

## **Bibliometric Analysis of Artificial Intelligence in Academic Libraries**

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The capability of Artificial Intelligence (AI) to identify patterns and generate predictions based on the data can be used to revolutionize the services provided by academic libraries. It is important to identify current research patterns on the use of AI in academic libraries. The study aims to map the bibliometric patterns of the research publications published in open-access journals between 2019 and 2023 on the topic of AI in Academic libraries. The objectives of the study were, to identify the publications related to AI in Academic libraries from 2019 to 2023, and their citation trends, to identify the author's contribution based on the country, to identify frequently used keywords, and to examine the authorship patterns. A bibliometric analysis was carried out on research papers on Google Scholar, Science Direct, and Taylor and Francis databases which discuss AI in academic libraries. The search was performed for research articles published between 2019 and 2023. The search string was "Artificial Intelligence" AND "Academic Libraries", and it was searched through titles and abstracts. At the screening process of the articles, 41 articles out of 52 articles were excluded as per the inclusion and exclusion criteria and 11 articles were finalized and selected for further analysis. The highly productive year was 2023 with 5 publications on the subject of AI in academic libraries. The papers published in 2019 had the highest citations. Authors from 7 countries have contributed to the research on AI in Academic Libraries. AI and Academic /University Libraries were the frequently used keywords of the selected publications. Most of the research articles were written by multiple authors. This study may further help those who wish to map the bibliometric patterns of research articles.

**Keywords:** *Artificial Intelligence, Academic Libraries, Bibliometric Analysis*