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Mobile Technology in Agriculture: A Systematic Literature Review of Emerging Trends and Future Research Directions

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Abstract

This literature review examines the current trends and future research directions in the use of mobile technology in agriculture from 2014 to 2024. In 2024, a search was conducted on the SCOPUS database, resulting in 2,570 documents published between 2014 and 2024. These documents were analyzed to identify the most frequently cited articles in the SCOPUS database. The search used keywords such as mobile technology, mobile applications, smartphones, and mobile devices in combination with keywords like agriculture, farming, and crop production. The analysis of publication trends revealed a significant increase in the number of documents and citations. Notably, India, the United States, and China emerged as the leading contributors in agricultural technology research. Most publications were conference papers and journal articles, with notable contributions from institutions such as Bina

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agriculture; crop production; farming; mobile technology

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