

## Contents

1. A Frame Work for Printing a Dry Cell using FDM .....1-4  
*Harpreet Singh and Rupinder Singh*
2. Effect of Gas Carburized Process Parameters on Micro-Hardness and .....5-11  
Wear Resistance of EN 353 Steel  
*Balwinder Singh and Pargeet Singh Chauhan*
3. Investigation of Flexural Behavior of Coconut Fiber Reinforced .....13-19  
Fresh/ recycled High Density Polyethylene  
*Harnam Singh Farwaha, Dharampal Deepak and  
Vinay Kumar Gupta*
4. Statistical Study of Biocompatible Hybrid Feed Stock Filament of .....21-25  
Recycled Nylon-Tio2  
*Jatender Pal Singh and Rupinder Singh*
5. Evaluating Potential Failures of Power Transformer Using Failure Mode .....27-32  
and Effects Analysis (FMEA)  
*Jaspreet Kaur and Navneet Singh Bhangu*
6. Experimental Investigations for Tool Life Enhancement of Single Point.....33-36  
Cutting Tool with Cryogenic Treatment  
*Rupinder Singh and Narinder Singh*
7. Statistical Analysis for Wear of Fused Deposition Modelling Assisted .....37-41  
Investment Casting Components  
*Sunpreet Singh, Rupinder Singh and Sanjeev Kumar*
8. Process Capability Study of Selective Laser Sintering for Plastic .....43-47  
Components  
*Rupinder Singh and Ranvijay Kumar*
9. Study the Behavior of High Temperature Hot Corrosion on Uncoated and .....49-55  
Coated Boiler Steel  
*Arun Shah, Jasmaninder Singh Grewal and Kanwalpreet Sahni*