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Collana	Green Energy and Technology, , 1865-3537
Disciplina	621.042 333.794
Soggetti	Renewable energy sources Wind power Water-power Solar energy Photovoltaic power generation Sustainability Renewable Energy Wind Energy Hydroenergy Solar Thermal Energy Photovoltaics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Proposal of a Colombian refrigeration potential map based on solar powered absorption cooling systems -- 2. Evaluation of Univariate Time-Series Models for Short-Term Solar Energy Forecasting -- 3. Carbon-based perovskite solar cells: The future photovoltaic technology -- 4. Design and instrumentation of a batch type bioreactor for the organic fraction fermentation of urban solid waste -- 5. Design of Combustion Equipment for Residual Biomass at Laboratory Scale -- 6. Towards the Hydrogen Economy in Paraguay: end-uses of green

hydrogen potential -- 7. Analysis of Two-Dimensional Airfoils Models as Harvesters of Energy -- 8. Environmental and ecotoxicological impact of alternative energies: An Improvement's opportunity for Latin America -- 9. Design and Implementation of a web-based Residential Energy Assessment Platform: A Case Study in Cuenca-Ecuador -- 10. Analysis and Evaluation of Energy Efficiency in Buildings based on Building Information Modeling -- 11. Strategies to reduce energy curtailment in a power system with high penetration of renewable energy, case of study San Cristobal - Galapagos -- 12. Energy and economical study of different renewable energy technologies for domestic hot water production under the climatic conditions of the main cities in Ecuador -- 13. Impact of the Biodiesel blend (B20) strategy "Club de Biotanqueo" (Biofueling Club) on the social-economic and environmental aspects in Medellín, Colombia.

Sommario/riassunto

The 2021 Congress on Research, Development and Innovation in Renewable Energies (CIDiER 2021) aims to promote international collaboration that fosters ideas and dialogue on developing a solution to climate change through research and development that leads to clean energy innovation via renewable energies. These selected papers cover both theoretical and applied research that will strengthen the implementation of renewable energy projects between universities, research centers, and private companies. Presents leading-edge research on advancing renewable energy; Promotes international collaboration; Covers biomass, hydraulic, hydrogen, tidal, solar, and wind energy.
