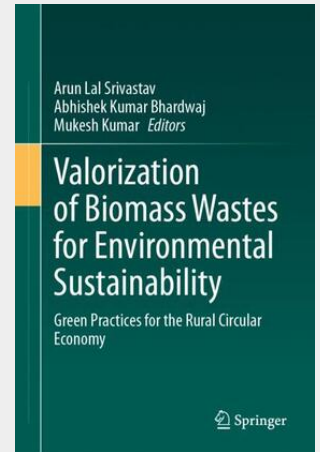


Valorization of Biomass Wastes for Environmental Sustainability

Green Practices for the Rural Circular Economy

This volume discusses the reduction, recycling, and reuse of industrial and agricultural biomass wastes to develop value-added products using environmentally sustainable practices and technologies. Through these waste valorization approaches, biomass waste materials can be converted into useful bio-chemical products, sustainable construction materials, polymers, bio-energy, and bio-fuel as sustainable alternatives to products and materials with negative environmental and health consequences. The chapters highlight the development and implementation of eco-friendly solutions to biomass waste production with the aim of reducing natural resource deterioration, bolstering rural and small-scale business systems in communities impacted by pollution and climate change, and providing power from residual biomass to broadly reduce environmental impacts through improved waste management practices. The book is intended to be a useful resource for researchers, policymakers, NGOs, government agencies, and local community authorities working in waste management and environmental sustainability.

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