

## Chapter 9

# Harnessing the Power of Climate Activism: Insights from Psychological Perspectives on Climate Change Engagement—A Systematic Review



Dipanjana Bagchi , Akancha Srivastava , and Bhawna Tushir

**Abstract** Scientific evidence has validated the inevitability of global warming and its effect in the form of climate change. There has been an increase in climate strikes and other forms of climate activism in recent years. It is important to understand the research landscape in psychological literature with regards to climate change and climate activism, to help guide future researchers. The databases of PubMed (Keywords: “climate activism”, “climate change”, “psychology”, n = 1), Google Scholar (Keywords = “climate activism”, “climate change”, “psychology”, n = 200) and Scopus database (Keywords: “climate activism” AND “climate change” AND “psychology”, n = 160) were searched to create the pool of research documents. This was further filtered according to the inclusion and exclusion criteria. In the first section of this article, we have tried to explore the temporal and geographic growth trends of climate change research and collaborations using R (Bibliometric package). In the second section, we have used a text-mining approach to identify the research topics being explored in the climate change literature. R package tm along with associated packages were used to do the processing and subsequent grouping of the themes. In order to refine the classification the identified groupings were supervised by the authors. The final documents have been scoured to extract an overall understanding of the existing concepts explored so far and gauge their impact in the realm of climate change research. This systematic study casts light on the psychological views on climate activism and offers insightful information about the underlying causes that affect people’s involvement in the fight and struggle against climate change. The creation of more effective techniques for encouraging climate activism and utilizing

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RECEIVED 03 May 2024

ACCEPTED 16 August 2024

PUBLISHED 02 September 2024

## CITATION

Bagchi D, Srivastava A and Tushir B (2024)  
Deciphering the global research trends and  
significance of moral intelligence via  
bibliometric analysis.  
*Front. Psychol.* 15:1425341.  
doi: 10.3389/fpsyg.2024.1425341

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# Deciphering the global research trends and significance of moral intelligence via bibliometric analysis

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**Introduction:** Moral Intelligence (MI) as a concept has gained importance in recent years due to its wide applicability in individual, organizational, and clinical settings or even policy making. The present study employed Bibliometric analysis to understand the emerging topics associated with MI and its global research trend. This paper's primary aim was (i) to explore the temporal and geographic growth trends of the research publication on MI, (ii) to identify the most prolific countries, institutions, and authors, working on MI, (iii) to identify the most frequent terminologies, (iv) to explore research topics and to provide insight into potential collaborations and future directions, and (v) to explore the significance of the concept of moral intelligence.

**Method:** Bibliometric analysis was used to understand the emerging topics associated with MI and its global research trend using the SCOPUS database. VOS viewer and R were employed to analyze the result. Through the analysis conducted, the development of the construct over time was analyzed.

**Results:** Results have shown that Iran and the United States and these two combined account for 53.16% of the total country-wise publications. Switzerland has the highest number of Multi-county publications. Authors from Iran and Switzerland have the most number of publications. Emerging topics like decision-making, machine ethics, moral agents, artificial ethics, co-evolution of human and artificial moral agents, green purchase intention etc were identified.

**Discussion:** The application of MI in organisational decision-making, education policy, artificial intelligence and measurement of moral intelligence are important areas of application as per the results. Research interest in MI is projected to increase according to the results delineated in this article.

## KEYWORDS

moral intelligence, moral injuries, moral measurement, bibliometric and network analysis, VOS view analysis, biblioshiny analysis, moral psychology

## Introduction

Moral intelligence (MI) is an important area of study, as the fast-paced, interconnected world has created unprecedented moral challenges for individuals, institutions, and societies. Researchers are increasingly interested in understanding how moral intelligence can influence decision-making and behavior in various fields, including education, healthcare, and organizational settings. MI intersects with various disciplines such as psychology, ethics, education, and artificial intelligence. This interdisciplinary nature allows for diverse perspectives



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**23 AND 24TH NOVEMBER, 2022 SCHOOL OF LIBERAL ARTS  
AND HUMANITIES, WOXSEN UNIVERSITY, INDIA**

Edited by

Raul V. Rodriguez, Hemachandran K,  
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## 2. Exploring “Nudge” in Mental Health Research: A Systematic Review

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**ABSTRACT:** Mental health stigma can play a crucial role in determining health behavior stemming from the inadequacy of awareness. This consequently feeds the already existing impediments of mental health treatment and mental health-seeking behavior. Stigma is a common problem across several societies globally and intervention is of utmost importance. With the popularity of nudge in shaping choices, the impact of the same in the field of mental health stigma still awaits extensive study. The idea of a “nudge” deals with certain cognitive predispositions that alter behavioral tendencies conducive to developing and preventing pertinent risk factors. Current literature shows that it has been implemented in mental health research as well. This paper explores the role of “choice architecture” in promoting effective mental health decision-making. The databases of CrossRef (Keywords: nudge, mental health, mental health stigma,  $n = 1000$ ), PubMed (Keywords: “nudge”, “mental health” OR “mental health behavior”,  $n = 14$ ), Google Scholar (Keywords = “nudge”, “mental health” OR “mental health behavior”,  $n = 980$ ) and Scopus (Keyword = TITLE-ABS-KEY ((nudge\*) AND (“mental health\*” OR “mental health behavior\*”))),  $n = 7$ ) and filtered according to the inclusion and exclusion criteria, have been scoured to extract an overall understanding of the existing concepts explored so far and gauge their impact in the realm of mental health research. It was revealed that nudge-based intervention strategies could be significantly useful to avert the usual course of the stigma that precedes the decision-making that follows. We have discussed the “Nudge” strategies and techniques which have proved to be useful in this context. Also, implications, future research directions, and scope of research have been discussed in the paper.

**KEYWORDS:** Nudge, mental health, mental health stigma, choice architecture, mental health decision making