



Green Development of Industries and Sustainable Use of Resources in the Industrial Sector

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Message from the Guest Editors

The rapid development of the industrial sector has caused a substantial surge in energy consumption, pollutant emission and waste generation, which has, in turn, triggered severe environmental repercussions—ranging from natural resource depletion to climate change. In a bid to mitigate these environmental issues, Energy Conservation and Emission Reduction (ECER) policies have been implemented in many industries. However, most ECER policies is placed on promoting energy efficiency and pollutant abatement technologies in a single industrial sector. Under such circumstances, Circular Economy (CE) approaches, such as promoting Industrial Symbiosis (IS), can enable the utilization of wastes and by-products from one industry as alternative input raw materials or fuels for another. This not only alleviates strict industrial ECER pressures but also significantly reduces the operational cost of industrial plants and saves resources.

This Special Issue will explore the industrial ECER potential in a bottom-up CE approach, by proposing the following generic topics to develop: the green development of industries and sustainable use of resources in the industrial sector.





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