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| Autore | Sarmin Siti Noorbaini |
| Titolo | Wood Waste Management and Products / / edited by Siti Noorbaini Sarmin, Mohammad Jawaid, Rob Elias |
| Pubbl/distr/stampa | Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023 |
| ISBN | 9789819919055<br>9789819919048 |
| Edizione | [1st ed. 2023.] |
| Descrizione fisica | 1 online resource (242 pages) |
| Collana | Sustainable Materials and Technology, , 2731-0434 |
| Altri autori (Persone) | JawaidMohammad<br>EliasRob |
| Disciplina | 628.4458 |
| Soggetti | Biopolymers<br>Biomaterials<br>Refuse and refuse disposal<br>Green chemistry<br>Waste Management/Waste Technology<br>Green Chemistry |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Wood waste categorization and reuse possibilities -- Challenges and opportunities in wood waste utilization -- Life cycle assessment of output from wood waste -- Concern on wood waste utilization: environment and economic evaluation -- The development and performances of wood waste briquettes in pyrolysis reactor system -- Biochar from wood wastes: properties and recent advances applications -- Wood waste as a renewable energy sources: sustainable ethanol production -- From wood waste to bio sorbent: adsorption characteristics and mechanisms -- Experimental and analysis of composite material based on wood waste -- Present scenario and future scope the used of wood waste in wood plastic composite -- Viability of building materials made of wood waste – sustainability and its performances -- Building material in circular economy: the suitability of wood waste in bio concrete development -- Employment of wood waste in agriculture: recent trends and advancement -- Potential used of residual sawdust – a versatile, inexpensive and readily |

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| | available bio-waste -- Potential used of residual wood bark – chemical compositions and its potential used -- Potential used of residual wood shavings – an economic sustainable production -- Potential used of residual peeler core – scrutiny of small-log processing. |
| Sommario/riassunto | This book examines the application of wood waste in various advancements in environmental fields, such as construction, renewable energy, bio-absorbent, and agricultural and wood-based material. Featuring illustrations, and tables summarizing the latest research, it gathers up-to-date information on the application of various types of wood waste which could be applied in a practical manner to materially reduce nuisance created by fallout of wood-based industries from different sources. Given its scope, the book is a valuable reference book for research students and reference resources for researchers, academics, and industrial scientists working in the field of wood waste management and their utilization. |