



# Review of measurement of sustainable development goals: a comprehensive bibliometric and visualized analysis

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## Abstract

The global focus on evaluating environmental performance means that sustainable development goals must be prioritized to preserve environmental sustainability. In order to accomplish the SDGs, it is crucial that activities be preferred and that methods be developed to assess their effectiveness. As a result, the techniques used for the measurement and assessment of the SDGs have increased in significance for all countries. Researchers and academics create these technologies through research and invention. By undertaking a bibliometric analysis, this study aims to identify the scholarship in the area of SDG assessment and measurement. The analysis was produced by collecting the related studies from the Web of Science database. The information was retrieved, and a thorough and organized analysis was done to give crucial insights on the chosen issue. The analysis revealed the most often cited articles, important institutions that contributed, leading research-involved nations, and institutions. To evaluate the varied collection of techniques accessible for the goal of evaluating SDGs, a thorough review of the most cited works is conducted and provides a bird's eye view of research on mechanisms for measuring the outcomes of SDGs.

**Keywords** Sustainable development goals · Sustainability assessment methods · Bibliometric analysis · Literature review

## Introduction and literature review

The world's leaders reaffirmed their commitment to adopting the Sustainable Development Goals under the auspices of the United Nations General Assembly (UN) (SDGs) (Allen

et al. 2017; Li et al. 2023). These objectives, which were relevant to 196 countries, were seen as crucial for progress, prosperity, and safeguarding the world from the dangers of unwise development. The SDG comprise 17 goals which are further subdivided into 169 targets and 243 indicators (Janoušková et al. 2018). The SDGs are built on and an

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