

1. Record Nr.	UNINA9910683346103321
Titolo	Recent Advances in Manufacturing and Thermal Engineering : Select Proceedings of RAMMTE 2022 // edited by Anil Kumar, Mohammad Zunaid, K. A. Subramanian, Heechang Lim
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-8517-0
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (525 pages)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	670.42
Soggetti	Industrial engineering Production engineering Thermodynamics Heat engineering Heat transfer Mass transfer Machinery Industrial and Production Engineering Engineering Thermodynamics, Heat and Mass Transfer Machinery and Machine Elements
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Soy Flour Ash for Adsorption of Cationic and Anionic Dyes from Aqueous Media -- Efficacy of ANN and ANFIS as an AI Technique for the Prediction of COF at Finger Pad Interface in Manipulative Tasks -- Thermal Wear in Disc Brake Friction Pads -- A Fuzzy Multi-Criteria Decision-Making Approach for Finding Energy-Efficient Building Model -- A Theoretical Thermodynamic Analysis of R1234yf/CO2 Cascade Refrigeration System -- Analyzing the Factors Influencing the Electric Vehicle Selection using Fuzzy AHP and TOPSIS-SAW- COPRAS-ELECTRE Framework -- Simulation Modeling of a Greenhouse Integrated with Earth-Air Heat Exchanger System -- Comparative Experimental Model Study of Ethanol-Blended Fuels with Respect to Diesel and Petrol -- Execution of CNG on Two-Wheeler Vehicles -- CFD Analysis of Two-

Phase Ejector Impacts of C-D Nozzle Geometry -- Optimum Location Selection for Smog Tower Installation in Delhi -- Application of Machine Learning Approach in Internal Combustion Engine: A comprehensive Review -- Experimental Validation of Damage Detection in Concrete Beam Under Impact load using Piezo Sensor -- Experimental Investigation For Enhancing Surface Quality in 3D Printing Technology using Non-Planar Layer Method -- Smart System for Monitoring the Toxic Gases in Sewerage System via Wireless Network.

Sommario/riassunto

This book presents the select proceedings of the International Conference on Recent Advances in Materials, Manufacturing and Thermal Engineering (RAMMTE 2022). It broadly covers the topics of manufacturing and thermal engineering. Various topics covered in this book include alternative fuels, automation, mechatronics and robotics, CAD, CAM, FMS, CIM, CN, CFD, failure and fracture mechanics, friction, wear, tribology, and surface engineering, heat treatment, microstructure and refrigeration and cryogenics, heating ventilation and air conditioning system, heat transfer, internal combustion engines, machinability and formability of materials, mechanisms and machines, rapid manufacturing technologies and prototyping, turbo machinery, thermal engineering, and traditional and non-traditional machining processes. This book is useful for researchers and professionals working in the areas of manufacturing and thermal engineering.
