

BLIS semester II  
(paper – 5)  
Reference Sources & Services

Topic – **INIS**  
e-content

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## **INIS**

### **(International Nuclear Information System)**

The acronym INIS stands for International Nuclear Information System. INIS sponsored by the International Atomic Energy Agency (IAEA), Vienna started functioning in 1970. It is a cooperative, decentralised computerised abstracting and indexing system providing worldwide coverage of the literature on the peaceful uses of nuclear energy. It processes and merges input provided by its members and redistributes the information in machine-readable form as well as in print form.

INIS is an international co-operative information system, operated by the International Atomic Energy Agency (IAEA) in collaboration with 132 members that include 114 Member States and 19 International Organisations, with over 30 years of experience. INIS maintains a bibliographic database which presently covers over 2.5 million abstracted and indexed records and a comprehensive collection of

over 600,000 of full-texts of INIS scope publications which are not easily available through the commercial channels, thus making it the world's most comprehensive and leading information source on the peaceful applications of nuclear science and technology.

### **Subject Scope**

INIS subject coverage has been developed keeping in view the information needs of the international user community for whom the interests and activities of International Atomic Energy Agency are relevant especially with regard to peaceful applications of nuclear science and technology.

The chief subject areas are: nuclear reactors, reactor safety, nuclear fusion, applications of radiation and radioisotopes in medicine, agriculture, industry and pest control. Besides the above some related fields are nuclear chemistry, nuclear physics and materials science.

### **Literature Coverage**

The literature coverage by the INIS Database includes bibliographic citations and abstracts from relevant scholarly journal articles, R & D reports, papers presented in seminars and conferences, books, patents, theses, laws, regulations and standards. Besides these, the INIS inputting centres located all over the world regularly scan over 2,400 periodicals for articles relevant to the nuclear science field. An important feature of the INIS is the very fact that most of the abstracts of INIS records are in English as a carrier language. This is what has made INIS so popular internationally.

Additionally, the INIS Database also contains bibliographic references to various literature types that include journal articles, books, reports, patents, etc. INIS

Database can be accessed by individual users and institutions in the Member States of INIS and the other cooperating institutions of INIS.

INIS Products and Services

### **1) INIS Database**

The INIS database is one of the leading information sources for worldwide published scientific literature on the peaceful applications of nuclear science and technology and other related fields. It is available from the year 1970 to till date. The INIS Database also includes the economic and environmental aspects of all non-nuclear energy sources published since 1992.

### **2) INIS Non-Conventional Literature (NCL)**

Easy access to the full-text of the non-conventional literature has remained one of the key features of INIS all these years. It is a well known fact that the literature represented in the INIS Database belongs to two chief categories, that is, conventional and non-conventional. The conventional literature is commercially available through normal distribution channels, such as books and journals. On the other hand, the non-conventional literature includes the scientific and technical reports, patent documents, conference papers and theses, which are usually not readily available through commercial channels.

### **3) INIS Web Services**

The INIS web services includes maintaining of links to websites on the Internet in various fields of interest to nuclear science and technology subject and to any other

work related to the IAEA. Besides these, INIS also offers subject access to the contents of the IAEA website and the sites of various

related international and multinational organisations in the field of nuclear science and technology.

#### **4) Marketing and Promotion**

INIS is carrying out extensive marketing and promotion of its products and services, which is handled by the INIS Secretariat in Vienna and the individual member states in the respective countries. At the IAEA Secretariat, the INIS marketing and promotion activities are carried out with the help of online/ CD-ROM demonstrations, by advertisements, by publishing articles in professional journals and by distribution of material, demo CDs, video films and other promotional tools.

#### **5) Training**

A range of training activities provided by INIS meet a number of objectives that include: establishment and improvement of a national information infrastructure, transfer of modern information technology, enabling exchange of scientific and technical information, ensure high quality and coverage of the INIS Database, facilitate maximum utilisation of INIS output products and are responsiveness to a country needs.