

## Reducing CO<sub>2</sub> Emissions Through Renewable Energy: Literature Review and Bibliometric Analysis

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### **Abstract**

One of the biggest challenges in the world today is the increasing carbon dioxide emissions, which contribute significantly to global warming and climate change. One solution to this problem is the rise of renewable energy, which has shown positive results in recent times. The purpose of this study is to look at the progress in research on tackling carbon dioxide emissions through renewable energy around the world. This study used Scopus to conduct a bibliometric analysis of a number of articles published from 2014 to 2024. In addition, the structure of the research is illustrated with co-cited references, emerging keywords, and reference citations through bibliometric analysis. Furthermore, by comprehending this relationship, promote energy efficiency can be developed and more effective regulations can be formulated to meet emission reduction targets. In addition to being academically significant, this discovery has broad practical implications because lowering emissions improves environmental protection and public health.

**Keywords:** bibliometric analysis; literature review; CO<sub>2</sub> emissions; renewable energy