

Resources for Research

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Indexes and Abstracts General

Web of Science

- + High impact scholarly journals in the sciences and social sciences, including the geosciences
- + Peer reviewed scholarly journals
- + No grey literature or government reports
- + Allows you to follow the chain of citations



Scopus

+Abstract and citation database of literature released by Elsevier

+Includes scholarly journals, books and trade publications, covering research topics across scientific and technical disciplines



Google Scholar

+ Mix of scholarly articles, grey literature, and works that are not scholarly that slip through the algorithm

+ Does not contain access to any full text except what is freely available on the web

+ No ability to filter by subject heading



Other Potential Sources

- +Academic Search Complete
 - + Contains some science articles, including geosciences

- +Proquest Agriculture and Environmental Science Collection (formerly Environmental Sciences and Pollution Management)
 - + Contains geosciences and hydrology journals

Indexes and Abstracts Specialized

GeoRef

- +Index of geoscience literature, including dissertations, grey literature, foreign literature
- +Thesaurus
- +Put out by American Geosciences Institute
- +Is published on a number of platforms, including EBSCOhost, GeoScienceWorld, Ovid, and more
- +Different platforms will have different features



GeoScienceWorld

- *Provides access to 49 scholarly journals and eBooks
- +Also includes GeoRef records
- +Allows you to filter search results by geologic era and epoch
- +Contains a mixture of peer-reviewed, scholarly, and grey literature (government documents)



Water Resources Abstracts

- +Contains technical and scientific literature on waterrelated topics:
 - + Groundwater
 - + Lakes
 - + Estuaries
 - + Erosion and sedimentation
 - + Water supply and conservation
 - + Watershed protection

SciFinder Scholar

- + This is the database for chemistry literature, Chemistry Abstracts
- + It may contain relevant citations to geochemical literature



Free Full Text Resources

- +USGS Publications

 Database of over 130,000 publications by the U.S. Geological Survey
- + EarthArXiv

 Earth science and planetary science preprints
- + NTRL (National Technical Reports Library)

 Contains some full text materials from the Army Corps of Engineers, NASA, DOE and others.
- + State Geological Surveys Database

 Searchable database of publications from the state geological surveys and USGS factsheets

Datasets and Data Repositories: Geosciences

⋆ Earthchem Portal

Provides access to geochemical and other rock sample data.

+ Pangaea

Open Access library archiving georeferenced data from earth system research

+ Goddard Earth Sciences Data and Information Services Center

+ provide Earth science data, information, and services, including precipitation and hydrology, atmospheric composition, and global land data

+ National Geophysical Data Center

Includes data from the upper atmosphere and space to tsunami and earthquake data

Data and Data Repositories: Water / Hydrology

4 CUAHSI Water Data

Provides access to water data contributed by organizations, primarily universities, from around the world.

+ National Oceanographic Data Center

Contains data on things like beach temperatures, coastal buoy data, ocean currents and salinity.

+ <u>USGS Water Data for the Nation</u>

This USGS site provides access to historic and real-time water data for the U.S.

Questions?

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