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# A Bibliography on the Impact of Covid-19 pandemic on Education and Libraries

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## Abstract

The study provides bibliographic reference sources on the impact of Covid-19 pandemic on education and libraries around the world. Paucity of reference materials on this contemporary topic prompted the compilation of the bibliography thereby fill a crucial gap in LIS bibliographic literature. This enumerative bibliography is the researcher's effort to provide a single-point reference materials to aid researchers and information seekers to easily find relevant and current literature on the topic. The bibliography puts together sources retrieved from the University of KwaZulu-Natal's library databases: EBSCOhost, Emerald Insight, Google Scholar, Sabinet, and WorldCat and Google.com To optimise the search results, Boolean operators (AND, OR and NOT) were used to combine the keywords to optimize retrievals. The reference sources found were recent materials mainly from e-journals, blogs and online sources. A total of 311 bibliographic sources were retrieved and arranged alphabetically in different source categories.

**Keywords:** Covid-19, education, library, pandemic

## Introduction

The corona virus pandemic has impacted every segment of the global economy including the education sector (Hanushek and Woessmann 2020). As at December 3, 2021, there are 263,563,622 confirmed cases of Covid-19 and 5,232,562 deaths globally (WHO 2021). Due to the changing nature of viruses, the original virus strain SARS-Cov-2 has undergone some mutations, with the new variants namely Alpha and Delta being more transmissible than the SARS-Cov-2 strain (Loconsole, Centrone, Morcavallo, et al. 2021). On November 24, South Africa reported yet a new variant named B.1.1.529 to the World Health Organization (WHO), and on 26 November 2021, WHO designated it as a Variant of Concern (VOC) and named it *Omicron* (CDC 2021), causing further upturn to the global economy and institutions that were already struggling but recovering from the previous strains of SARS-Cov-2 (China daily 2021). At the peak of the pandemic, schools were partially or fully closed forcing over 1.6 billion learners in more than 190 countries to be out of school (UNESCO 2021). The closure of schools precipitated a change in educational delivery from face-to-face to online mode, bringing additional challenges to educational institutions that were hardly prepared for the abrupt changes (Rapanta, Botturi, Goodyear et al. 2020). Emphasizing human interaction in the delivery of literacy programmes, some educational institutions adopted hybrid approaches combining face-to-face instruction with distance learning supported by different technology solutions. The strategies deployed to navigate learning challenges by various institutions across regions vary according to the severity and preparedness of each country (Singh, Steele and Singh 2021). On one end, digital technologies facilitated educational instructions and creation of virtual community of learners to support peer interactions, and at the other, radio and television supported continued learning during the pandemic (Schleicher 2020). Distance learning, however, has posed a range of challenges, including digital divide in terms of infrastructure, the cost of digital tools, and digital skills of educators and learners (Dhawan 2020).

Libraries are not spared from the effects of the pandemic. Academic and public libraries across the globe are having their share of interruption to services offerings to library patrons. The degree of interruption differs across libraries in different countries due to the unique peculiarities and situations posed by the pandemic in those countries. Depending on the situation, libraries have jolted between providing full services, partial services or complete closure (IFLA 2020). In the face of the pandemic, libraries have to plan their operations alongside the mandates from their host institutions as dictated by the local or regional pandemic protocols (Smith 2020). For places with strict Covid-19 measures, libraries have opted for a controlled blend of online and physical library services. This measures in some cases allow patrons to pre-book study spaces, borrow and return books at the counter or drop-off boxes, while returned books are quarantined in line with local health policies. Borrowers at the University of Oxford library (Bodleian library) have the option to use self-scan machines to limit physical contacts in addition to checking out at the counter. California institute library has re-directed some services enabling the use of its facilities for 3D printing of protective equipment for healthcare workers. These shows how the pandemic have altered normal library operations. Due to the pandemic, libraries have offered amnesty on borrowed books as a goodwill gesture to patrons (IFLA 2021). Importantly, libraries have encouraged patron to use online open access resources and databases on the library web portal to access electronic resources to meet their information needs. Patrons have also been advised to use online-mediated methods to obtain services and resolve queries. The digital first approach implemented by most libraries during the pandemic prioritises the safety of patrons while at the same time ensuring access to information resources. In full closure library staff work from home and provide direction and guidance on the use of library resources and services mainly via email and other communication platforms approved by the library management (Guernsey, Prescott and Park 2021).

The pandemic has thrown enormous challenges to the education and library sector, prompting research into a deeper understanding of its impacts. A bibliography to help researchers to easily find information on this topic is therefore necessary. A search of literature reveals a dearth of bibliographic sources on this topical issue. Hence, this bibliography contributes to LIS bibliographic literature and provides a single volume resource to aid researchers and information seekers interested in this topic to find current and relevant sources with ease. Hence, this paper compiles enumerative bibliography from different information sources on the impact of Covid-19 on the education and library sector.

### **Methodology**

Methodology describes search strategy and techniques used in compiling the bibliography. University of Kwa-Zulu-Natal (UKZN) library database web portal was used to find and retrieve current and relevant bibliographic sources on the topic. The databases consulted are; Cambridge Core, EBSCOhost, Emerald Insight, Google Scholar, Google.com, JSTOR, Sabinet, Wiley Online Library, and WorldCat. Only sources from journal articles, printed books, e-Books, newspapers, and internet sources were used for the compilation.

### **Search Strategy**

The researcher used University of Kwa-Zulu Natal (UKZN) databases to search for the bibliographies. The research used keywords such as Covid-19, Education and Library. These keywords were used to query each of the selected databases. For every query, the results of the bibliographic information are recorded and the results are further narrowed by refining the search using Boolean operators such as "AND", "OR" and "NOT" to combine or exclude words in a search. This technique aims to retrieve more focused and relevant materials. In some databases, the year of publication is used to refine the search results to retrieve only literature published in a set period. The study used author-date referencing (Harvard style) to compile the bibliography.

## **Databases Used**

The under listed databases were used for the bibliographic compilation

### **Cambridge Core**

Cambridge Core has a wide collection of peer-reviewed academic journals covering subjects across the humanities, social sciences and science, technology and medicine. The researcher searched the database with the search terms “education and covid-19 and libraries and few articles were retrieved.

### **EBSCOhost Database**

EBSCOhost database was searched using keywords; Covid-19, Education and Library. The search produced quite a handful of bibliographic information on the topic. The database offers a variety of proprietary full-text databases and popular databases from leading information providers.

### **Emerald Insight**

The researcher also used Emerald Insight database which is a comprehensive collection of peer reviewed management journals providing full-text access to 150 journals and reviews from 300 management journals. This database covers most of the management sources but does have information on COVID-19 pandemic. There is icon key that shows the user if they have full or partial access to the article.

### **Google Scholar**

Google Scholar is a database of scholarly literature. It connects users with studies and journal articles. The search term that was used on this database is Covid-19 AND education AND libraries. Although there were not much materials on library as compared to education and covid-19, the researcher managed to retrieve few sources. Google Scholar can be searched from many academic databases and provides option to cite retrieved article.

### **Google.com**

Google.com is the most used search engine on the World Wide Web across all platforms. This search engine was also used to search for materials relevant to this topic. Google search engine was very useful in the sense that phrase searching technique was used. The search can be narrowed by putting quotation marks in the key words. Search terms that the researcher used are: “Covid-19 and education and libraries”.

### **JSTOR**

JSTOR is an online library of trusted journals, e-books, and primary sources for academic research. A search was done on JSTOR using keywords, Covid-19, education and library, but few results were retrieved.

### **Sabinet**

Sabinet offers online journals originating from or pertaining to Africa. Sabinet African Journals have been available online to clients since 2001. The collection comprises the African Digital Repository and current and completed research. A search was done by the researcher using keywords; Covid-19, education and libraries and quite some items were retrieved.

### **Wiley Online Collection**

Wiley Online Library is a subscription-based database library of John Wiley & Sons that was launched on August 7, 2010, replacing Wiley InterScience. It is a collection of online resources covering life, health, and physical sciences as well as social science and the humanities. A search was done in this database and the compiler retrieved useful results.

### **WorldCat**

WorldCat is a union catalogue that itemizes the collections of 17,900 libraries in 123 countries and territories that participate in the OCLC global cooperative. The database includes other information sources in addition to member library collections.

### **Arrangement of entries**

The bibliographic entries were divided into three sections: Journal Articles, Electronic sources and Books. Entries were arranged alphabetically using the author's surname. All information items specify the database that produced the source.

### **Layout/Style of Entries**

The entries listed in this bibliography will be typed using the author-date system. The following is the Harvard referencing method that guides how entries will be listed in the bibliography.

### **Books by one or more authors**

Surname(s), Initial(s). Date. Title: additional title information. Place of publication: Publisher. (The names of the authors are separated by a comma and those of the penultimate and last authors by the word "and")

### **Books by editors**

Surname(s), Initial(s) (ed) or (eds.) Date. Title: additional title information. Place of Publication: Publisher. (ed.) for one editor and (eds.) for more than one editor.

### **Journal articles by one or more authors**

Surname, Initials. Date. Title of article. Name of Journal volume number (issue): page numbers. (The names of the authors are separated by a comma and those of the penultimate and last authors by the word "and")

### **Electronic sources**

The compiler has put together online sources for the bibliography including reviews and blogs.

### **Conclusion**

This bibliography on the impact of COVID-19 on education and libraries worldwide puts together information sources from different databases and search engines. The scope of the bibliography covered materials on the topic from around the world. The bibliography will be of significance to future researchers, information users, students and all those interested in the topic. It will assist users to quickly get their materials using title and subject indexes prepared for this compilation.

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