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| Autore                  | Ottmann Daniela A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Titolo                  | Ecological Building Materials for Deserts and Drylands / / by Daniela A. Ottmann                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Edizione                | [1st ed. 2022.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Descrizione fisica      | 1 online resource (141 pages)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Collana                 | SpringerBriefs in Geography, , 2211-4173                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Disciplina              | 324.120286<br>691.0286                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Soggetti                | Geography<br>Architecture<br>Materials science<br>Bioclimatology<br>Climatology<br>Materials Science<br>Climate Change Ecology<br>Climate Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nota di contenuto       | Introduction -- Chapter 1. BauKlima/ BuildingClimate -- Chapter 2. BauStoff/ Building Matters -- Chapter 3. KlimaStoff/ (Future) Climate Matters -- Bibliography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sommario/riassunto      | This book examines prospective climate adaptive building materials in desert and drylands in the context of climate change, desertification, urbanisation demands, and the consequent sustainable urban development challenges. This preliminary collection of ecological materials covers the characterisation of biotic and abiotic resources for materials, their specifications and benefits for adequate bio-climatic design and construction. Particular emphasis is given to ecological composite materials for advances in desert architecture. Based on the initial collection, the book culminates with potentials for new ecological building materials. The "eComposite Combinator" matrix offers |

potential research recipes and encourages the reader to conduct further climate-matters related research.

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