

1. Record Nr.	UNINA9910407736303321
Titolo	Advances in Intelligent Manufacturing [[electronic resource]] : Select Proceedings of ICFMMP 2019 // edited by Grzegorz Krolczyk, Chander Prakash, Sunpreet Singh, Joao Paulo Davim
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-4565-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (220 pages)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4356
Disciplina	670.42
Soggetti	Manufactures Computational intelligence Control engineering Robotics Mechatronics Engineering economics Engineering economy Artificial intelligence Manufacturing, Machines, Tools, Processes Computational Intelligence Control, Robotics, Mechatronics Engineering Economics, Organization, Logistics, Marketing Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Six Sigma Methodology and Implementation in Indian Context: A Review Based Study -- Evaluation of work posture using ergonomics in Indian small scale industry -- Manufacturing Intelligence in the Context of Indian SME's -- Multi-objective optimization of process parameter during dry Turning of Grade5 Titanium alloy with carbide inserts: Hybrid Fuzzy-TOPSIS approach -- Analysis of Factors for Green Supply Chain in Indian Timber Market: An ISM Approach -- The Value Engineering Way: A Case of Industrial Fans -- Obstacles of Flexible Manufacturing System: An AHP Approach for Quantifying the Rank

Given by the ISM Model -- To Find the Effectiveness of Barriers in Reverse Logistics by using ISM -- Optimization of MQL Machining Parameters Using Combined Taguchi and TOPSIS Method -- Life Cycle Assessment Framework for Sustainable Development in Manufacturing Environment -- Artificial Neural Network Models for the Prediction of Metal Removal Rate in Rotary Ultrasonic Machining -- Finding the Percentage Effectiveness of Agile Manufacturing Barriers: An AHP Approach -- Modeling the Knowledge Sharing Barriers in Indian Small and Medium Industries using ISM -- Simulation and Optimization of Flexible Flow Shop Scheduling Problem in an Indian Manufacturing Industry -- Computational Investigation on the Thermal Characteristics of Heat Pipe Using Nanofluids -- Analysis of Barriers to Lean-Green Manufacturing System (Lgms): A Multi-Criteria Decision Making Approach -- Machine Learning Application for Pulsating Flow Through -- Ranking of Factors for Integrated Lean, Green and Agile Manufacturing for Indian Manufacturing Sme's.

Sommario/riassunto

This book consists of select proceedings of the International Conference on Functional Material, Manufacturing and Performances (ICFMMP) 2019, and presents latest research on using the combined intelligence of people, processes, and machines to impact the overall economics of manufacturing. The book focuses on optimizing manufacturing resources, improving business value and safety, and reducing waste – both on the floor and in back-office operations. It highlights the applications of the latest manufacturing execution system (MES), intelligent devices, machine-to-machine communication, and data analysis for the production lines and facilities. This book will be useful to manufacturers of finished goods and of sub-assemblies in the automotive, agriculture, and construction equipment sector. It will also provide solutions to make production strategies exceptional and can be a useful reference for beginners, researchers, and professionals interested in intelligent manufacturing technologies.
