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Circular Materials

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Message from the Guest Editors

Materials are designed and processed using primary resources and different transformation processes. These processes can be physical, chemical, mechanical, or a combination of all these. This is true for all classes of materials (metals, plastics, ceramics and glasses, composites, etc.). Energy is consumed, and releases to the environment may occur during these steps.

Materials must fulfil different specifications, each corresponding to application requirements. During their service life they must keep the level of the required properties as constant as possible. After use and age, they become wastes, which may be converted into new resources if recycling processes are involved.

Thus, materials must now also fulfil circularity requirements. This means that they must be designed to be sustainable from the cradle to the grave. Resources saving, reducing, reuse, and recycling must become prerequisites for materials' circularity. This Special Issue is open to all contributions bringing innovations and new concepts in these fields.

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Message from the Editor-in-Chief

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