1. Record Nr. UNINA9911015682603321 Autore Chakraborty Suman **Titolo** Advances in Mechanical Engineering Volume 3: Select Proceedings of ICRAME 2023 / / edited by Suman Chakraborty, R. D. Misra, P. K. Patowari, Prasun Chakraborti Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2025 Pubbl/distr/stampa **ISBN** 981-9666-32-5 Edizione [1st ed. 2025.] Descrizione fisica 1 online resource (478 pages) Collana Lecture Notes in Mechanical Engineering, , 2195-4364 Altri autori (Persone) MisraR. D PatowariP. K ChakrabortiPrasun Disciplina 670 Soggetti Industrial engineering Production engineering Materials Thermodynamics Heat engineering Heat - Transmission Mass transfer Industrial and Production Engineering Materials Engineering Engineering Thermodynamics, Heat and Mass Transfer Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Vortex Assisted Controlling Of Chemical Reaction Inside An Electroosmotic Micro-Reactor -- Machinability Study Of The Fabricated Aa6063 Based Metal Matrix Composites Using Wire-EDM Process --Analysis Of Residual Stress Effect On Thin Wall Parts Manufacturing Of AA2014-T651 During Ageing Heat Treatment -- Effect Of P-TIG Welding Technique On The Microstructure And Mechanical Properties Of Dissimilar Welded Inconel 718 And AISI 321 Butt Joint -- Impact Of

> Variation In Compression Ratio On The Emissions And Efficiency Of Karanja Oil Biodiesel Fuelled Diesel Engines -- Acoustic Analysis Of Varying Number Of Louvers In Noise Attenuation -- Positional Acoustic

Analysis Of Noise Attenuation In Louver Window Configurations.

Sommario/riassunto

This book presents select proceedings of the 4th International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2023). Various topics covered in this book volume are intelligent manufacturing systems, tribology, nanomechanics, MEMS, solar thermal energy, design engineering, materials, conventional and non-conventional machining, etc. The book is useful for researchers and professionals working in the different areas if mechanical engineering.