Special Issue

Scientometrics Applications in Building Engineering and Sustainable Development

Message from the Guest Editors

Scientometrics is a branch of statistics concerned with measuring and analysing scholarly literature. The measurement of the impact of research papers and academic journals, the understanding of scientific citations, and the use of such measurements in policy and management contexts are all major research issues. According to critics, over-reliance on scientometrics has created a system of perverse incentives, resulting in a “publish or perish” environment that leads to low-quality research. This particular field is applied in many domains and verticals, but is not so famous among engineering applications. Research methods include qualitative, quantitative, and computational approaches. The primary focus of studies has been on institutional productivity comparisons, institutional research rankings, journal rankings, establishing faculty productivity and tenure standards, assessing the impact of top scholarly articles, and developing profiles of top authors and institutions in terms of research performance.

- scientometrics
- bibliometrics
- sustainable materials
- scientometric analysis
- citation tracking tools
- bibliometric software
- building engineering

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

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