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### **Publications:**

1. A.Umesh Bala\* , R.Varahamoorthi, “Detection of Surface Defects Using Image Processing Approach for Laser Hardfaced Inconel- 625 Surfaces”, Journal of Applied Science and Computations Vol. 5 issue 7, 2018, p96-104, ISSN 765131 UGC Journal No. 41238 IF 5.8
2. A.Umesh Bala\* , R.Varahamoorthi, “Selection of an Intelligent Scheme to Perform the Segmentation Process for Image Processing Technique” International Journal for Research in Engineering Application & Management Vol. 4 issue 4, 2018, P 78-82, ISSN 24549150UGC Journal No. 64077 IF 5.646
3. A.Umesh Bala\* , R.Varahamoorthi, “Microstructure and Surface Morphology Characterization of Laser Hardfaced INCONEL-625 Exposed to Dry Sliding Wear” Journal of Advanced Microscopy Research, Vol. 13 issue 2, 2018, P 239-243, ISSN 21567573UGC Journal No. 26293 IF 0.22
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5. A.Umesh Bala\* , R.Varahamoorthi, “Optimizing the Co 2 - Laser Parameters to Attain the Minimum Wear Rate in Cobalt Based Hardfaced Surfaces” International Journal of Scientific Research in Science, Engineering and Technology,, Vol. 4 issue 1, 2018, P 1-9, ISSN 23944099 UGC Journal No. 47147 IF 5
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9. Dr.K.J.Sabareesaan\*, Dr.J.Jaya, Dr.R.Varahamoorthi, “Performance analysis of various filters for noise removal in EDM electrode surface crack images”, International Journal Of Applied Sciences And Management, Vol. 3 issue 1, 2017, P 317-328, ISSN 2413 3396 IF 4.45
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11. P.Senthil Kumar\*, P.R.Lakshminarayanan, R.Varahamoorthi, “Effect of Holding Time of the Al/TiB Melt at the Pouring Temperature on the Formation and Size of TiB 2 Particles Formed”, Journal of Advanced Microscopy Research, Vol. 11 issue 2, 2016, P 1-5, ISSN 21567573, UGC Journal No. 26293 IF 0.22
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