



***One day Workshop on  
Acquisition and Selective  
Dissemination of  
Scientific Information  
from INIS and other  
on-line Databases***

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# INIS Database

By

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# What INIS is

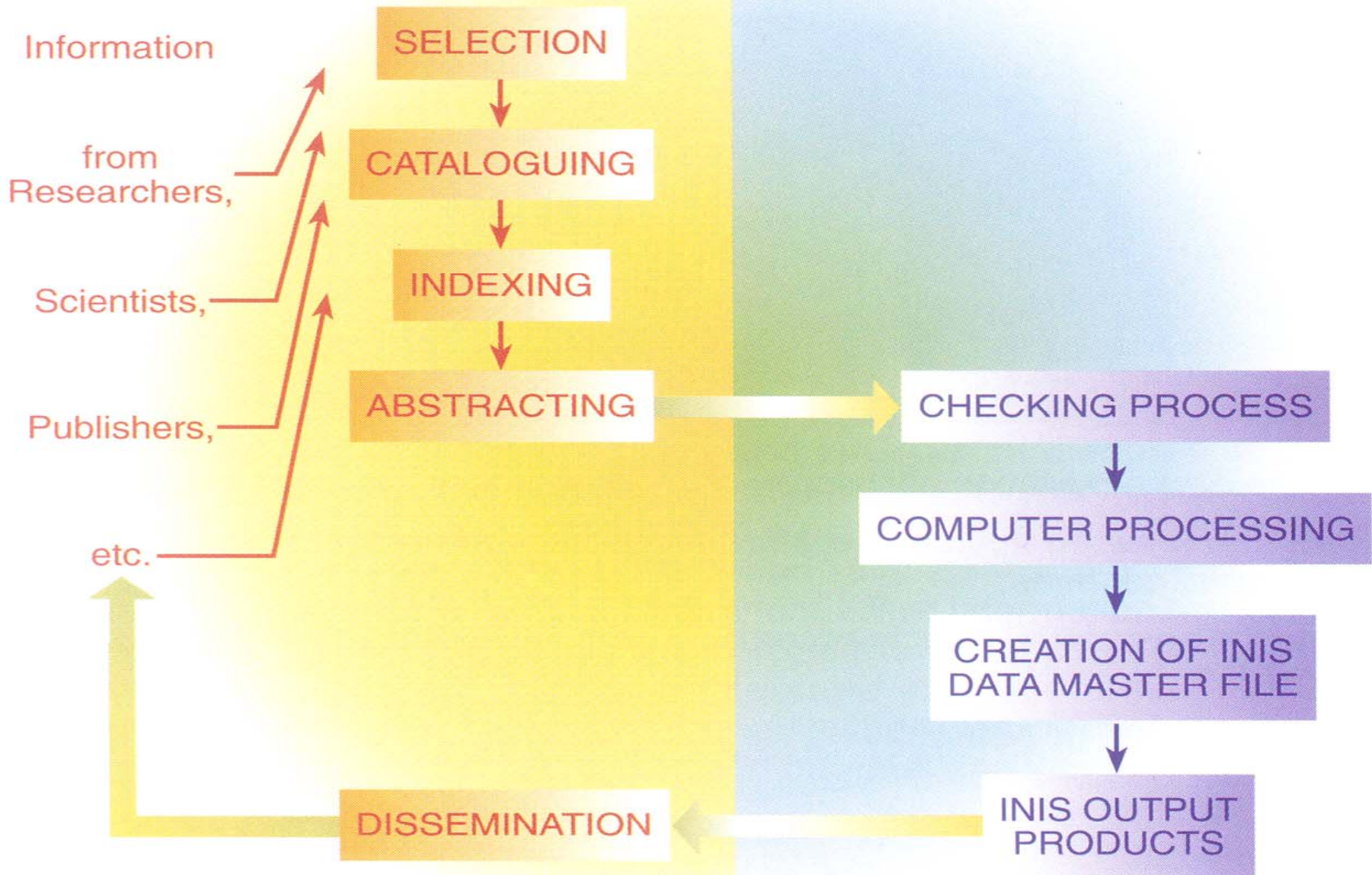
- INIS stands for International Nuclear Information System.
- It is World's leading information system on the peaceful uses of nuclear energy.
- INIS is operated by the International Atomic Energy Agency (IAEA) in collaboration with its Member States & co-operating International organizations.
- INIS is operated as a decentralized system in cooperation with other countries.

# What INIS Does

- INIS provides a comprehensive information service for literature in nuclear science and technology.
- This bibliographic database provides information service for the literature published in the field of Nuclear Science and Technology.
- INIS process most of the world's scientific and technical literature which falls within its scope.
- The subject was developed to respond to the information needs of the international community in the areas of the IAEA's interest and activities covering the peaceful uses nuclear science and technology.

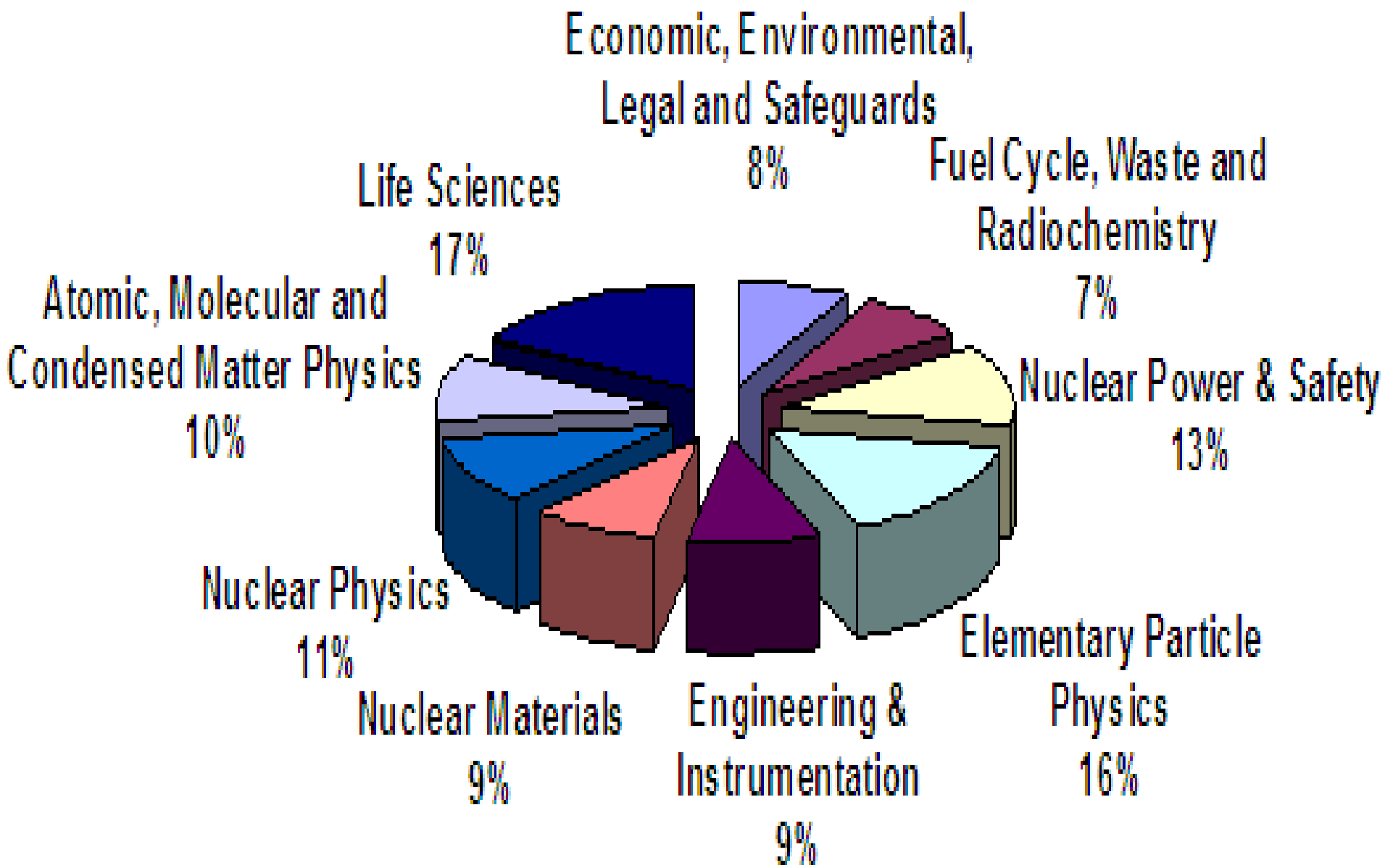
# National INIS Centre

# INIS Secretariat in Vienna



# INIS Scope

- The subject scope was developed to respond to the information needs of the int. community in the areas of IAEA's interests and activities, such as:
- Nuclear Power (Engg. & instrumentation, fission reactors, nuclear fuel cycle, radioactive waste management)
- Nuclear Safety
- Materials of Nuclear Interest
- Environmental aspects
- Economic aspects
- Safeguards, Non-proliferation
- Nuclear applications ( production of isotopes, radiation in agriculture and medicine)
- Radiation protection
- Nuclear aspects of physics (plasma physics, nuclear fusion)
- Nuclear aspects of chemistry ( radiochemistry, nuclear chemistry)
- Legal aspects

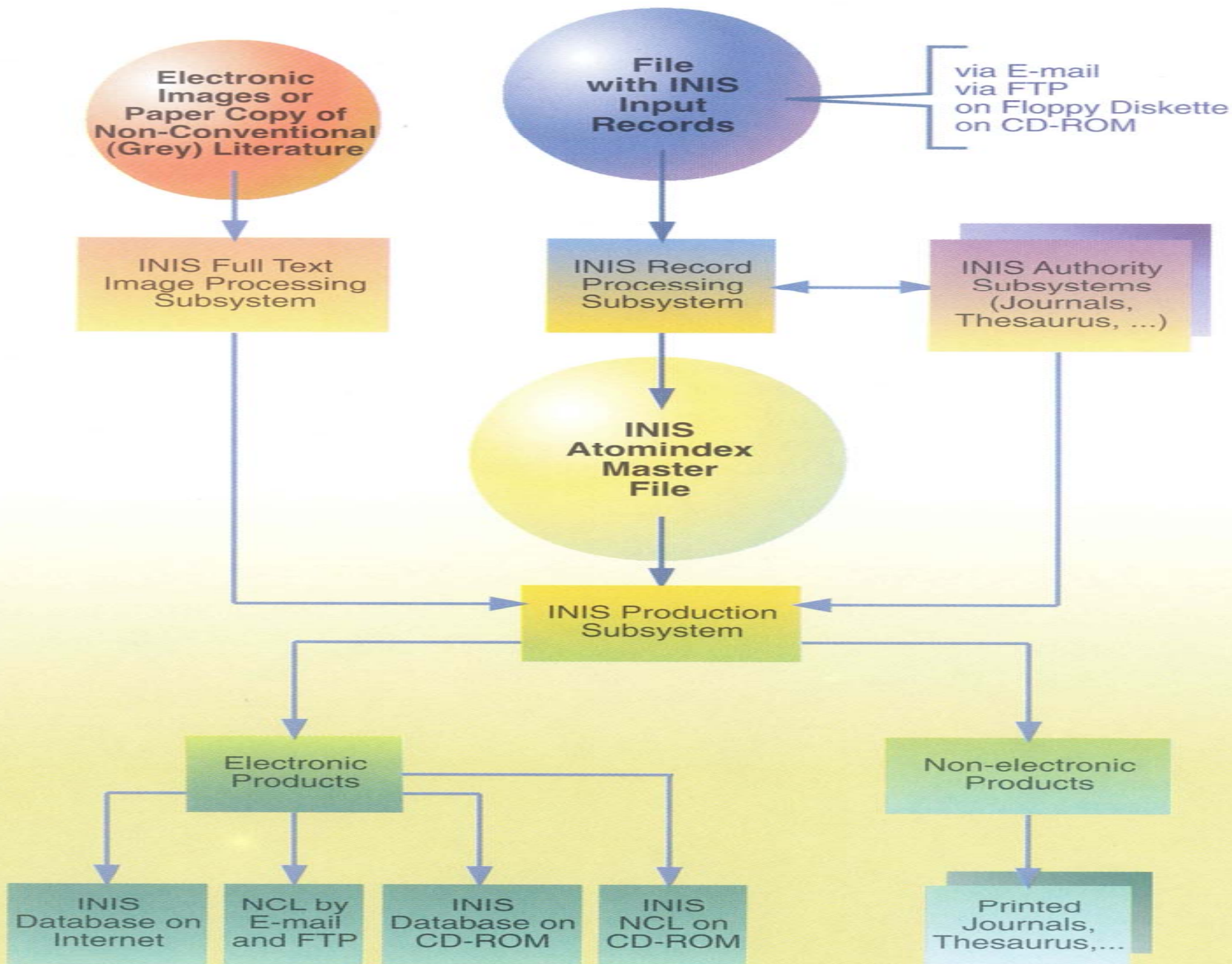


# INIS History

- The origins of INIS go back to 1965.
- In February 1965, Board of Governors of the IAEA approved the setting up INIS.
- First Output products (INIS Atomindex and associated computer tapes) were issued in April 1970.

# INIS Philosophy

- The basis of INIS is international co-operation.
- INIS is operated by the International Atomic Energy Agency (IAEA) in collaboration with Member Countries
- The INIS Database, contains over 3 million bibliographic records up till Dec. 2009
- Annual growth about 70,000 items.
- Unique collection of over 200 000 full-text documents (non-conventional literature i.e. scientific reports, brochure, dissertations, patents, etc. known as "grey" literature–NCL) in 63 languages. These documents are not easily found anywhere else.
- Word wide use of INIS output products as more than 550 000 documents are available in microfiche and electronic form.
- INIS strength is based on this international co-operation. Representation in the system is at governmental level. National INIS Center is responsible for all related activities in its country.



# INIS Members

- Membership in INIS is open to states who are members of IAEA / United Nation.
- Presently, 122 Member States and 24 International Organizations. Active partnerships with other organizations in Member States are also developed.
- Each Member State appoints an INIS Liaison Officer by national authority/executive head of international organization.
- INIS Output products
  - INIS Atomindex file
  - INIS Database on the internet at the IAEA
  - INIS Database on CD-ROM.
  - INIS Non-conventional Literature
- The INIS Multilingual Thesaurus – a major tool for describing nuclear information and knowledge in a structured form, which assists in multilingual and semantic searches.

# Role of Pakistan in INIS

- Pakistan is also INIS Member State
- Usually Head, SID, PINSTECH is INIS Liaison Officer for Pakistan
- SID being National INIS Center for the country is responsible for the collection, selection, categorization, indexing, abstracting and preparation of INIS input from the literature published within the geographical boundary of Pakistan and submission to the INIS Secretariat in Vienna for INIS database.

# Promotion of INIS activities in Pakistan

- Pakistan is supporting all activities of INIS and its promotion in the country
- INIS input is being submitted regularly to INIS-IAEA.
- Its frequency increased from few to hundreds of documents per year.
- Letter of appreciation is being received from IAEA for last many years.
- Literature search is being provided not only to PINSTECH/PAEC but also to other research organizations including universities.
- INIS output product (complete reports etc.) is being provided to the end user almost free of cost.

# Other databases available in SID

- INIS database (1970 to date)
- Books database
- Table of Contents (TOC) of Journals available in the library updates.
- Technical Reports database
- Chemical Abstract database on CD ROM (1977-92)
- INSPEC database on CD-ROM (1989-2002)
- (For details, please visit the website [www.sidnlps.org.pk](http://www.sidnlps.org.pk) ).

Conclusion

Thanks