

Emerging Trends in Library and Information Science: The Role of Digital Libraries in Academic Research

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ABSTRACT

The field of Library and Information Science (LIS) is undergoing significant transformations, driven by technological advancements and the increasing reliance on digital platforms for information retrieval. One of the most prominent developments in LIS is the rise of digital libraries, which have reshaped academic research and the dissemination of scholarly resources. This paper explores the evolution of digital libraries, their impact on academic research, and the challenges faced by LIS professionals in maintaining and curating digital content. Key trends such as the integration of artificial intelligence (AI), machine learning, and metadata standards into digital libraries will be examined. Additionally, the paper will address the role of digital libraries in fostering open access initiatives and enhancing collaboration across global academic communities. The research highlights the potential for digital libraries to improve the accessibility and sustainability of scholarly information in the 21st century.

KEYWORDS: Digital Libraries, Library and Information Science, Academic Research, Open Access, Artificial Intelligence, Metadata Standards, Information Retrieval
