



K S INSTITUTE OF TECHNOLOGY BANGALORE

MECHANICAL ENGINEERING DEPARTMENT

ACADEMIC YEAR 2018-19

DETAILS OF RESEARCH PUBLICATIONS

https://drive.google.com/drive/folders/1A0F8R5NPwlrtsBROYJuTi384k4h9E2S?usp=sharing			
Book publications			
Journal publications			
Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr.T.V.Govindaraju	Design and Testing of an Active Magnetic Bearing	International journal of advance research in science and Engineering, Vol.6, issue 10, 2017 https://www.ijarse.com/images/fullpdf/1507203416_IETEBanglore_210.pdf (https://www.ijarse.com/images/fullpdf/1507203416_IETEBanglore_210.pdf)
2	Dr. B.S. Ajaykumar	Design and Testing of an Active Magnetic Bearing	International journal of Vehicle structures & systems, Vol.10, No 4, 2018 Scopus indexed journal http://www.maftree.org/eja/index.php/ijvss/article/view/1094 (http://www.maftree.org/eja/index.php/ijvss/article/view/1094)
3	Dr. B.S. Ajaykumar	Effect of cutting speed on generation of heat at work tool interface of copper based silver and brass alloy	International journal of Mechanical and Production Engineering Research and Development, Vol.8, issue 3, pp.911-914 Scopus indexed Journal https://www.researchgate.net/publication/326464177_Effect_of_Cutting_Speed_on_Generation_of_Heat_at_Work-Tool_Interface_of_Copper_based_Silver_and_Brass_Alloys (https://www.researchgate.net/publication/326464177_Effect_of_Cutting_Speed_on_Generation_of_Heat_at_Work-Tool_Interface_of_Copper_based_Silver_and_Brass_Alloys)
4	Mr. Nagaprasad K.S	Effects of Using Diesel Particulate Filter and Diesel Oxidation Catalyst Ignition Engine Fuelled with Diesel-Di Ethyl Ether Blend.	European journal of Sustainable development, Vol. 2, issue 3, pp.1-14, 2018 Scopus indexed journal https://www.researchgate.net/publication/325352716_Effects_of_Using_Diesel_Partuculate_Filter_and_Diesel_Oxidation_Catalyst_with_Exhaust_Gas_Recirculation_on_the_Performance_of_Compression_Ignition_Engine_Fuelled_with_Diesel-Di_Ethyl_Ether_Blend

			https://www.researchgate.net/publication/325352716 Effects of Using Diesel Partuculate Filter and Diesel Oxidation Catalyst with Exhaust Gas Recirculation on the Performance of Compression Ignition Engine Fuelled with Diesel-Di Ethyl Ether Blend
	Dr. B.S. Ajaykumar	HVOF sprayed Ni3Ti and Ni3Ti _p (Cr3C2 _p 20NiCr) coatings: Microstructure, microhardness and oxidation behaviour	Journal of Alloys and Compounds ,Vol.736 ,pp. 236-245, 2018 ISSN: 0975-3540 Scopus indexed journal https://maftree.org/eja/index.php/ijvss/article/view/1094 (https://maftree.org/eja/index.php/ijvss/article/view/1094)
5	Mr. M. Umashankar	Vertical Takeoff and Landing (VTOL) aircraft using Tiltrotor Mechanism	International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE), Vol. 5,issue 2,pp.1-4,2018 https://pdfs.semanticscholar.org/53fa/529c5eee2308acbb76da53c53643fa091e71.pdf (file:///C:/Users/Veeru/Desktop/%C2%A0%C2%A0%C2%A0%C2%A0https://pdfs.semanticscholar.org/53fa/529c5eee2308acbb76da53c53643fa091e71.pdf)
6	Mr. M. Umashankar	Proportional Integral Derivative Controller on Boilers Temperature and Flow Control Parameters	International Journal of Pure and Applied Mathematics Vol. 119,issue 14,pp.173-177,2018 https://acadpubl.eu/hub/2018-119-14/articles/3/91.pdf (https://acadpubl.eu/hub/2018-119-14/articles/3/91.pdf)
7	Mr. K.V. Manjunath	Studies on Mechanical properties of Hybrid composites using Jute and E-Glass by Hand lay up and vacuum bagging technique	Global Journal of Engineering Science and Research,Vol.6,issue 2,pp.135-141,2018 Impact factor -5.070 UGC approved journal 2017 (Journal no.-64316) http://www.gjesr.com/Issues%20PDF/Archive-2019/February-2019/20.pdf (http://www.gjesr.com/Issues%20PDF/Archive-2019/February-2019/20.pdf)
8	Mr. Murulidhar .K.S	Study on Desalination and controlling of heavy metal Ion pollution using Graphene oxide	International Journal of Management Technology and Engineering, Vol. 8, Issue 10, pp.664-671,2018 UGC approved journal 2017,(Journal no.-45550) Impact factor- 6.3 http://ijamtes.org/gallery/94.oct%20ijmte%20-%20cw.pdf (http://ijamtes.org/gallery/94.oct%20ijmte%20-%20cw.pdf)
9	Mr. Murulidhar .K.S	Construction of Indoor positioning system using Trilateration and RFFI Finger prints	International Journal of Management Technology and Engineering, vol.8,issue 10,pp.688-694,2018 UGC approved journal 2017,Impact factor- 6.3,(Journal no.-45550) http://ijamtes.org/gallery/98.oct%20ijmte%20-%20cw.pdf (http://ijamtes.org/gallery/98.oct%20ijmte%20-%20cw.pdf)

10	Mr. Murulidhar .K.S	Emission control and fuel efficient by using Aurdino based self regulating Bio mass stove	International Journal of Management Technology and Engineering, vol.8,issue 10,pp.378-391,2018 UGC approved journal 2017,Impact factor- 6.3,(Journal no.-45550) http://ijamtes.org/gallery/57.oct%20ijmte%20-%20cw.pdf (http://ijamtes.org/gallery/57.oct%20ijmte%20-%20cw.pdf)
11	Mr. Ranganath. N	Optimization of process parameters of Cryogenic treatment on Al/Al ₂ O ₃ , Metal matrix composites by Taguchi method for Tensile Strength.	Periodicals of Engineering and Natural Sciences, Vol 6,issue 2,2018 Scopus indexed journal http://pen.ius.edu.ba/index.php/pen/article/view/267 (http://pen.ius.edu.ba/index.php/pen/article/view/267)
12	Mr. Ranganath. N	Characterization of Mechanical and Thermal properties of Bio polymer Nanocomposites	International journal of Engineering Research & Technology, Vol 7, Issue 12, pp.1-8,2018 https://www.ijert.org/characterization-of-mechanical-and-thermal-properties-of-biopolymer-nanocomposites (https://www.ijert.org/characterization-of-mechanical-and-thermal-properties-of-biopolymer-nanocomposites)
13	Mr. Ranganath. N	Characterization of Biodegradable Polymer Subjected Solvent Mixture	International journal of Engineering Research & Technology, Vol 7, Issue 12,pp.97-102,2018 https://www.ijert.org/characterization-of-biodegradable-polymer-subjected-to-different-solvent-mixture (https://www.ijert.org/characterization-of-biodegradable-polymer-subjected-to-different-solvent-mixture)
14	Mr. Rajesh .G.L	High Temperature Wear Properties of Artificially Aged 6061AlB4CpMetal Matrix Composite	Materials Today Proceedings, Vol.5,issue 8,pp.16080–16084,2018 Scopus indexed https://www.sciencedirect.com/science/article/pii/S2214785318310435 (https://www.sciencedirect.com/science/article/pii/S2214785318310435)
15	Mr. Rajesh .G.L	Tensile and Compression Behaviour of Boron Carbide Reinforced 6061Al MMC's processed through Conventional Melt Stirring	Materials Today Proceedings, Vol 5,issue 8,pp.16141–16145,2018 Scopus indexed https://www.sciencedirect.com/science/article/pii/S2214785318310551 (https://www.sciencedirect.com/science/article/pii/S2214785318310551)


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