



sustainability



Special Issue Reprint

Advances in Sustainable Bioenergy Production and Biomass Waste Reutilization

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Biomass has been an integral part of our civilization since prehistoric times. It has a broad range of applications covering energy, food, specialty chemicals, advanced materials, transportation, constructions and many more, which collectively represent most of our basic needs. Its role as a renewable bioenergy source is becoming increasingly critical lately due to the impact of fossil fuels on our environment and ecosystem. Bioenergy derived from biomass can offer several advantages to our current and future energy supply chain, including being renewable, carbon neutral, widely available irrespective of the geographical location, easily accessible and readily fitting into the current energy infrastructure. As such, in this Special Issue, the latest advancements in sustainable bioenergy production in various aspects are gathered and published, including biomass waste recycling and reutilization. It is hoped that the publications within can fill some of the gaps in our existing knowledge on bioenergy production and biomass waste recycling while simultaneously spurring more in-depth research works in these areas.



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