

1. Record Nr.	UNINA9910373901903321
Titolo	Advances in Materials and Manufacturing Engineering : Proceedings of ICAMME 2019 // edited by Leijun Li, Dilip Kumar Pratihar, Suman Chakrabarty, Purna Chandra Mishra
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-1307-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVI, 673 p.)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4356
Disciplina	620.11
Soggetti	Mechanical engineering Industrial engineering Production engineering Control engineering Robotics Mechatronics Mechanical Engineering Industrial and Production Engineering Control, Robotics, Mechatronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Studies on Effect of Fused Deposition Modelling Process Parameters on Dimensional Accuracy of ABS-M30 -- Chapter 2. Performance of Laminated Composite Turbo Machinery Blades using Finite Element Method with Delamination -- Chapter 3. Numerical simulation of Back extrusion process -- Chapter 4. Effect of Two Different Dielectrics on the Machining Performance and Their Parametric Optimization by Response Surface Methodology -- Chapter 5. Optimized Path Planning for Three Wheeled Autonomous Robot Using Teaching–Learning Based Optimization Technique -- Chapter 6. An Efficient Robotic Manipulator Trajectory Planning using Modified Firefly Algorithm.-Chapter 7. 2D Computational Fluid Dynamics Analysis into Rotational Magnetorheological Abrasive Flow Finishing (r-mraff) Process -- Chapter 8. Effect of Red Mud on Mechanical and Microstructural Characteristics of Aluminum Matrix Composites --

Chapter 9. Performance Measurement in Single Point Incremental Forming of Brass Cu67Zn33 through Soft Computing Tool -- Chapter 10. Parametric Analysis on Surface Roughness of Microchannel by Fiber Laser Milling on Zirconia (ZrO₂).

Sommario/riassunto

This book gathers outstanding papers presented at the International Conference on Advances in Materials and Manufacturing Engineering (ICAMME 2019), held at KIIT Deemed to be University, Bhubaneswar, India, from 15 to 17 March 2019. It covers theoretical and empirical developments in various areas of mechanical engineering, including manufacturing, production, machine design, fluid/thermal engineering, and materials. .
