

**001 – 005 COMPUTER**

**500 GENERAL SCIENCE**

**510 Mathematics**

- 512 Algebra
  - 512.2 Group Theory
  - 512.3 Field Theory
  - 512.5 Linear Algebra
  - 512.7 Number Theory
- 514 Topology
- 515 Analysis
  - 515.35 Differential Equation
  - 515.352 Ordinary Differential Equation
  - 515.353 Partial Differential Equation
- 516 Geometry
  - 519.2 Probabilities
  - 519.5 Statistical Mathematics

**520 Astronomy**

- 523.01 Astrophysics
- 523.1 Universe
- 523.8 Stars

**530 Physics**

- 530.11 Relativity Theory
- 530.12 Quantum Mechanics
- 530.13 Statistical Mechanics
- 530.143 Quantum Field Theory
- 530.144 Problem of Many Bodies
- 530.15 Mathematical Physics
- 530.41 Condensed Matter
- 530.42 Liquid State Physics
- 531 Classical Mechanics
- 532 Fluid Mechanics
- 535 Optics
  - 536.7 Thermodynamics
  - 537.6 Electrodynamics
- 539 Modern Physics/ High Energy Physics
  - 539.7 Atomic Physics/Nuclear Physics
  - 539.72 Particle Physics

**540 Chemistry**

**550 Earth Sciences**

**570 Biology**

- 674.88 Molecular Biology

**600 TECHNOLOGY**

- 620 Engineering and Allied Operations
- 620.11 Material Science
- 621.366 Laser
- 621.3692 Fiber Optics
- 621.381 Electronics

**800 LITERATURE**

- 891.4 Entertainment



\*Not exhaustive

**Journals\***

- Accounts of Chemical Research
- Advanced Materials
- American Journal of Physics
- Applied Optics
- Applied Physics Letters
- Astronomy and Astrophysics
- Astronomy and Astrophysics Review
- Astrophysical Journal & Supplementary Series
- Astrophysics
- Bulletin of the American Physical Society
- Celestial Mechanics and Dynamical Astronomy
- Chemical Reviews
- Classical and Quantum Gravity
- Communication in Mathematical Physics
- Computational Materials Science
- Earth, Moon and Planets
- Ergodic Theory and Dynamical Systems
- European Physical Journal: A, B, C, D, E
- Europhysics Letters
- Experimental Astronomy
- General Relativity and Gravitation
- Geophysics (incl. Leading Edge)
- International Journal of Geometric Methods of Modern Physics
- International Journal of Modern Physics: A
- International Journal of Theoretical Physics
- Journal of American Chemical Society
- Journal of Applied Physics
- Journal of Biomedical Optics
- Journal of Chemical Education
- Journal of Chemical Physics
- Journal of Geometry and Physics
- Journal of Magnetism and Magnetic Material
- Journal of Mathematical Physics
- Journal of Modern Optics
- Journal of Optical Soc. of America: A, B
- Journal of Physical Chemistry: A, B
- Journal of Physics A (Mathematical and General)
- Journal of Physics: B (Atomic Physics)
- Journal of Physics: Condensed Matter Physics
- Journal of Statistical Mechanics: Theory and Experiment
- Journal of Statistical Physics
- Journal of the Acoustical Society of America
- Journal of the Physical Society of Japan
- Langmuir
- Letters in Mathematical Physics
- Mathscinet (multi-journals)
- Modern Physics Letters: A
- Monthly Notices of Royal Astronomical Society
- Nanoletters
- Nanotechnology
- Nature
- New Scientist
- Nonlinearity
- Optics Letters
- Physical Review Letters
- Physical Review: A, B, C, D, E
- Physical Chemistry and Chemical Physics
- Physics of Fluids
- Physics Reports
- Physics Today
- Reviews in Mathematical Physics
- Reviews of Modern Physics
- Reviews of Scientific Instruments
- Science
- Science Direct [Physics & Astronomy] (37 Nos.)
- Scientific American
- Solar Physics
- Solid State Communication
- Space Science Reviews
- Indian Academy of Sciences Journals (11 Nos.)

Electronic Book Series (Online)  
STMP and LNP (Springer)

Annual Reviews (Online)  
Bio-Physics and Bio-Molecular Structure  
Physical Chemistry

Electronic Archive  
PROLA (7 Nos.)  
IOP Electronic Journals Archive (31 nos) — 1994 and backwards  
Journal of Chemical Physics [AIP]—1975-1997  
ScienceDirect - Phy. Gen. & High Energy, Nucl. Phy. and Astronomy (99 Nos.)

\*Not exhaustive

विज्ञाने न परिपश्यन्ति धीराः



# SNB Library

*Providing information for research and knowledge development...*



**S. N. Bose National Centre for Basic Sciences**

Block - JD, Sector - III  
Salt Lake, Kolkata 700 098

Phone: 91-133-2335 5706/7/8 Extn. 110/109

Fax: 91-033-2335 3477

Email: library@bose.res.in

Home Page: <http://www.bose.res.in/~library/>

# SNB Library – Your Knowledge Bank

**S**NB Library strives to evolve as a model and leading basic sciences library in Eastern India. The collection comprises of documents in the fields of Physics (Astrophysics, Quantum Mechanics, Optics, Particle Physics, Mechanics, etc.), Computer Science, Mathematics, Electronics, Laser, Chemistry, Biology, Material Science, Nano Science & Technology etc.



Open 12 hours,  
6 days a week

The library is fully computerized with the installation of LIBSYS 4 (on Linux platform). A server and 9 PCs, multimedia, scanners, colour printer, lamination machines, CD - Writers, are also part of the set-up. The electronic databases at the Library cover monographs, journals, annual reports, CD-ROMs.

The Library subscribes to 280 journals (including archives, book series and annual reviews) - 270 online and 59 print.

## SERVICES

**Lending:** Enrolled members are lent five books at a time for a period of 30 days and reissued twice.

**Reservation:** Members can reserve any book in his / her name to get precedence over renewal by the current holder of a book.

**Ref. Service:** Reference Membership is extended to visitors for short-term period.

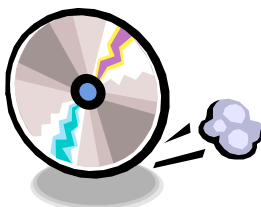
**Reading room:** Besides the common reading facility, an air-conditioned special room fit with ergonomically designed furniture is provided for serious reading.

**Reprography:** Photocopying of documents in the Library is provided free of charge to the Members. The non-members are charged at the approved rate.

**Newspaper Reading:** Eight newspapers, 12 magazines and allied publications are provided in the newspaper section.

**Publishing:** The library is involved in the publications of the centre.

**Other Services:** a) Lamination and b) Spiral Binding Services - Free of charge for official purpose, and charged for other purposes. c) Colour Printing & Scanning: One HP Laserjet colour printer & HP scanner are installed in the library for the use of the Members.



Borrow books, journals, CD ROMs  
Browse online journals...

## Collaboration with other Libraries\*:

1. **SNBNCBS – SINP Joint Library Users' Card** – Facilitates access to journals at and collect photocopies from Saha Institute of Nuclear Physics Library.
2. **British Council Library (BCL) – Institutional Membership** - Collect BCL cards from the SNB Library to borrow books, journals and DVDs from BCL.
3. **ISI Library** – To borrow books from Indian Statistical Institute Library, collect a requisition letter from your Librarian.

## Consortium Membership:

The library is a member of three consortia viz. (a) INDEST (Ind. Nat. Digital Lib. Engg. Sc. & Tech. and (b) FORSA (Forum for Resource Sharing in Astronomy), and (c) MathScinet. Many of the journal subscribed through these consortia.

## RULES AND REGULATIONS\*

[Salient Points]

### Timings

Monday –Friday: 8.00 am to 8.00 pm.  
Saturdays: 9.00 am to 5.30 pm

### Membership

Permanent category: All permanent staff members of SNBNCBS  
Temporary category: All temporary staff members of SNBNCBS, research scholars and students.

### Document Issue

Enrolled members are entitled to borrow five books at a time for a period of 30 days. A late fee of Rs.1.00 per day is charged for books/documents not returned within the due date.

A document issued may be renewed up to 2 times provided there is no pending reservation against it.

### Photocopying

The service is available only for the SNB Library materials or those borrowed on inter-library loan.

Xeroxing facility is free of charge for all cardholders including collaborators of study at SNBNCBS.

### Recovery of Lost Documents

The lost/damaged document should be replaced by the borrower as per rules.

### General

Readers and visitors shall leave all their belongings including personal books and other library documents at the property counter before entering the Library. However, writing materials like notebooks and papers are exempted.

The users may remove any document from the stack but such documents should be left on the reading table and not to be replaced after consultation.

No documents issued should be brought to the Library unless for returning.

Silence, strict discipline and cleanliness should be maintained in the Library by all, users and the Library staff. Smoking is totally prohibited.



Inviting environs -- Air - conditioned  
hall, ergonomically designed  
furnitures

## LIBRARY WEBSITE

The Library page [www.bose.res.in/~library/](http://www.bose.res.in/~library/) contains a plethora of information (e-journals to taxi fare). It illustrates various features of the Library, its services, Rules & Regulations, and provides links to all the online journals, related useful services, and allied institutions. FAQs (*Ask the Librarian*) is another important input of the site.

## Rates for various services

[For personal jobs only]

### Xerox service

A4 size: Re.1 per page  
A3 size: Rs.2 per page  
(N.B: The charge is per page and not per exposure)

Spiral Binding: Rs.20/- per job

Lamination: A4 size: Rs.20/-, ID card size: Rs.6/-

Colour printing: Rs. 5/- per page

## S.N.BOSE ARCHIVE



The Archive on the life and works of S. N. Bose, set up in the SNB Library, was inaugurated by General Sankar Ray Chaudhuri (Rtd) on 4 July 2002 in the presence of relatives and admirers of S. N. Bose. The Archive contains manuscripts, documents and personal effects of Bose. **S.N. Bose Digital Archive** is a total e-archive. One can consult catalogues, read documents / books, view photographs / visuals / documentary, and listen to his voice or recitals.

Publications ( in collaboration with 'Communication Cell ')

Annual Reports, SNB Diary, SNB Calendar 2005, brochures...

## Software used...

Libsys (Book database & house keeping); WINISIS (S. N. Bose Digital Archive); and Greenstone (Digital Library).

## For further details ?

Log on to *Ask the Librarian (FAQs)* in [www.bose.res.in/~library/](http://www.bose.res.in/~library/)

## The Team: At your service

Librarian	Dr. V.K.Thomas
Circulation & Journals	Mr. Aditya Paul Choudhuri
Book Processing, Reference	
Service, Lamination, Spiral binding	Mr. Swapan Ghosh
Xerox & Journals	Mr. Arun K. Bhattacharya