



Design of Injection Molding in Sustainable Materials

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Message from the Guest Editor

The injection molding of plastics is currently presented as the most widespread manufacturing process with plastic materials at an industrial level. This highlights the great impact that adequate design and optimization of the molding process can have in the environment, positioning it today as one of the areas of greatest interest in the industrial and research field. The environmental impact of the molding process depends on multiple factors, many of which are directly related to the design of the mold and the use of sustainable materials. The design of green molds has the great advantage of improving the efficiency of the mold in terms of productivity, environmental impact, and the use of new sustainable materials in its manufacture. For all these reasons, the molding process presents multiple opportunities and challenges for researchers in line with current and future sustainability strategies.





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