



PRE-PH.D. COURSE WORK
PAPER-1: RESEARCH METHODOLOGIES
UNIT-1
TOPIC: E-RESOURCES FOR RESEARCH

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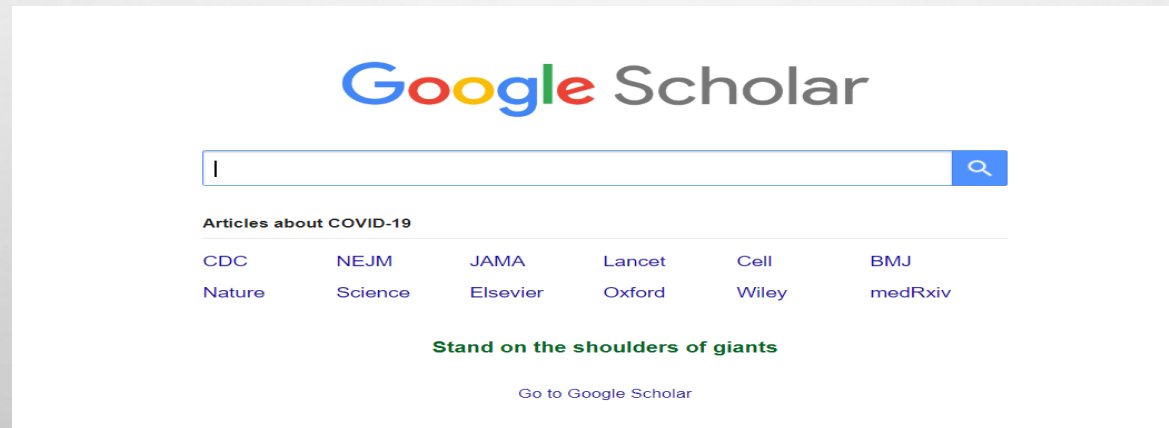
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OUTLINE

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- ❖ How to use Google Scholar?
- ❖ NMEICT Initiatives by MHRD

WHAT IS GOOGLE SCHOLAR?

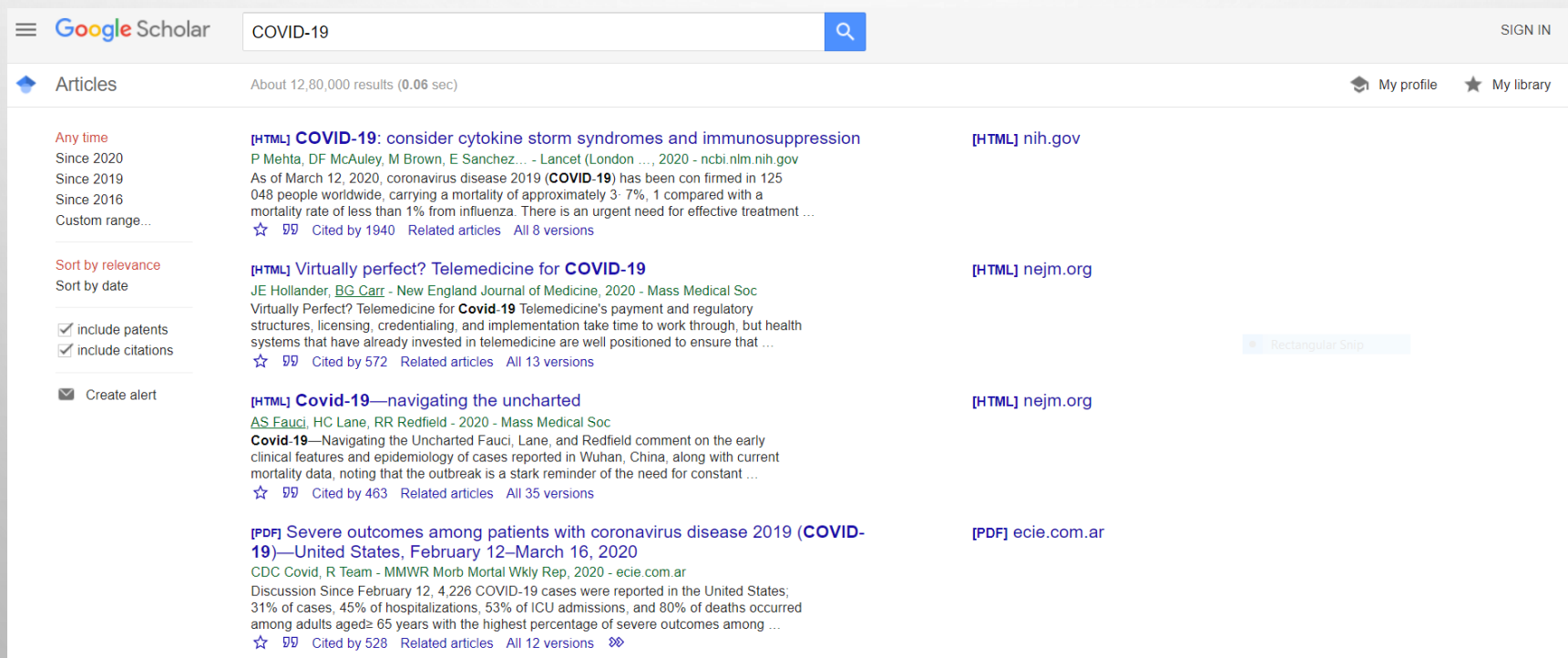
- ❖ **Google Scholar** is a Google product specifically designed for searching academic sources. These include articles, books, dissertations, and abstracts from a wide variety of fields. Google Scholar is free and easy to use via a computer or mobile device and includes a number of helpful features.
- ❖ We can access it through: <https://scholar.google.com/>



Source: <https://www.wikihow.com/Use-Google-Scholar>

HOW TO USE GOOGLE SCHOLAR?

1. Go to the google scholar webpage through <http://scholar.google.com>.
2. Sign in to your Google account. To access some of Google Scholar's services and features, we need to be logged into our Google account.
3. Enter search terms. In the search box, type the key terms for the topic we are looking for. For example if we are looking for articles related to COVID-19 then:



The screenshot shows the Google Scholar search results for the query "COVID-19". The search bar at the top contains "COVID-19" and a search icon. The results are displayed in a list format with filters on the left side. The filters include "Any time" (with sub-options: Since 2020, Since 2019, Since 2016, Custom range...), "Sort by relevance" (with sub-option: Sort by date), "include patents" (checked), "include citations" (checked), and "Create alert" (unchecked).

The search results are as follows:

- [HTML] COVID-19: consider cytokine storm syndromes and immunosuppression** [HTML] nih.gov
P Mehta, DF McAuley, M Brown, E Sanchez... - Lancet (London ...), 2020 - ncbi.nlm.nih.gov
As of March 12, 2020, coronavirus disease 2019 (COVID-19) has been confirmed in 125 048 people worldwide, carrying a mortality of approximately 3: 7%, 1 compared with a mortality rate of less than 1% from influenza. There is an urgent need for effective treatment ...
☆ 99 Cited by 1940 Related articles All 8 versions
- [HTML] Virtually perfect? Telemedicine for COVID-19** [HTML] nejm.org
JE Hollander, BG Carr - New England Journal of Medicine, 2020 - Mass Medical Soc
Virtually Perfect? Telemedicine for Covid-19 Telemedicine's payment and regulatory structures, licensing, credentialing, and implementation take time to work through, but health systems that have already invested in telemedicine are well positioned to ensure that ...
☆ 99 Cited by 572 Related articles All 13 versions
- [HTML] Covid-19—navigating the uncharted** [HTML] nejm.org
AS Fauci, HC Lane, RR Redfield - 2020 - Mass Medical Soc
Covid-19—Navigating the Uncharted Fauci, Lane, and Redfield comment on the early clinical features and epidemiology of cases reported in Wuhan, China, along with current mortality data, noting that the outbreak is a stark reminder of the need for constant ...
☆ 99 Cited by 463 Related articles All 35 versions
- [PDF] Severe outcomes among patients with coronavirus disease 2019 (COVID-19)—United States, February 12–March 16, 2020** [PDF] ecie.com.ar
CDC Covid, R Team - MMWR Morb Mortal Wkly Rep, 2020 - ecie.com.ar
Discussion Since February 12, 4,226 COVID-19 cases were reported in the United States; 31% of cases, 45% of hospitalizations, 53% of ICU admissions, and 80% of deaths occurred among adults aged ≥ 65 years with the highest percentage of severe outcomes among ...
☆ 99 Cited by 528 Related articles All 12 versions

Cont.....

Each search result comes with four options:

1. Clicking on the **star** will **save the article to your library**.
2. Clicking the quotes (**cite**) option will open up a mini-dialog window with references pre-constructed in different styles. This is a very useful window, as it also allows you to **import the article** into different referencing management systems and also gives you **readymade references** in different referencing styles.
3. The “Cited by” count is the number of citations the article has received that have been tracked by Google Scholar.
4. Clicking on “Related articles” will search for articles similar to the current one

The screenshot shows a search result for the article "The impact of query structure and query expansion on retrieval performance" by J Kekäläinen and K Järvelin. The interface includes a star icon for saving to library, a quote icon for citing, a "Cited by 109" link, and a double arrow icon for more options. A "[PDF] semanticscholar.org" link is also present. Blue arrows point from the icons to their respective functions: the star to "Save result to Library", the quote to "Cite article", the "Cited by 109" link to "Cited by others", and the double arrow icon to "More options". A separate arrow points from the PDF link to "Read the full text".

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Default search settings include:

not case sensitive	capital letters of search terms are ignored
AND	search terms are automatically combined using AND
keyword	searches the fulltext of scholarly material, including citation and abstract

Options to refine your search include:

synonyms	Google automatically searches for matching and similar meaning words	tourism finds tourist
"phrase searching"	use quotation marks around phrases	"hearing loss"
OR	results include <i>either</i> search term. OR must be in capital letters	ipod OR mp3
exclude	use - immediately before a search term you want to exclude	ipod -itunes
include	use + immediately before automatically excluded search terms that you want included	+the
intitle:	finds results with your search term in the document title	intitle:mp3
author:	finds results with your search term as the document author	author:Jones
date range	to change from Any time , select an option from left side of the results screen	
document type	Choose Articles or Case law or My library , or deselect include patents	

× Advanced search 🔍

Find articles

with **all** of the words

with the **exact phrase**

with **at least one** of the words

without the words

where my words occur

anywhere in the article

in the title of the article

Return articles **authored by**
e.g., "PJ Hayes" or McCarthy

Return articles **published in**
e.g., J Biol Chem or Nature

Return articles **dated** between —
e.g., 1996

NMEICT INITIATIVES BY MHRD

- ❖ ICT initiatives of MHRD - technology enabled learning - <https://mhrd.gov.in/ict-initiatives>
- ❖ Massive open online courses - <https://swayam.gov.in/>
- ❖ View digital courses on TV - <https://www.swayamprabha.gov.in/>
- ❖ National digital library of India - <https://ndl.iitkgp.ac.in/>
- ❖ E-PG Pathshala - <http://epgp.inflibnet.ac.in/>
- ❖ E-ShodhSindhu: consortium for higher education electronic resources - <https://ess.inflibnet.ac.in/>
- ❖ E-Yantra: an initiative by IIT Bombay that aims to create the next generation of embedded systems engineers with a practical outlook to help provide practical solutions to some of the real world problems - <https://www.e-yantra.org/>
- ❖ The spoken tutorial project: developed at IIT Bombay - <https://spoken-tutorial.org/>
- ❖ Virtual labs : consortium activity of twelve participating institutes and IIT Delhi is coordinating institute - <http://vlab.co.in/>

THANK YOU