

**MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**MAR IVANIOS VIDYANAGAR, NALANCHIRA, THIRUVANANTHAPURAM -15**  
**Research Publications**

**Academic Year 2014**

1	VenkataRajagopal,LPSC, Dr. Y VK Sadasivarao,(2014)Static and dynamic response studies of sandwich panels using vibration shaker for sinusoidal and random excitations with PZT strip- National conference on futuristic technologies, pp1-4.
2	Anish A L, Dr. Y VK Sadasivarao,(2014), Finite elementanalysis of Gas forming Process, ". National conference on futuristic technologies, pp 67-71.
3	Bibin Paul M, Dr. Y VK Sadasivarao,(2014), Prediction of Plasticity models for Metal Spinning Process using Abaqus,, ". National conference on futuristic technologies, pp112-117.
4	Ranjith.H ,Remil George Thomas, "Deformation control of work piece fixture system by optimization of clamping forces and
5	HariVenkit, ArunSasi,(2014), Parametric study and optimized Investigation of wear analysis of AZ91D, National Conference on Futuristic Technologies in Mechanical Engineering, 2014 (NCFT 14), MBCET, Trivandrum, pp -203-206.
6	HariVenkit, ArunSasi, Effect of Surface Crack in a Composite Homogeneous Steel Cantilever Beam in Different Conditions by using Finite Element Method - International Conference on Innovations in Design and Manufacturing (iDeM'14), Jan 10-11 2014, Mar Athanasius College of Engineering, Kerala. (Page 48-55)
7	Conference on Futuristic Technologies in Mechanical Engineering, 2014 (NCFT 14), MBCET, Trivandrum, pp -119-124.
8	Prakash,Pradeep M, (2014), Reduction in stress concentration of pin loaded holes on composite plates National Conference on
9	AlenJohn ,Nidhi M.B. "Modelling and Analysis of an Automotive Bumper Used for a Low Passenger Vehicle", International Journal of Engineering Trends and Technology (IJETT), V15(7),344-353 Sep 2014. ISSN:2231-5381. www.ijettjournal.org. published by seventh sense research group.
10	Alen John, Nidhi M.B,Modelling and Finite Element Analysis of Automotive Bumper under Static Loading, National Conference On Advances In Mechanical Engineering (AIME '14), Department of Mechanical Engineering, SNM Institute of Management and Technology, Maliankara P.O.,Moothakunnam, Ernakulam, Kerala, 5th March 2014 , pp.9-13.
11	Alen John, Nidhi M.B , Impact Analysis on the Bumper used for a Low Passenger Vehicle, National Conference On Futuristic Technologies In Mechanical Engineering (NCFT 14), Mar Baselios College of Engineering and Technology, Trivandrum, Kerala , 22nd& 23rd August 2014.
12	Minnu S, Ruby Maria Syriac, Analysis of dynamic behavior of a pre-stretched circular hyper elastic membrane with finite deformation at International Conference on Technological Advancements and Green Governance, 2014 (ICTAGG '14), Sivaji College of Engineering, Manivila.
13	Minnu S, Ruby Maria Syriac, Effect of pre-stretch on circular hyper elastic membrane with finite deformation National Conference on Futuristic Technologies in Mechanical Engineering, 2014 (NCFT 14), MBCET, Trivandrum,pp 16-25.
14	AkashRajan, Minnu S, Ruby Maria Syriac , JayarajKochupillai "Effect of lateral pressure and pre-stretch on a annular circular hyper elastic membrane with finite deformation" Paper ID:376, International Conference on Theoretical, Applied, Experimental and Computational Mechanics 2014 ( ICTACEM ) , IIT Kharagpur. (paper accepted)
15	AkashRajan, Viji B Vijayan, Ruby Maria Syriac, JayarajKochupillai, Effect of tank wall flexibility on the modal characteristics of fluid solid tank Structures , Paper ID: 409, International Conference on Theoretical, Applied, Experimental and Computational Mechanics 2014 ( ICTACEM ) , IIT Kharagpur. (paper accepted )
16	Viji B Vijayan, Ruby Maria Syriac, Finite Element Analysis of Fluid Solid Tank Structures, International Conference on Technological Advancements and Green Governance, 2014 (ICTAGG '14), Sivaji College of Engineering, Manivila.
17	Viji B Vijayan, Ruby Maria Syriac, Finite Element Analysis of Fluid Solid Tank Structures with Slosh, National Conference on Futuristic Technologies in Mechanical Engineering, 2014 (NCFT 14), MBCET, Trivandrum.
18	Mohammad Fazil E., Resmy J. Devan and Kesava Prasad, 'Finite Element Analysis of Turning AISI 1045 with Tungsten Carbide Tool and Prediction of Process Variables by varying the Turning Conditions', National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, 2014,pp.46-53.
19	Deepak B.S, HariVenkit (2014) Synchronization study in Coupled Non Linear System ,,National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, 2014,pp 5-15.

20	Rahul R Nair, Kedar Mohan (2014), Impact Worthiness Analysis on an Automobile frame using different materials, National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, 2014, pp 26-30.
21	Aebysh Abraham, Remil GT, (2014), Vibration characteristics of cracked cantilever beam, National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, 2014, pp 36-40.
22	Jithin u Nath, Anoop M R, (2014), Calculation of Tool wear during cutting process, National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, 2014, pp36-40.
23	Divine K J, Anoop M R, (2014), Finite element analysis of single lap riveted joints, National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, 2014, pp72-76.
24	JerrinSabu, Anoop M R, (2014), Dimensional Variation Analysis of single and Multi station Compliant Assemblies, National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, 2014, pp125-131.
25	Rajeev, Sreejith N K, (2014), FEA of crack in aluminum pipe using Tone Burst Eddy Current Thermography, National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, pp183-188.
26	Shyamsundar, (2014), Optimization and design of single toggle jaw crusher, National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, pp54-60
27	Aravind G, Shyamsundar, (2014), Microstructure analysis of AC8A and AC9A piston alloy with addition of misch metal, National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, pp207-211.
28	Resmy J Devan, Anil kumarSh, Biju S (2014) Numerical studies on the effect of tool geometry and welding parameters in the friction stir welding of AA 2219, National Conference on Futuristic Technologies (NCFT), Mar Baselios College of Engineering and Technology, 2014, pp77-81.