



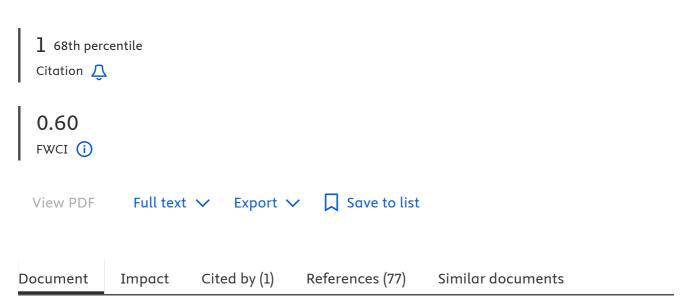


Back

# Evolution of Waste and Circular Economy: Preand Post-Covid-19

Department of Economics, Kulliyyah of Economics & Management Sciences, International Islamic University Malaysia, Kuala Lumpur, Malaysia

#### Show all information



#### **Abstract**

Waste generation is a serious problem in both developed and developing countries, exacerbated by Covid-19. In recent years, circular economy is a promising solution to sustainable waste management. Therefore, this study aims to present the evolution of waste and circular economy research before, during and after Covid-19. A bibliometric analysis of 1,149 scientific articles from the Scopus database in July 2023 was conducted, using Microsoft Excel, Vosviewer and biblioshiny. The results were obtained using standard bibliometric indicators such as publication and citation trends, influential countries, institutions, authors and sources, and keyword analysis. The results show that the number of publications and citations in this field has increased tremendously over the years, indicating the importance of knowledge for both developed and developing countries. The main

actors in this field are both developed (European) and developing countries/institutions. Many sources of the publications are from reputable journals. Keyword analysis shows that waste management is the main topic before and after Covid-19, with plastic and agricultural waste being more prominent after Covid-19. The findings provide some direction for future research and underline the importance of using appropriate tools to undertake a thorough bibliometric study. © The Author(s), under exclusive licence to Springer Nature Switzerland AG 2024.

# Author keywords

Bibliometric; Circular economy; Covid-19; Waste

# Funding details

Details about financial support for research, including funding sources and grant numbers as provided in academic publications.

Funding sponsor	Funding number	Acronym
Ministry of Higher Education, Malaysia See opportunities by MOHE	RACER19-034-0034	МОНЕ
Ministry of Higher Education, Malaysia See opportunities by MOHE    ✓		МОНЕ

#### **Funding text**

This work was supported by the Ministry of Higher Education Malaysia (RACER19-034\u20130034).

# Corresponding authors

Corresponding author	H. Jamaludin
Affiliation	Department of Economics, Kulliyyah of Economics & Management Sciences, International Islamic University Malaysia, Kuala Lumpur, Malaysia
Email address	husnajamaludin@iium.edu.my

© Copyright 2025 Elsevier B.V., All rights reserved.

#### **Abstract**

Author keywords

Funding details

Corresponding authors

# **About Scopus**

What is Scopus

Content coverage

Scopus blog

Scopus API

**Privacy matters** 

### Language

日本語版を表示する

查看简体中文版本

查看繁體中文版本

Просмотр версии на русском языке

#### **Customer Service**

Help

**Tutorials** 

Contact us

### **ELSEVIER**

Terms and conditions 
☐ Privacy policy ☐ Cookies settings

All content on this site: Copyright © 2025 Elsevier B.V. ⊅, its licensors, and contributors. All rights are reserved, including those for text and data mining,

AI training, and similar technologies. For all open access content, the relevant licensing terms apply.

