

Databases of Biomedical Information & Infectious Diseases



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Database and Biomedical Information

1. Organized form of large amount of information or data is Database e.g. dictionary, mailing list
2. Database can be stored on hard disc, floppy disc or CD-ROM.
3. Data stored on CD-ROM can be only retrieved. Erasing or changing data is not Possible e.g. Medline
4. In information retrieval, selectivity and speed are the unique features of computerized DBMS (Database management system)

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International Databases for Biomedical information (On Line/ CD-ROM)

1. **MEDLARS** (Medical literature analysis and Retrieval systems)
Coverage : from 1966
Provider : US National Library of Medicine, Bethesda, MD.
2. **EMBASE** (Formerly Excerpta Medica)
Human medicine and related disciplines
Coverage : From June 1974 from over 4000 journals
Provider : Excerpta Medica, Amsterdam.
3. **Life Science collection** (Life sciences)
Coverage: from 1978 from more than 5000 journals.
Provider : Cambridge Scientific abstracts, Bethesda.
4. **Biosis Previews** (Life Sciences)
Coverage : from 1969
Provider : Biosis, Philadelphia.

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5. **Merck index on line** (drug data and uses)
Coverage : from late 19th century.
Provider : Merck and co.Inc. NJ. USA.
6. **CD-ROM DATABASE** (Biotechnology Abstracts)
(Molecular Biology and Genetics)
Coverage : covers agricultural products and applications.
Both plants and animals food industry, environmental developments, genetic engineering (micro organisms , plants, animals).

Dialog Medical Connection (DMC)

After contract, password and user no. are assigned to every user.
This connection provides access to all databases in biomedical sciences hosted by DIALOG.

E-mail:contact_India@dialog.com

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Advantages of CD-ROM /Offline Database:

1. Provides information to users sitting at a PC
2. Provides instant access to huge amount of informations
3. Allows access to vast databanks from a simple PC
4. One CD-ROM stores up to 600MB of text or data which is equivalent to 2.5 to 3 lakhs A4 size papers
5. User has enormous database at his/her fingertips with no communication charges, no queues for computer access and no time spend searching through libraries, files of archives
6. Most CD-ROM DBs or updated monthly, quarterly or annual basis

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Types of Databases on CD-ROM (Offline):

1. **Bibliographic**- journals, articles, books, reports, conference proceedings
2. **Full text**- entire article of journal, report, conference proceedings, book chapter & entire books
3. **Factual/statistical**- encyclopedias, directories, dictionaries, weather report, maps, gene sequences, standards, company products and process.

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DBs in the field of Biomedicine & health sciences
(available with Medical Informatics & Telemedicine of NIC)

- 1. Medline:**
NLM-USA bibliographic database
Covers 3800 core biomedical journals from 70 countries
3 lakh references are added annually
Updated weekly with app. 30,000 citations during month
Vast storehouse of vital bibliographic biomedical information consisting of 9 million references
Includes creation from Index medicus, index to Dental literature and, international nursing index, Veterinary medicine & the preclinical science
Covers years 1966 to current
- Ovid:**
Official publisher of Medline Database produced by National Library of Medicine, USA. Marketed by VANS Information & Investor Services Ltd., Delhi
- Silverplatter:**
Proquest Medical Library on CD (Medline Database) is prepared by SilverPlatter Information Ltd., London.
Marketed by Informatics (India) Pvt. Ltd., Bangalore

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2. Adonis:

- Document delivery service
Provides access to the articles, research results, case reports and letters to the editor from 800 core journals in the biomedical, chemical and pharmaceutical disciplines.
Journals covered are from 1991 onwards.
- 3. AMED Allied and Complementary Medicine:**
Covers 400 journals related to complementary and allied medicine Subjects journals include acupuncture, terminal care, symptom control, osteopathy, Chinese medicine, homeopathy, rehabilitation, occupational therapy, chiropractic, holistic treatments and podiatry.
 - 4. Drug Information Full-text/IPA:**
Full-text with International Pharmaceutical Abstracts.
Information covered includes all information on drugs, ethics, healthcare, pharmacology, side effect and toxicology.
 - 5. DRUGDEX**
Provides comprehensive monographs on over 1400 drugs by trade name, generic name, and adverse effects
Contains information on dosage, pharmacokinetics, cautions, interactions, and clinical applications
Comparative drug efficacy is also covered.

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- 6. Pascal Biomed:**
Serves as a complement to the MEDLINE database, with special emphasis on European literature.
Has over 3 million references to all major international journals, reports and conference proceedings.

On Internet

- 7. IndMED** (A bibliographic database of Indian Biomedical Research)
Developed by Indian MEDLARS Centre
Covers 67 journals indexed at IMC, TRC, KAMIO and NIMHANS starting from 97 ([www.http://indmed.delhi.nic.in](http://indmed.delhi.nic.in))
- 8. Biomed** (covers 170 biological & Medical journals)
(biomednet.com)
- 9. Medscape** (Different medicine disciplines / diseases)
(medscape.com)

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Medicine and the Internet: A survey of the Information highway
Indrajit et al (National Medical Journal of India, Vol 13, No. 4,193- 201, 2000).

The popular Medical Web sites are

- Galaxy Guide to Medical Topics at <http://galaxy.einet.net/galaxy/medicine.html>
- Lancet Links at <http://www.thelancet.com/newlancet/any/arcade/links.html>
- Medical Student Links at <http://som.flinders.edu.au/FUSA/FMSS/NAMSA/Medicine.html>
- Internet Medical Search Guide at <http://www.pcom.edu/library/clinical.htm>
- Disease Links at <http://www2.mc.duke.edu/depts/plot/current-site/links/jc-bookmarks.html>

Medical News Groups:

- Medical News group database at <http://www.sciencecomm.at/advice/lists.html>
- Hopkins University at <http://world-health.net/newsgrou.html>
- Med- Info.Com Newsgroup database at <http://www.med-info.com/med-newsgroups.html>

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Continuing Medical Education (CME) :

- CME Medscape List at <http://www.medscape.com/home/CMECenter.html>
- CME Web at <http://www.cmeweb.com>
- CME at <http://ahsn.lhsc.on.ca/ce>

Tele Medicine:

- Telemed Links at <http://www.telemedmag.com/links.8html>
- Telemed Today at <http://telemedtoday.com>

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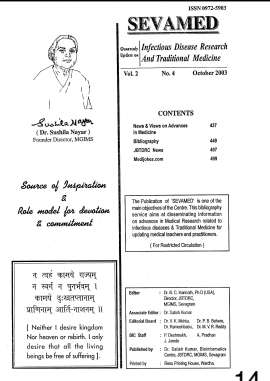
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- Current Awareness Journal
- Launched in 2000
 - SEVAMED Database has been well received by the Scientist and Medical Teachers
 - Today we have many subscribers



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SEVAMED's First Issue was released in the hands of Hon' able Late Dr. Sushila Nayar



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Relevant Bibliography collected from different sources is selected from the junk and made available to the users

Quarterly Current Awareness Service on
Diagnosis, Pathogenesis, Vaccines & Therapy in
Infectious Diseases, Certain Clinical Conditions & Traditional medicine

1.	ALLERGY	449
2.	AMOEBIASIS	455
3.	ASCARIASIS	456
4.	ASTHMA	457
5.	DENGUE	460
6.	DIARRHOEA	461
7.	ENCEPHALITIS	464
8.	FILARIASIS	466
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10.	HEPATITIS	468
11.	LEISHMANIASIS	472
12.	LEPROSY	473
13.	LEPTOSPIROSIS	474
14.	LYMPHADENITIS	474
15.	MALARIA	475
16.	MENINGITIS	477
17.	NOSSOCOMIAL INFECTION	478
18.	PNEUMONIA	479
19.	STRESS	481
20.	TUBERCULOSIS	484
21.	TYPHOID	487
21.	AYURVEDA AND COMPLEMENTARY SYSTEMS OF MEDICINE	487

(Sources : PubMed, Indmed, Indian Science Abstracts & Specialized Journals in Indian Medicine)

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