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Titolo	Advances in Materials, Mechanics and Manufacturing II : Proceedings of the Third International Conference on Advanced Materials, Mechanics and Manufacturing (A3M'2021), March 25-27, 2021 // edited by Mounir Ben Amar, Anas Bouguecha, Elhem Ghorbel, Aberrahim El Mahi, Fakher Chaari, Mohamed Haddar
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Descrizione fisica	1 online resource (451 pages)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	621
Soggetti	Mechanics, Applied Solids Materials - Analysis Manufactures Solid Mechanics Characterization and Analytical Technique Machines, Tools, Processes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Prediction Efficiency of the Ultimate Load Capacity of Nut Thread with Insufficient Engagement Length -- Cement Reduction and Strength Development of Con-ventional Mortars by Utilization of Dried Waste Mar-ble Slurry -- Experimental analysis of the crushing of auxetic structure under Compression.
Sommario/riassunto	This book reports on innovative materials research with a special emphasis on methods, modeling, and simulation tools for analyzing material behavior, emerging materials, and composites, and their applications in the field of manufacturing. Chapters are based on contributions to the third International Conference on Advanced Materials Mechanics and Manufacturing, A3M2021, organized by the Laboratory of Mechanics, Modeling, and Manufacturing (LA2MP) of the National School of Engineers of Sfax, Tunisia and held online on March

25-27, 2021. They cover a variety of topics, spanning from experimental analysis of material plasticity and fatigue, numerical simulation of material behavior, and optimization of manufacturing processes, such as cutting and injection, among others. Offering a good balance of fundamental research and industrially relevant findings, they provide researchers and professionals with a timely snapshot of and extensive information on current developments in the field and a source of inspiration for future research and collaboration.

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