

1. Record Nr.	UNINA9911011351903321
Autore	Amziane Sofiane
Titolo	Bio-Based Building Materials - Proceedings of ICBBM 2025 : Volume 2 / / edited by Sofiane Amziane, Romildo Dias Toledo Filho, M'hamed Yassin Rajiv da Gloria, Jonathan Page
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-92874-1
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (1115 pages)
Collana	RILEM Bookseries, , 2211-0852 ; ; 61
Altri autori (Persone)	Toledo FilhoRomildo Dias da GloriaM'hamed Yassin Rajiv PageJonathan
Disciplina	691
Soggetti	Building materials Biomaterials Materials - Analysis Sustainability Biopolymers Building Materials Materials Characterization Technique
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	An innovative experimental approach to assess binder plant particle compatibility in plant-based concrete -- Thermo mechanical behaviour of fossil-based and bio-based polyurethane foams for building construction -- Isolation of Yeasts from Construction Materials and Their Potential for Microbially Induced Calcium Carbonate Precipitation -- Evaluation of Chemical Properties of Biomass Ashes from Agricultural Residues in Vojvodina Serbia -- Effects of Cement Substitution with Locally Available Waste Materials on the Restrained Shrinkage of Masonry Mortars.
Sommario/riassunto	This book gathers peer-reviewed contributions presented at the 6th International Conference on Bio-Based Building Materials (ICBBM), held in Rio de Janeiro, Brazil on June 17-20, 2025. Focusing on bio-based building materials (3BM) as well as their applications in sustainable

building constructions, the contributions highlight the latest findings in this fast-growing field, addressing topics such as natural fibres- and aggregates, ramped earth, innovative hybrid composites based on bio-based ingredients, novel sustainable binders, energy efficiency aspects- and life cycle analysis of these materials.
