

Nuclear Energy

A Reader's Guide To Library Materials



February 2013

¹ "Temelín Nuclear Power Station, near České Budejovice, Cz. Rep", **Britannica Academic Edition**, www.britannica.com/EBchecked/media/94910/Temelin-nuclear-power-station-near-Ceske-Budejovice-Cz

Nuclear Energy, also called Atomic Energy, is energy that is released in significant amounts in processes that affect atomic nuclei, the dense cores of atoms. It is distinct from the energy of other atomic phenomena such as ordinary chemical reactions, which involve only the orbital electrons of atoms. One method of releasing nuclear energy is by controlled nuclear fission in devices called reactors, which now operate in many parts of the world. Another method for obtaining nuclear energy, controlled nuclear fusion, had not been perfected by the late 1980s. Nuclear energy has been released explosively by both nuclear fusion and nuclear fission.²

How to Find Books on the Shelf

To locate books on *Nuclear Energy*, you may use the following call numbers:

333.7924 (B2)	Nuclear Industry
539.7 (B1)	Nuclear Reactions/Reactors
621.48	Nuclear Engineering
628.535	Radioactive Pollution

For further assistance, you may ask a reference librarian in the Main Library or email us at: infobib@bibalex.org

Reference Works

Krivit, Steven B., Jay H. Lehr, and Thomas B. Kingery, eds. **Nuclear Energy Encyclopedia: Science, Technology, and Applications**. Wiley Series on Energy. Hoboken, NJ: Wiley, 2011.

BA Call Number: Ref 621.04203 N9641 2011 (B4 -- References)

Glossary of Nuclear Power Plant Ageing. Paris: Nuclear Energy Agency; Organisation for Economic Co-Operation and Development (OECD), 1999. e-book. OECD iLibrary (database). OECD.

www.oecd-ilibrary.org/nuclear-energy/glossary-of-nuclear-power-plant-ageing_9789264073289-en-fr

² "Nuclear Energy", *Encyclopædia Britannica Online*, academic ed.
www.britannica.com/EBchecked/topic/421564/nuclear-energy

Electronic Resources

The Bibliotheca Alexandrina offers a variety of subscribed electronic databases to meet your research needs. Subscribed databases are only available within the library premises; you can freely access them and email results.

Researchers who own a library membership card may also contact the nearest reference desk to fill in a *Search Request Form* which will be processed by specialized librarians. The results will be emailed directly to the researcher. In addition, researchers can ask for specific electronic articles and/or book chapters to be sent to them, via the following e-mail: e-article@bibalex.org.

Subscribed Databases

Full-Text Academic Articles:

The following databases may include articles on *Nuclear Energy* and related topics:

- **Academic Search Complete.** EBSCO.
- **General OneFile.** GALE.
- **JSTOR.** ITHACA.
- **ScienceDirect.** Elsevier.
- **SpringerLink.** Springer.

Citations of Academic Articles:

The following database may include bibliographical references of articles on *Nuclear Energy* and related disciplines:

- **Scopus.** Elsevier.

Electronic Encyclopedias:

- **Encyclopedia Britannica Online.**

Theses & Dissertations:

- **ProQuest Dissertations & Theses (PQDT).** ProQuest.

e-Books:

ebrary. ProQuest.

ScienceDirect. Elsevier.

SpringerLink. Springer.

Digital Assets Repository (DAR). Bibliotheca Alexandrina.

<http://dar.bibalex.org> [accessed 5 Feb 2012]

Various Resources:

“Nuclear Energy”. **OECD iLibrary.**

www.oecd-ilibrary.org/nuclear [accessed 30 Jan 2013]

Online Databases

“International Nuclear Information System (INIS)”. **International Atomic Energy Agency (IAEA).**

www.iaea.org/inis [accessed 30 Jan 2013]

Subscribed Periodicals

Annals of Nuclear Energy. Elsevier. e-periodical. ScienceDirect (database). Elsevier.

Atomic Energy. Springer. e-periodical. SpringerLink (database). Springer.

Global Nuclear Energy Report. NRG Expert. e-periodical. Business Source Complete (database). EBSCO.

Journal of Fusion Energy. Springer. e-periodical. SpringerLink (database). Springer.

Nuclear Law Bulletin. OECD. e-periodical. OECD iLibrary (database). OECD.

Nuclear Plant Journal. EQES. e-periodical. Business Source Complete (database). EBSCO.

Progress in Nuclear Energy (New series). Elsevier. e-periodical. ScienceDirect (database). Elsevier.

Web Resources

International Atomic Energy Agency (IAEA).

www.iaea.org [accessed 30 Jan 2013]

The Joint Institute for Nuclear Research (JINR).

www.jinr.ru [accessed 30 Jan 2013]

World Nuclear Association (WNA).

www.world-nuclear.org [accessed 30 Jan 2013]

World Nuclear University (WNU).

www.world-nuclear-university.org [accessed 30 Jan 2013]

Organizations

Egyptian Atomic Energy Authority (EAEA).

www.eaea.org.eg

The EAEA is divided into 4 centers:

- The Nuclear Research Centre (NRC)
- The Hot Laboratories and Waste Management Centre (HLWMC)
- The National Centre for Radiation Research and Technology (NCRRT)
- The National Centre for Nuclear Safety and Radiation Control (NCNSRC)

The Nuclear Research Centre (NRC) and

The Hot Laboratories and Waste Management Centre (HLWMC).

Address: Inshaas, Abu Zaabal, 13759 Cairo, Egypt.

The National Centre for Radiation Research and Technology (NCRRT) and

The National Centre for Nuclear Safety and Radiation Control (NCNSRC).

Address: 3 Ahmed El-Zomor Street, Nasr City, Cairo, Egypt.

Alexandria Branch of the Atomic Energy Authority.

Address: 3 El Shahid Mahmoud Shoukry St., Sidi Gaber, Alexandria, Egypt.

Phone: (+203) 4253226 / (+203) 4252840

Fax: (+203) 4252840