

Dr. M. Ramu,
Associate Professor,
Department of Mechanical Engineering,
Amrita University,
Coimbatore- 641112.
Email : m_ramu@cb.amrita.edu

LAST FIVE YEARS PUBLICATION LIST :

PUBLICATION DETAILS	YEAR
Investigation of heat transfer of wall with and without using phase change material D Arunkumar, M Ramu , R Murugan, S Kannan, S Arun, S Baskar Materials Today: Proceedings	2020
Design and analysis of epoxy granite vertical machining centre base for improved static and dynamic characteristics Prabhu Raja Venugopal, P Dhanabal, PR Thyla, S Mohanraj, Mahendrakumar Nataraj, M Ramu , Harshad Sonawane Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 234(3), 481-495	2020
Characterization of ZrC reinforced AA6061 alloy composites produced using stir casting process TS Kumar, S Shalini, M Ramu , T Thankachan Journal of Mechanical Science and Technology 34 (1), 143-147	2020
Influence of Metal Foam Properties on Performance of Polymer Composite Spur Gear VS Rajan, M Govindaraju, M Ramu , V Satheeshkumar Materials Today: Proceedings 24, 1244-1250	2020
ANALYTICAL MODEL FOR PREDICTION OF EFFECTIVE THERMAL CONDUCTIVITY OF A THREE-PHASE SYSTEM: NANOPARTICLE	2020

<u>AS THE THIRD PHASE</u> SC Raja, LA Kumaraswamidhas, M Ramu Heat Transfer Research 51 (13)	
<u>AN EXPERIMENTAL INVESTIGATION ON THE ENHANCED THERMAL BEHAVIOR OF PACKED BEDS INTEGRATED WITH Al₂O₃ NANOFLUID</u> SC Raja, LA Kumaraswamidhas, M Ramu Journal of Enhanced Heat Transfer 27 (4)	2020
<u>Prediction of pressure dependent effective thermal conductivity of two phase materials in high temperature applications-An analytical method using hexagon and octagon models</u> SC Raja, LA Kumaraswamidhas, P Karthikeyan, M Ramu International Journal of Thermal Sciences 135, 192-205	2019
<u>Biomechanical analysis of implantation of polyamide/hydroxyapatite shifted architecture porous scaffold in an injured femur bone</u> T Kumaresan, R Gandhinathan, M Ramu , M Gunaseelan International Journal of Biomedical Engineering and Technology 30 (1), 16-30	2019
<u>Characterisation of AZ31/ZrO₂ composites produced via stir casting</u> TS Kumar, S Shalini, M Ramu , M Govindaraju Materials Research Express 6 (11), 1165d1	2019
<u>Performance Evaluation of Adhesive Spur Gear with the Influence of Properties of Adhesive</u> R Shailesh, M Ramu , M Govindaraju, K Karthikeyan, V Satheeskumar Advances in Computational Methods in Manufacturing, 923-931	2019
<u>Study on the effect of weld defects on fatigue life of structures</u> SV Adiban, M Ramu Materials Today: Proceedings 5 (9), 17114-17124	2018
<u>Effect of primary and secondary parameters on analytical estimation of effective thermal conductivity of two phase materials using unit cell</u>	2018

approach P Karthikeyan, LA Kumaraswamidhas, M Ramu Heat and Mass Transfer 54 (5), 1323-1335	
Effects of the use of a flat wire electrode in gas metal arc welding and fuzzy logic model for the prediction of weldment shape profile S Karuthapandi, M Ramu , PR Thyla Journal of Mechanical Science and Technology 31 (5), 2477-2486	2017
EVOLUTION OF ELECTRODE GEOMETRY SHAPE AND THEIR WELD QUALITY IN FCAW K Sripriyan, M Ramu Annals of the Faculty of Engineering Hunedoara 15 (3), 107	2017
Effect of mechanical properties and corrosion behavior of sputtered Ti thin film on AA7075 substrate. S Venkatesan, M Ramu High Temperatures--High Pressures 46 (2)	2017
Analysis of Molten Pool Characteristics on Hybrid GMAW Process K Sripriyan, M Prashanth, M Ramu , PR Thyla Asian Journal of Research in Social Sciences and Humanities 7 (10), 142-154	2017
Influence of controlled deposition rate on mechanical properties of sputtered Ti thin films for MEMS application S Venkatesan, M Ramu Materials Science-Poland 34 (4), 735-740	2016
Structural design optimization of roof slab of a pool type sodium cooled fast reactor PC V Prabhu Raja, M Ramu , P R Thyla, Sriramachandra Aithal, V Rajan Babu Advances in Engineering Software 102 (December 2016,), Pages 97–104	2016
Analysis of weld bead characteristics on GMAW by changing wire electrode geometry	2016

<p>K Sripriyan, M Ramu</p> <p>Journal of Achievements in Materials and Manufacturing Engineering 78 (2), 49-58</p>	
<p>A Comparative Study of Conventional and Rapid Prototyping Technique for the Fabrication of Porous Scaffold for Tissue Engineering Applications</p> <p>BPK Kumaresan T, Gandhinathan R, Ramu M, Ananthasubramanian M</p> <p>Biomedicine 36 (3), 036-041</p>	2016
<p>Experimental study of solar assisted winddriven system</p> <p>AGDSS D.Arunkumar, M.Ramu, M.Udayakumar</p> <p>International Journal of Applied Engineering Research 11 (3), 613-618</p>	2016
<p>Conceptual Design and Fabrication of Porous Structured Scaffold for Tissue Engineering Applications.</p> <p>T Kumaresan, R Gandhinathan, M Ramu, M Ananthasubramanian</p> <p>Biomedical Research</p>	2015
<p>Experimental and numerical investigations on roof slab of a pool type sodium cooled fast reactor based on model studies</p> <p>PR Venugopal, Ramu M, PR Thyla, S Aithal, VR Babu, C Perumal, Baldev Raj</p> <p>Annals of Nuclear Energy 85, 1085-1095</p>	2015