



sustainability



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Advances in Sustainable Valorization of Natural Waste and Biomass

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This reprint brings together some recent advances in the sustainable re-design of natural waste and biomass in different material productions for both textile and non-textile applications. These include a wide array of topics, such as the following: the use of textile waste fibers, i.e., wool as a fertilizer to promote plant growth; the potential of cellulose textiles from hemp biomass; the use of green wood adhesives from sustainable proteins; optimization of the pyrolysis process of biomass; the use of natural wastes in composites preparation, including cellulosic waste as well as leather waste; dye adsorbents prepared from cellulosic wastes; some new methods of environmentally friendly dyeing; and imparting functionality to textiles by using natural ingredients.



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