



Building and Managing of Electronic Resources in Digital Era in India with Special Reference to IUCAA and NIV, Pune: A Comparative Case Study



By

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This paper discusses and presents a comparative case study of two library of Inter-University Centre for Astronomy and Astrophysics (IUCAA) and Information Centre and Library (ICL) of National Institute of Virology (Indian Council of Medical Research) (NIV-ICMR). It covers the processes for acquiring/subscribing various e-resources, get access under UGC-Infonet Digital Library Consortium/Electronic Resources in Medicine (ERMED), including free databases available and developing e-resources in form of own preprints/ own publications/institutional repository/own videos lectures archives with help of open sources software and managing by trained library professionals and providing e-resources access altogether via single point search facility for all e-resources in campus (via IP based) and out of campus (via EZproxy) of all type of e-resources for scientists/users in the field of Astronomy/Astrophysics and Virology/Biomedicine.

RESOURCES / SERVICES



IUCAA LIBRARY

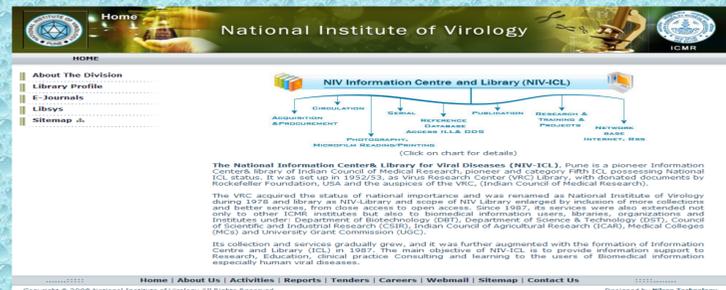
NIV(ICMR) LIBRARY

The IUCAA Library is an automated open-access library having around 25500 collections of documents (Including Books, E-books, E-resources, Bound Volumes, DVDs, Videos, Thesis, etc) and one of the most advanced modern libraries specializing in astronomy and astrophysics in India and serving as the main resource library in astronomy and astrophysics in the university sector of India.

The NIV Library is a pioneer ICL of the ICMR and having around 20000 collections of documents (Including Books, E-books, E-resources, Bound Volumes, DVDs, Videos, Thesis, etc). The main objective of the NIV-ICL is to provide information support for research, education, clinical practice consulting and learning to the users of biomedical information, especially human viral diseases.



WELCOME TO IUCAA LIBRARY HOME PAGE							
Information	Services	Online Resources	Videos	Library Activities	Internet	Databases	Recent Activities
About Library	Contact Page	Online Journals	Prof. T. Padmanabhaiah Video Lectures	Institutional Archives	ICMR Library OPAC	ADS Digital Library	Profile of the Day
Journal's Holdings	IUCAA Publications	Science Direct (with ICMR-Infonet) List of ICMR titles	Prof. Ganesh Atharva Video Lectures	Whisper Online	Mirror Server	ICMR SPICE S	Site Alerts
List of Audio & Video Collections	IUCAA Preprints	ICMR IIPD-RET Resources	IC T S-CMD Lectures	Annual Report Online	Microfilm CD/DVD	Visual Catalogue	Automation new Publications
List of CD-ROMs	New Books	E-books	Video Archives	Library OPAC	Foundational Data (1996-2012)	ArXivPreprint Database	Current Volumes
List of Thesis	New Proposals	Comprehensive list of Institutional e-resources	USFV-ID LISAVL-VIDEOS	FORSA-OPAC	IUCAA Foundation Year Anniversary 2012	Biographical Memoirs - IAS	Autonomy News
Library Staff	Impact factors	Free eBooks		Book Recommendation	2008 IUCAA Anniversary Day	Biographical Memoirs - IAS	Autonomy News
Library Training	Library Services	Reference/ Collaboration Research Practices		Book Recommendation	2008 IUCAA Anniversary Day	Biographical Memoirs - IAS	Autonomy News
Digitized Images of IUCAA Library	Challenges	ASP Conference Series		Book Recommendation	2008 IUCAA Anniversary Day	Biographical Memoirs - IAS	Autonomy News
Conferences		Preprint of the Institution		Book Recommendation	2008 IUCAA Anniversary Day	Biographical Memoirs - IAS	Autonomy News



Welcome to Online E-Resources/Journals Home Page		
Subscribed E-Resources	Available through ICMR-Infonet	Free on Internet
<ul style="list-style-type: none"> List of Individual E-Resources Annual Review of AA (1996 Present) ASP Conference Series CUP's LAU Proc. IOP Archive PROLA archive Science Direct Science Online Scientific American Archive Science Direct Back files collections (High Energy/Nuclear/Physics and Astronomy) Journals Holding Total A to Z List of Online Journals 	<ul style="list-style-type: none"> ASP Journals (18 Journals) American Physical Society (10 journals) Emerald Collection (22 journals) ESID (Data base) JCCS (Database) Science Direct (Physical Sciences Collection) Springer Journals (1550 Journals) Teach & Learn (123 Journals) Web of Science (Chinab database) (as released by ISI/ISTE, see a page updated on 06/04) 	<ul style="list-style-type: none"> ADS Database- ADS Journals A & A Abstract- Online LANS Archive NUMDUM- Mathematical Journals

NIV Information Centre and Library (NIV-ICL)

E-Journals

Electronic versions of core full text journals are also available. Firstly, Ovid full text journals, secondarily, Proquest, under ICMR-ICL consortium thirdly, free on-line access against print version subscription, fourthly, free on line access journals on Internet. The list of journals is available on OPAC through LAN to each division. Some of the major publishers and societies, whose journals are available on-line (subscribed/ free) are: American Medical Association, Annual Review, Inc, British Medical Association, Medical Library association (USA), American Society for Microbiology, American Association for the Advancement of Science,

Society for General Microbiology, Infectious Disease Society of America, Entomological Society of America, WHO, Elsevier Science Publishers, Wiley Inter Sciences, Kluwer, Springer, Blackwell, Taylor & Francis, CABI Publishing, Wiley Sons, Ltd, Blackwell Science Publishing, etc are accessible either against subscription or back volumes free of cost and /or on payment of incremental charges against print subscription. Core journals viz. Nature, Science, Lancet, BMJ, PNAS, Vaccine, Scientific American, Journal of General Virology, Journal of Virology, etc. The full text journals are available through internet. Above access are available either through IP based or with login and password. Internet connecting for above access has been provided to each under LAN



Database Access and Creation

Above services are available to all users of NIV-ICL by accessing various databases bibliographical, factual/statistical and full text databases on the specific topics, as and when required by the scientists. On request, project based selective dissemination of information (SDI) and Current Awareness Services (CAS) are also provided to users on demand basis only. All NIV staff has been given the basic training to use the Internet and CD-ROM based databases: Ovid, MEDLINE, ERI-BASE (earlier excerpta medica), J-Gate and J-CCC, etc. Through its products and customize solutions, J-Gate acts as a publisher independent local gateway for e-journal access.

Customized content technology solution for access and manage e-journals by ICMR libraries under consortia.

Links to national/regional union catalogue of journals

Journals Customized Current Content (J-CCC), facilitates, resource sharing of journals available in ICMR libraries: subscribed by individual libraries and collectively as ICMR consortia member and also provides a common database for all the journals. In addition to above data base services, NIV-ICL also accesses other databases available on internet, viz indMED, Biomed, ADONIS, through NIC.

Creation of Databases

NIV-ICL has also created bibliographical databases on Viral Database of Indian Works (>12500 records) using CDS/ISIS and efforts are being made to extend with full text. An other database of Scientific Publications of NIV has been created and records are available since 1953 till to date. It has been proposed to digitize NIV papers with full text.



- Circulation / Reference Services
- On-line searching of holdings (Web OPAC)
- Daily display of newly arrived scientific journals and preprints/reprints
- Inter-library loan
- Literature search on the internet
- Photocopying facility for users
- Reader-printer for microfiche and microfilm
- Provide accessibility of E-Resources via IP based in Campus and via EZproxy in out of campus through library homepage

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- Database Access and Creation Databases
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Result and Discussion: The study finds out how it is difficult to manage a electronic resources from the printed resources in developing country like India. However result also point out that there is more usage of e-resources than printed resources.

Conclusion: It concludes that building an electronic resource collection is a daunting function but with the comprehensive coverage and systematic approach the various problems can be solved and usages will be enhanced.

References: 1. IUCAA Library Homepage: <http://www.iucaa.ernet.in/~library/> 2. NIV Library Homepage http://niv.co.in/departments/Library/Library_index.htm