal of Composites Science, August. 2023, 7,

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	Gears—A Systematic Fatigue Life Study	<b>Sarganachari,</b> Arun Y. Patil, Shridhar H. Budapanahalli and Raman Kumar	345 PP.1-13.
<b>12</b>	Multipurpose Weeder with Pesticide Sprayer	S G. Sarganachari, Sagar M Joshi, Rahul M Julapi, Amit M Myageri and Shashank Desai,	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), vol. 3, issue 1, July 2023.



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**2022-23**

Sl. No.	Title of the Paper	Authors	Journal Name
1	NVH Analysis of Acoustic Materials by Using Aluminium, Steel and Carbon Fiber	Vijaykumar , Dr. Vinay V. Kuppast,	International Conference on Recent Trends in Mechanical Engineering and International Journal of Scientific Research in Science, Engineering and Technology (UGC Care List ) Print ISSN: 2395-1990, Online ISSN : 2394-4099 , March 25, 2022 DOI: 10.32628/IJSRSET1229972
2	Evaluating comparative wear behaviour of Al-15% Si based alloy/composites reinforced with zinc and zirconium oxide.	Chavan V, Kurahatti RV, Haider J, Goudar DM, Patil IS	Tribology-Materials, Surfaces & Interfaces. 2023 Apr 3;17(2):81-98.
3	Study of Mechanical Properties of Metal Matrix 212 Microns of Red Mud	Saidabanu Patel, S. J. Sanjay, Shivanand C Yali, S M Jigajinni,	International Journal of Engineering Technology and Management Sciences, Vol. 06(05), 2022, pp 210-215, DOI:10.46647/ijetms.2022.v06i05.031 ISSN: 2581-4621.
4	FEA And Experimental Investigation Of prosthetic Knee Joint	Prajwal Uttur , Prof. S J. Sanjay , Dr.C. Shashishekar	International Journal of Engineering Technology and Management Sciences, Volume No.7, Issue: 5 September - October – 2023 DOI:10.46647/ijetms.2023.v07i05.057 ISSN: 2581-4621, Page 464-470.

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<b>5</b>	Mathematical Model And Fea Analysis Of Prosthetic Knee Joint	Chandrakant N.Pujar, Prof. S.J. Sanjay, Dr.C. Shashishekar ,	International Journal of Engineering Technology and Management Sciences, Volume No.7, Issue: 5, September - October – 2023 DOI:10.46647/ijetms.2023.v07i05.058 ISSN: 2581-4621, Page 471-479.



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**2021-22**

Sl. No.	Title of the Paper	Authors	Journal Name
1	NVH Analysis of Acoustic Materials by Using Aluminum and Steel metals	Dr.Vinay V.Kuppast, Vijaykumar,	Journal of Advancements in Material Engineering , e-ISSN: 2582-0036 ,Volume-6,Issue-2(May-August,2021) <a href="https://doi.org/10.46610/JoAME.2021.v06i02.005">https://doi.org/10.46610/JoAME.2021.v06i02.005</a>
2	NVH Analysis of Acoustic Materials”.	Vijaykumar, Dr.Vinay V.Kuppast	Elsevier, SSRN, Materials science eJournal, Vol 4, Issue 165, November 01, 2021. Available at <a href="http://dx.doi.org/10.2139/ssrn.3924050">http://dx.doi.org/10.2139/ssrn.3924050</a>
3	Early detection of failure of spiral bevel gears used in differential gearbox	Iresh Bhavi, Geetanjali V Patil, VV Kuppast,	Journal of Failure Analysis and Prevention, 2021 Vol. No. 21, Issue No. 4, Page No. 1189-1194, <a href="https://link.springer.com/article/10.1007/s11668-021-01163-1">https://link.springer.com/article/10.1007/s11668-021-01163-1</a> , Electronic ISSN 1864-1245 Print ISSN 1547-7029.
4	Experimental Investigation of Influence of Piston Pin-Offset on Reduction of Piston Slap Noise	Iresh Bhavi, , VV Kuppast, D D Chillal,	Journal of Failure Analysis and Prevention, 2021, Vol. No. 21, Issue No. 4, <a href="https://link.springer.com/article/10.1007/s11668-021-01193-9">https://link.springer.com/article/10.1007/s11668-021-01193-9</a>
5	Static and Dynamic analysis of Planetary Roller Screw Mechanism	Mr. Mahantesh Kambar, <b>Mr. S. G. Saraganachari</b>	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 08 Issue: 09   Sep 2021 pp. 836-842.
6	Design and Analysis of Cylinder and Cylinder Head of 6-Stroke SI engine for weight Reduction”	Mr. Rajashekhar Siddanayak, <b>Mr. S. G. Saraganachari</b>	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 08 Issue: 09   Sep 2021 pp. 1133-1140.

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7	Design and Analysis of Aircraft Fuselage Semimonocoque Structure”	Amirashoyal Tankasli, <b>S.G. Saraganachari</b>	International Research Journal of Modernization in Engineering Technology and Science e-ISSN: 2395-005, Volume:03/Issue:12/December-2021 pp. 673-680.
8	A study of sound pressure level (SPL) inside the truck cabin for new acoustic materials: An experimental and FEA approach.	Patil VS, Bano F, Kurahatti RV, Patil AY, Raju GU, Afzal A, Soudagar ME, Kumar R, Saleel CA.	Alexandria Engineering Journal. 2021 Dec 1;60(6):5949-76.
9	The Effect of Two-Step Austempering on Abrasion Wear Characteristics of the Ductile Cast Iron.	Wadageri CS, Kurahatti RV, Goudar DM, Hiremath V, Auradi V.	Advances in Metrology and Measurement of Engineering Surfaces: Select Proceedings of ICFMMP 2019 2021 (pp. 119-126). Springer Singapore.
10	Study of microstructure and tribological behaviour of spray cast high silicon hypereutectic Al-Si alloy.	Goudar DM, Magalad VT, Kurahatti RV	Advances in Materials and Processing Technologies. 2022 Apr 3;8(2):1245-54.
11	Investigation on Microstructural and Mechanical Properties of Microwave Welded Al6061-SiC-Graphite Hybrid Metal Matrix Composites	Zaheerabbas B. Kandagal, V. G. Akkimardi and A. N. Sonnad	Metallography, Microstructure and Analysis, 05, June, 2021.DOI: 10.1007/s13632-021-00745-7.
12	Effect of Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ) Reinforcement on Physical and Mechanical Properties of Polyethylene Tetrathalate (PET)	Anand. N. Sonnad, Shrivankumar . B. Kerur, Mahesh A. Kori,	International Journal of Surface Engineering & Materials Technology, Vol. 11, No. 2, July-December 2021, ISSN: 2249-7250, PP 22-27

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<b>13</b>	Study of Mechanical Properties of Metal Matrix 212 Microns of Red Mud	Saidabanu Patel , Prof.S.J.Sanjaya , Shivanand C Yali , S M Jigajinni	International Journal of Engineering Technology and Management Sciences , Volume No.6 Issue: 5 , Page-210-215, Aug-Sept – 2022 DOI:10.46647/ijetms.2022.v06i05.031 ISSN: 2581-4621.
<b>14</b>	FEA and Experimental Investigation of Prosthetic Knee Joint	C. Shashishekar, S. J. Sanjay and Shreekanth M.T	Journal of Mines, Metals and Fuels, Volume No 70, Issue: (8A): Page-1-479; 2022. DOI: 10.18311/jmmf/2022/31994.
<b>15</b>	Design and Analysis of Bulletproof Vest Made from Fiber Reinforced Composite	Mr. Vinayak V. Sheshadri, R S Naik,	International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 Volume: 08 Issue: 10   Oct 2021 www.irjet.net p-ISSN: 2395-0072.
<b>16</b>	Microwave Assisted Pyrolysis of Food Waste: Optimization of Fixed Carbon Content Using Response Surface Methodology.	H. M. Kadlimatti, B. Raj Mohan, M. B. Saidutta	Biofuels 2021, Vol. 12, No. 9, 1051-1058, (Taylor and Francis)