RESEARCH SUPPORT AND LIBRARIES: CHANGING ROLES IN THE CONTEMPORARY RESEARCH ENVIRONMENT

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Abstract :

Academic libraries have always been closely associated with teaching, learning, and research. Traditionally, researchers have relied on libraries for books, journals, reference sources, and bibliographic databases. The development of electronic resources, online databases, open-access publications, institutional repositories, and digital research tools has significantly changed the research environment. Today, researchers need support not only in finding information but also in identifying reliable sources, managing references, organising research data, selecting appropriate publishing channels, and increasing the visibility of their research.

These changes have also influenced the role of librarians. A librarian is no longer simply someone who helps users locate a book or article. In many academic libraries, librarians are becoming involved in different stages of the research process. They help researchers develop effective search strategies, use scholarly databases, manage citations, understand referencing practices, access open resources, and improve the visibility of their research outputs. This paper discusses the changing role of libraries in research support and outlines the major areas in which librarians can assist researchers. It highlights the importance of collaboration between librarians and researchers and suggests that libraries can contribute more effectively to the research process when their services are planned around the actual needs of researchers.

Keywords : Research Support; Academic Libraries; Scholarly Communication; Research Data Management; Information Services.

Introduction :

Research is an essential part of academic life, and libraries have traditionally supported researchers by providing access to a wide range of information resources. Books, journals, articles, reference materials, and bibliographic databases have been important sources through which researchers explore previous studies and develop their own research. Librarians have also helped users identify relevant information and make effective use of library resources.

Today's situation is different. Researchers can access thousands of journal articles, e-books, research databases, and other scholarly resources without physically visiting a library. At the same time, this easy access has created a new challenge: the enormous volume of available information. Access to information is no longer the only concern. Researchers also need to determine which sources are reliable, which databases are relevant, and how different sources of information can be connected to their research.

The research process itself has also become increasingly digital. Researchers use reference management software, online research profiles, institutional repositories, research databases, and various digital tools for writing, analysis, and collaboration. Open-access publishing has created greater opportunities for sharing research, while the growth of Artificial Intelligence is beginning to influence literature searching, writing, data analysis, and other research activities.

With these changes, the role of the academic library is gradually expanding. Research support has become an important part of modern library services. Rather than simply providing information when requested, librarians can become more actively involved in understanding researchers' needs and supporting them throughout different stages of the research process.

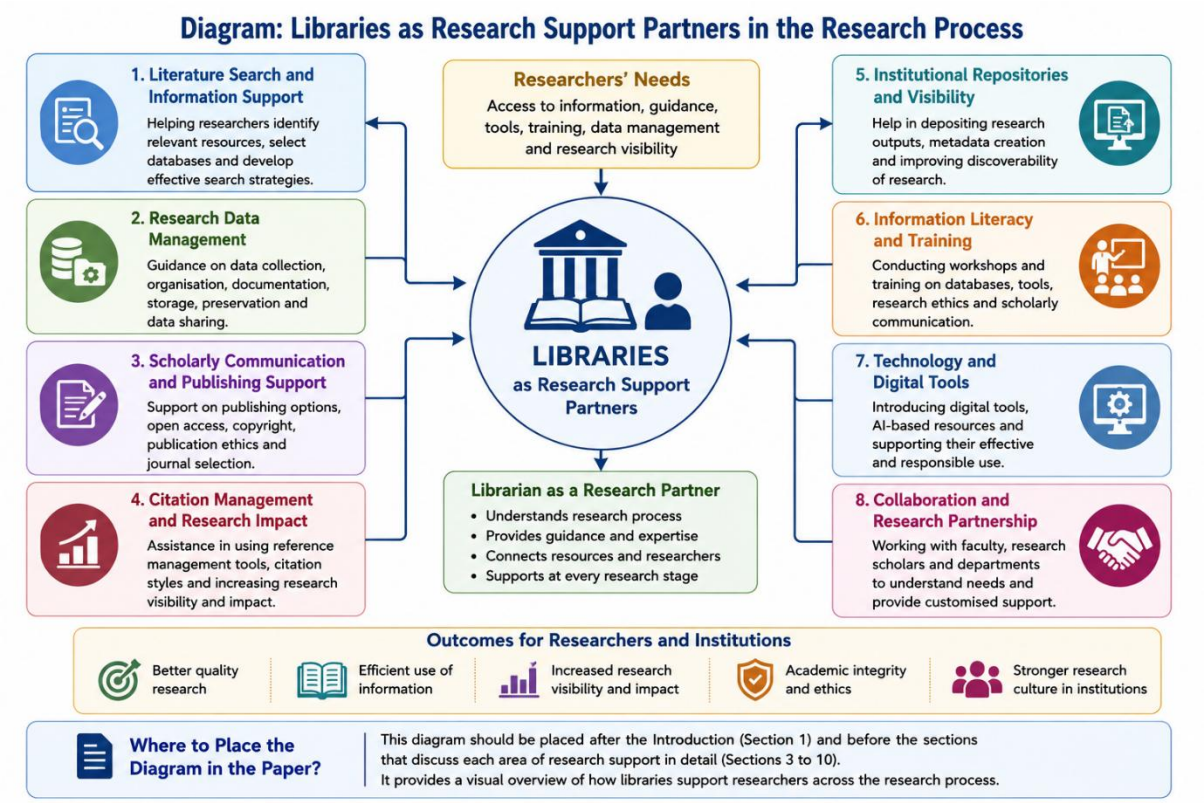
Changing Research Environment :

The growth of digital information has changed the way researchers search for and use scholarly information. In the past, researchers often began their work by consulting library catalogues, printed indexes, bibliographies, and physical journals. Today, they may begin with online databases, discovery services, digital repositories, or scholarly search platforms.

This change has made research faster, but it has not necessarily made the process easier. Different databases cover different subject areas and may use different search interfaces, indexing methods, and retrieval systems. Researchers who are not familiar with these systems may miss important literature even when relevant information is available.

The availability of open-access resources has further expanded the research environment. Researchers can access articles and other scholarly materials through institutional repositories, open-access journals, and other platforms. However, they still need to evaluate the quality, relevance, and reliability of such information. This is an area where librarians can provide meaningful support.

Literature Search and Information Support :



Literature searching is an important area in which librarians can support researchers. Before starting a research project, researchers need to understand what has already been studied, what findings have been reported, and where research gaps may exist.

Librarians can help researchers select appropriate databases and develop effective search strategies. They can explain how to use keywords, Boolean operators, subject headings, truncation, filters, and other search techniques. They can also help researchers identify alternative terms and related concepts, which are particularly useful when searching interdisciplinary topics.

For example, a researcher working on Artificial Intelligence in Education may need to find resources from education, computer science, psychology, and other related fields. Librarians can help identify relevant databases across these areas and suggest ways of combining different search terms. This type of support can save time and improve the quality of literature searching.

Research Data Management :

Contemporary research often involves the collection, organisation, analysis, and use of large amounts of data. Depending on the subject, researchers may collect data through questionnaires, interviews, experiments, observations, or digital sources. Keeping research data organised, secure, and accessible is an important part of responsible research.

Libraries can support researchers by providing guidance on how to organise,

document, store, preserve, and share research data. Librarians can also help researchers understand the importance of metadata, appropriate file formats, documentation, and data preservation.

There may also be ethical and legal issues associated with research data. Data containing personal or confidential information should be handled carefully. Researchers may need guidance on data sharing, access, privacy, and security. As research data management continues to develop as a library service in many institutions, it provides an important area for future library engagement.

Scholarly Communication and Publishing Support :

There have been significant changes in the way research is published and shared. Researchers now have access to open-access journals, institutional repositories, preprint platforms, and other forms of scholarly communication. These developments also raise questions related to copyright, publication ethics, author rights, and the selection of appropriate journals.

Librarians can help researchers understand these areas. They can provide information about open-access publishing, institutional repositories, and basic copyright considerations. They can also help researchers identify suitable journals and understand the importance of reviewing journal policies before submitting a manuscript.

Academic integrity is another important area of research support. Researchers and students need to follow appropriate citation practices and avoid plagiarism. Library workshops and individual consultations can help researchers understand referencing practices, citation styles, academic integrity, and the responsible use of information.

Citation Management and Research Support :

Managing references can become difficult when a research project involves a large number of sources. Reference management tools can help researchers collect, organise, and cite references more efficiently. Librarians can introduce researchers to appropriate tools and provide basic guidance on their effective use.

Librarians can also help researchers understand different citation styles and avoid common referencing errors. This support may appear simple, but it can save considerable time during the research writing and publication stages.

Research visibility is another growing concern. Researchers increasingly want their publications to be discoverable and accessible to a wider academic audience. Libraries can help researchers understand author profiles, institutional repositories, researcher identifiers, and other appropriate ways of improving the visibility of scholarly work.

Institutional Repositories and Research Visibility :

Institutional repositories are an important part of the modern digital academic environment. They provide a platform for institutions to collect, preserve, organise, and provide access to their scholarly output. Depending on institutional policies and copyright conditions, research papers, theses, dissertations, conference papers, and other academic materials can be made available through institutional repositories.

Libraries often play an important role in managing these repositories. Librarians can assist researchers in depositing their work, creating appropriate metadata, and improving the discoverability of research outputs.

A well-managed institutional repository can benefit both researchers and institutions. It can increase the visibility of research, preserve academic work for future use, and provide users with easier access to institutional research outputs.

Librarians as Research Partners :

One of the most important changes in the role of librarians is the transition from being primarily information providers to becoming research partners. Researchers already possess expertise in their subject areas, while librarians have professional expertise in information resources, searching, organisation, metadata, and scholarly communication. Combining these areas of expertise can provide valuable support to the research process.

Librarians may work with individual researchers, research groups, or academic departments. The level of involvement may vary depending on the nature of the research project. In some cases, librarians may assist with literature searches, while in other cases they may provide guidance on databases, research data management, citation management, or scholarly publishing.

This does not mean that librarians take over the researcher's work. Their role is to strengthen the information-related aspects of the research process. When librarians understand the research process and researchers are aware of the support available from the library, both can work together more effectively.

Technology and Research Support :

Technology has become an essential part of modern research support. Library discovery systems, online databases, institutional repositories, research platforms, and reference management tools have made it easier to find, organise, and manage scholarly information.

Artificial Intelligence is now adding another dimension to this research environment. AI tools can help researchers generate ideas, summarise information, identify potential keywords, and support specific research-related activities. However, AI-generated information may contain errors, incomplete information, or misleading references.

Researchers therefore need to verify important information through reliable and original sources.

Libraries can play a useful role in this area by helping researchers understand both the possibilities and limitations of emerging technologies. The aim should not be to encourage researchers to depend entirely on technology, but to help them use digital tools wisely while retaining human judgement and critical thinking.

Collaboration Between Libraries and Researchers :

Effective research support depends greatly on communication between librarians and the research community. Librarians need to understand the actual requirements of researchers rather than assuming that traditional library services are sufficient.

Regular interaction with faculty members and research scholars can help identify emerging information needs. Workshops, individual consultations, research support sessions, and online guidance can provide different ways of reaching researchers and introducing them to available services.

Such interactions can also change the relationship between libraries and their users. Instead of viewing the library simply as a place to access resources, researchers can begin to see it as a research partner that provides specialised support at different stages of their work.

Conclusion :

Research support has become an important part of the modern academic library. The needs of researchers have moved beyond simply finding books and journal articles. Researchers now require assistance with literature searching, research data management, scholarly communication, citation management, publishing, research visibility, and the responsible use of digital technologies.

This changing environment provides an opportunity for librarians to take a more active role in the research process. Their knowledge of information resources, information organisation, and scholarly communication can complement the subject expertise of researchers. However, effective research support cannot be developed by libraries alone. It requires regular interaction and collaboration among librarians, researchers, faculty members, and academic institutions.

The academic library of the future can therefore be viewed as more than a provider of information resources. It can become an active **research support partner**, helping researchers find relevant information, evaluate it critically, use it responsibly, manage their research more effectively, and increase the visibility of their scholarly work. Ultimately, the strength of research support lies in bringing together **the researcher's subject expertise and the librarian's information expertise**.

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