



## Advances of Sustainability Research: A Canadian Perspective

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### Message from the Guest Editors

Human-induced climate change is one of the greatest global crises of our time. The construction industry alone is responsible for producing 36% of the world's total CO<sub>2</sub> and 35% of the world's total waste annually. In addition, tons of industrial waste is disposed of in landfills causing environmental pollution. Thus, tackling the waste issue is also a priority. Similarly, the lifecycle of engineering materials is a significant contributor to the environmental footprint with respect to CO<sub>2</sub> emissions and other environmental impacts. As such, the circular economy is a novel paradigm to supplant the classic take–make–dispose model. Canadian researchers are developing new sustainable techniques to minimize waste and reduce CO<sub>2</sub> emissions across many industries. The scope of which covers material selection and design, functional design practices, manufacturing, operations management, as well as supply chain development and management. The proposed research in this Special Issue is being conducted directly in partnership with community stakeholders, providing application-based and multi-disciplinary contexts for solving pertinent and complex real-world challenges





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## Message from the Editor-in-Chief

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