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An Overview of Studies on Food Insecurity during and after the Covid-19 Pandemic: A Systematic Review
(2025) *Folia Oeconomica Stetinensia*, 25 (1), pp. 375-402.

DOI: 10.2478/fofi-2025-0019

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Abstract

Research background: Since the COVID-19 pandemic, disruptions in food production have highlighted the renewed importance of ensuring food security. This context motivates the investigation of food insecurity during and after the epidemic. Purpose: The purpose of this study is to conduct a comprehensive analysis of food insecurity research, utilizing bibliometric and thematic analysis techniques. The aim is to identify prevalent approaches or models employed in studying food insecurity and to track the evolving trends in research on food insecurity during and after pandemics. Research methodology: We conducted a systematic search of relevant articles published in scholarly journals between 2020 and 2023, utilizing the Scopus and Web of Science databases. A total of 146 publications were included in the study. Bibliometric analysis was performed using the R-based Bibliometrix library to analyze the characteristics of the literature. Results: Our analysis reveals the diverse range of models and methodologies employed to study food insecurity. Descriptive research and the Logit model emerge as consistently utilized approaches, with the United States and Asia leading in model and methodology adoption. Furthermore, the bibliometric analysis indicates a rapid growth in scholarly interest in food insecurity, demonstrating a global inclination towards understanding this complex issue. Novelty: This study contributes to the existing literature by providing insights into the current landscape of food insecurity research during and after pandemics. It highlights the prevalent approaches and trends in this field, shedding light on areas of focus and potential avenues for future research and collaboration among scientists worldwide. © 2025 Muhammad-Bashir Owolabi Yusuf et al., published by Sciendo.

Author Keywords

Bibliometric Analysis; COVID-19; Food Insecurity; Post Pandemic Era

References

- Al-Nemer, H.A.
The COVID-19 pandemic and global food security: a bibliometric analysis and future research direction
(2023) *International Journal of Social Economics*, ahead-of-print
- Amira, M.S., Man, N., Haris, N.B., Ismail, I.A., Ahmi, A., Maruf, A., Sulaiman, W.
Examining the Trend of Social Science Research on Urban Agriculture: A Bibliometric Review
(2022) *Central Asia & the Caucasus*, 23 (1). 14046091
- Anthopoulos, L.G., Tzimos, D.N.
(2021) *Carpooling Platforms as Smart City Projects: A Bibliometric Analysis and Systematic Literature Review*,
- Aria, M., Cuccurullo, C.
Bibliometrix: An R-tool for comprehensive science mapping analysis
(2017) *Journal of Informetrics*, 11 (4), pp. 959-975.
- Babatunde, K.A., Begum, R.A., Said, F.F.
Application of computable general equilibrium (CGE) to climate change mitigation policy: A systematic review
(2017) *Renewable and Sustainable Energy Reviews*, 78, pp. 61-71.

- De-Bate, R., Himmelgreen, D., Gupton, J., Heuer, J.N.
Food insecurity, well-being, and academic success among college students: Implications for post COVID-19 pandemic programming
(2021) *Ecology of Food and Nutrition*, 60 (5), pp. 564-579.
- Endris, E., Mekonnen, E., Kassegn Amede, A.
Food insecurity and unemployment crisis under COVID-19: Evidence from sub-Saharan Africa
(2022) *Cogent Social Sciences*, 8 (1), p. 2045721.
- Ertz, M.
(2018) *Sustainability in the collaborative economy: A bibliometric analysis reveals emerging interest*, p. 196.
- Gundersen, C., Hake, M., Dewey, A., Engelhard, E.
Food insecurity during COVID-19
(2021) *Applied economic perspectives and policy*, 43 (1), pp. 153-161.
- Hillel, T., Bierlaire, M., Elshafie, M., Jin, Y.
A systematic review of machine learning classification methodologies for modelling passenger mode choice
(2020) *Journal of Choice Modelling*, p. 100221.
- Kousis, A., Tjortjis, C.
(2021) *Data Mining Algorithms for Smart Cities: A Bibliometric Analysis*,
- Kumar, P., Singh, R.K., Shahgholian, A.
Learnings from COVID-19 for managing humanitarian supply chains: Systematic literature review and future research directions
(2022) *Annals of Operations Research*, pp. 1-37.
- Laurenti, R., Singh, J., Cotrim, J.M., Toni, M., Sinha, R.
Characterizing the Sharing Economy State of the Research: A Systematic Map
(2019) *Sustainability (Switzerland)*, pp. 1-21.
- Linnenluecke, M.K., Marrone, M.
(2020) *Conducting systematic literature reviews and bibliometric analyses*, August 2019.
- Lowitt, K., Slater, J., Davidson, Z.
COVID-19, a changing Canadian food-security landscape, and food movements: Findings from a literature scan
(2022) *Journal of Agriculture, Food Systems, and Community Development*, 11 (3), pp. 1-13.
- Mitropoulos, L., Kortsari, A., Ayfantopoulou, G.
A systematic literature review of ride – sharing platforms, user factors and barriers
(2021) *European Transport Research Review*, pp. 1-22.
- Morkūnas, M., Rudienė, E., Ostenda, A.
Can climate-smart agriculture help to assure food security through short supply chains? A systematic bibliometric and bibliographic literature review
(2022) *Business, Management and Economics Engineering*, 20 (2), pp. 207-223.
- Okolie, C.C., Ogundeji, A.A.
Effect of COVID-19 on agricultural production and food security: A scientometric analysis
(2022) *Humanities and Social Sciences Communications*, 9 (1).
- Saengtabtim, K., Leelawat, N., Tang, J., Suppasri, A., Imamura, F.
Consequences of COVID-19 on health, economy, and tourism in Asia: A systematic

review

(2022) *Sustainability*, 14 (8), p. 4624.

- Secinaro, S., Brescia, V., Calandra, D., Biancone, P.
Employing bibliometric analysis to identify suitable business models for electric cars
(2020) *Journal of Cleaner Production*, 264, p. 121503.
- Smith, J.
(2021) *The Impact of the COVID-19 Pandemic on Food Insecurity Among US College Students, a Systematic Review*,
Doctoral dissertation, California State University, Northridge
- Soheli, M.S., Shi, G., Zaman, N.T., Hossain, B., Halimuzzaman, M., Akintunde, T.Y., Liu, H.
Understanding the Food Insecurity and Coping Strategies of Indigenous Households during COVID-19 Crisis in Chittagong Hill Tracts, Bangladesh: A Qualitative Study
(2022) *Foods*, 11 (19), p. 3103.
- Vasilica, I., Silva, R.U.I., Costa, P., Figueira, B., Vaz, L.
(2022) *Original Article Football refereeing: a systematic review and literature mapping*, 22 (2), pp. 388-401.
- Werbińska-Wojciechowska, S., Winiarska, K.
Maintenance Performance in the Age of Industry 4.0: A Bibliometric Performance Analysis and a Systematic Literature Review
(2023) *Sensors*, 23 (3), p. 1409.

Publisher: Sciendo

ISSN: 17304237

Language of Original Document: English

Abbreviated Source Title: Folia. Oecon. Stetin.

2-s2.0-105008955092

Document Type: Review

Publication Stage: Final

Source: Scopus

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