



The Application of Circular Economy Principles in Product Design and Development

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Message from the Guest Editors

The circular economy (CE) concept has been gaining ground in recent years—in research, industry, and policy making—because of its potential to contribute to several sustainable development goals [1], yet the application of CE principles in product design and development (PDD) remains to be systematically explored and further exemplified [2]. As the product design phase has a significant influence on the circularity and sustainability performance of product [3,4], it is key to provide practitioners with the right methods, tools, and indicators to design more circular and sustainable products, services, and systems [5–8]. Throughout the PDD process, designers, material engineers, and product managers are making design choices that will ultimately determine the circularity potential of products, among other criteria such as cost, quality, or production time [9–11]. This Special Issue aims to collect state-of-the-art research on the application of CE principles in PDD, to foster the actual uptake of CE-related design methods and tools in industry.





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