

Editorial

The Scientific and Technical Days in Mechanics and Materials JSTMM'2022 took place in Monastir, Tunisia, on December 20 and 21, 2022. They were organized in collaboration between the Laboratory of Mechanical Engineering (LGM) and the Laboratory of Mechanics, Materials and Processes (LMMP), both based in Tunisia, with the participation of the Laboratory Angevin of Mechanics, Manufacturing and Innovation (LAMPA) in France.

This event is a continuation of a tradition of co-organization between Tunisian and French laboratories for the holding of thematic days. Its main objective is to facilitate the exchange of methods, knowledge and know-how between researchers from both shores of the Mediterranean in the fields of mechanics and materials.

It is important to emphasize that the JSTMM'2022 represents the eighth edition of these thematic days organized in Tunisia since 1997. The themes covered in previous editions are varied, ranging from the durability of materials to the contribution of numerical simulations in mechanics and materials. For this edition, the central theme was “Advanced Manufacturing Technology”.

The favored subthemes during JSTMM'2022 included additive manufacturing, non-conventional machining processes and non-conventional forming processes. Among the original contributions, seven conference articles were selected in the sub-theme of **non-conventional machining processes** by the scientific committee of the days. Each article of the present special issue, has undergone careful evaluation by at least two reviewers, in the journal *Matériaux & Techniques*.

This special issue aims to highlight recent advances in the field of **non-conventional machining**, covering various topics such as product design, process development, process simulation, material properties and the analysis of influencing parameters. By exploring these themes, this issue aspires to enrich the understanding and promote the application of non-conventional machining techniques among researchers and engineers, both in academia and industry.

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