

Special Issue

Marine Biomass as the Basis for a Bio-Based, Circular Economy

Message from the Guest Editors

As the global economy slowly pivots away from its reliance on fossil fuels, there is a growing need for truly sustainable raw material for the emerging bio-based economy. This raw material has multiple end points such as human feed, animal feed, bio-energy, bulk chemicals or the basis for bio-based products such as alternate plastics and bio-materials (termed here as food, feed or feedstocks). Marine biomass offers a number of advantages as the basis for this new economy, including the natural productivity of marine systems, the large amount of space available for the provision of biomass, and that their use beyond human feed is still to be extensively explored. In this Special Issue, we aim to explore the potential provision, conversion and use of various forms of marine biomass, along with the sustainability impacts (economic, social and environmental) of the creation of this new marine bio-based circular economy.

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