

ISSN 0974-584X

### International Journal of

# Mechanical Engineering and Materials Sciences

**VOLUME 13** 

**NUMBER 1** 

**JANUARY-JUNE 2020** 

F-21





SERIALS PUBLICATIONS (P) LTD. New Delhi (India)

#### International Journal of

## MECHANICAL ENGINEERING AND MATERIALS SCIENCE

Volume 13 Number 1 January-June 2020



#### **CONTENTS**

Region Based Image Segmentation Methods Using Medical Images	1-6
An Active Contour for Range Image Segmentation	7-15
Image Segmentation Based on Enhanced Watershed Algorithm	17-23
Comparison of Adult and Infant Ear Images for Biometric Recognition	25-34
An Efficient Video Encryption Scheme Based on Open CV	35-39
Image Compression using Binary Space Partitioning and Geometric Wavelets	41-45
New CAPTCHA Algorithm Based on 3 Dimensional	47-50
Information Science: Contemporary Subject Scope and Periphery	51-56
Analyzing Image Quality VIA Color Spaces	57-61
A Reviewon Methods in Early Detection of Diabetic Retina	63-69
Automatic metadata extraction and retrieval mechanisms for ancient Indian manuscripts	71-76
Sanjay S. Kadam	
Automatic Image Segmentation and Characterization by Dynamic Region	77-81
A Comparative Study in Wavelets and Curvelets as Denoising Biomedical	83-90
Wavelet Based Chromosome Classification for G-Band Chromosomes	91-94
Relative Analysis of Different Edge Operators	95-99