

Curriculum Vitae of Dr. Jagdish Arora

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Date of Birth 15th January, 1956

Educational & Professional Qualifications

Certificate / Degree	University / Institution	Year	%
B.Sc.	University of Rajasthan	1975	51%
B.Lib.Sc. & Doc.	University of Rajasthan	1976	63%
M.L.I.Sc.	University of Delhi	1977	56%
Certificate of Proficiency in Russian	University of Delhi	1979	74%
Certificate of Proficiency in French	Jawaharlal Nehru University	1980	A-
Intensive Course on Data Processing and Basic Programming	Computer Society of India	1984	A
Ph.D. (Library Science)	University of Rajasthan	1992	
Research Supervisor	Dr. Usha Pawan Head, Deptt. of Library & Information Science University of Rajasthan, Jaipur - 302 004		
Topic of Research	Bibliometric Analysis and Bibliographic Control of Literature in Immunology		

Courses Taken at the Simmons College, Boston, USA

As a Fulbright Visiting Researcher at the Graduate School of Library & Information Science, Simmons College, Boston, MA, USA, I took the following courses during Fall Semester, 1997:

LS-460	Emerging Technologies and the Library Media Center
LS-488	Telecommunication and Computer Networking Libraries
LS-461	Multimedia Information Technology Applications
LS-530W	World Wide Web and Electronic Publishing
LS-530P	Geographical Information Systems

Working Experience (Total 32 years)

- 1. Organization** : **Information and Library Network**
(INFLIBNET) Centre
Position Held : Director
Period of Service : 31.8.2007 till date
Salary (Basic) : Rs.75,000.00 + 5,000.00 (Fixed)
- 2. Organization** : **Indian Institute of Technology Delhi**
Position Held : Librarian (2003-2007) & Officer-Incharge,
Publication Unit;
Dy. Librarian (1991-2002)
Period of Service : 7.3.1991 – 31.8.2007
Salary (Basic) : Rs.19,100.00 (Rs.16,400-22,400)
- 3. Organization** : **Indian Institute of Technology Bombay**
Position Held : Librarian
Period of Service : 18.6.2002 – 3-9-2003
Salary (Basic) : Rs.19,100.00 (Rs.16,400-22,400)
- 4. Organization** : **National Institute of Immunology Delhi**
Position Held : Library-cum-Documentation Officer
Period of Service : 30.3.1983-6.3.1991
Salary (Basic) : Rs.3750.00 (Rs. 3000 - 4500)
- 5. Organization** : **ICRISAT, Patancheru, A.P.**
Position Held : Asstt. Documentation Officer
Period of Service : 25.7.1980-28.3.1983
Salary (Basic) : Rs.1535.00
- 6. Organization** : **Indian Institute of Technology Delhi**
Position Held : Documentation Assistant
Period of Service : 10.1.1979 to 3.10.1979
Salary (Basic) : Rs.550.00 (Pay Scale : Rs. 550-900)
- 7. Organization** : **Tool Room and Training Centre, Delhi**
Position Held : Librarian
Period of Service : 4.10.1979 to 23.7.1980
Salary (Basic) : Rs.550.00 (Pay Scale: Rs. 550-900)
- 8. Organization** : **DESIDOC, Delhi**
Position Held : Junior Scientific Assistant
Period of Service : 10.3.1978 to 9.1.1979
Salary (Basic) : Rs.425.00 (Pay Scale :Rs.425-700)

Sponsored Research, Development and Consultancy Projects

- **National Library and Information Services Infrastructure for Scholarly Content (N-LIST)**, funded by the National Mission on Education through ICT, Ministry of Human Resource Development, India. April 2009 - ; Annual Allocation: Rs. 2252.91 lakhs; Status: Ongoing. (Involvement: Principal Investigator).
- **Evolving a Consortium for Providing Access to Electronic Resources to Colleges and Social Science Research Institutions in Selected Regions in India: Strategic Planning and Implementation Strategies**, funded by Sir Ratan Tata Trust (SRTT), Sept. 2008 - June 2009; Allocation: Rs. 5.00 lakhs; Status: Complete. (Involvement: Principal Investigator).
- **Bibliometric Analysis of Bibliographic Records of Theses submitted to Indian Universities and Academic Institutions**” funded by the Tata Consultancy Services, Bengaluru. Jan. 2009 – Dec. 2009. Allocation: Rs. 1.20 lakhs. Status: Complete. (Involvement: Principal Investigator).
- **Indian National Digital Library in Engineering Sciences & Technology (INDEST)-AICTE Consortium**, funded by the National Mission on Education through ICT, Ministry of Human Resource Development, India. Jan. 2003 - ; Annual Allocation: Rs. 3000.00 lakhs; Status: Ongoing. (Involvement: National Coordinator National Coordinator & Convener, National Steering Committee (upto August 2007)).
- **Network-enabled Digitized Collection in Engineering Science & Technology at IIT Delhi**, funded by the Ministry of Human Resource Development, India. April 2002- March 2005; Allocation: Rs. 10.00 lakhs; Status: Completed. (Involvement: Principal Investigator).
- **Developing Network-enabled Digitized Collection in Biotechnology at IIT Delhi: A Multi-pronged Proposition**, funded by the Department of Biotechnology, Ministry of Science and Technology, India. Sept. 2001- Sept. 2003; Allocation: Rs. 23.58 lakhs; Status: Completed. (Involvement: Principal Investigator).
- **Developing Web-based Digitized Collection for Distant & Continuing Education in Information Technology: Internet-based Online Interactive Courseware**, funded by the Ministry of Information Technology, India. March 1999- March 2002; Allocation: Rs. 22.30 lakhs; Status: Completed. (Involvement: Principal Investigator).
- **Optical Image Scanning of Documents at the Central Library, IIT Delhi**, funded by the All India Council for Technical Education (AICTE), Ministry of Human Resource Development, India. July 1997- July 2000; Allocation: Rs. 5.00 lakhs; Status: Completed. (Involvement: Principal Investigator).
- **Modernization of Library Services**, funded by the Ministry of Human Resource Development, India. April 1996 - March 1999; Allocation: Rs. 8.00 lakhs; Status: Completed. (Involvement: Co-Principal Investigator).
- **Distributed Information Centre in Immunology, Biotechnology Information Systems (BTIS)**, funded by the Deptt. of Biotechnology, Ministry of Science and Technology, India. 1986- ; Annual Allocation: Rs. 12.00 lakhs; Status: Ongoing. (Involvement: Coordinator, 1986-1991).

Consultancy Assignments

- **Computerization of Library and Information Services of the National Highway Authority of India (NHAI)**, funded by the National Highway Authority of India. Feb. 2001- April 2001; Allocation: Rs. 10,000.00; Status: Completed. (Involvement: Principal Investigator).
- **Creation of Web Site for the Library and Information Services of the NHAI**, funded by the National Highway Authority of India. August 2001- October 2001; Allocation: Rs. 15,000.00; Status: Completed. (Involvement: Principal Investigator).
- **Design & Development of Website and Web Based Interfaces for Grants Management of University Grants Commission (UGC)**, funded by the University Grants Commission, India. Dec. 2003- July 2004; Allocation: Rs. 4.49 lakhs; Status: Completed. (Involvement: Principal Investigator).
- **Redesigning NHAI Library Web Site and Web-enabled Database for Institute Circulars**, funded by the National Highway Authority of India. July 2004- Oct. 2004; Allocation: Rs. 2.61 lakhs; Status: Completed. (Involvement: Principal Investigator).
- **Maintenance of UGC Web Site**, funded by the University Grants Commission, India. Jan. 2005- Dec. 2006; Allocation: Rs. 1.59 lakhs; Status: Completed. (Involvement: Principal Investigator).
- **Maintenance of NHAI Library Web Site & Web-enabled Database for Institute Circulars**, funded by the National Highway Authority of India. Jan. 2005- Dec. 2006; Allocation: Rs. 55,540.00; Status: Completed. (Involvement: Principal Investigator).
- **Creation of Web Site for the Library and Information Services of the NCERT**, funded by the National Council of Education Research and Training, India. March 2005- May 2005; Allocation: Rs. 33,060.00; Status: Completed. (Involvement: Principal Investigator).

IRD (IIT Delhi) Projects

- **Development and Maintenance of the Institute Web Site of IIT Delhi**, funded by the Industrial Research & Development Unit, Indian Institute of Technology Delhi. Sept. 1999- June 2009; Allocation: Rs. 33.50 lakhs; Status: Ongoing. (Involvement: Principal Investigator till August 2007).
- **Retro-conversion of Bibliographic Records at the Central Library, IIT Delhi**, funded by the Industrial Research & Development Unit, Indian Institute of Technology Delhi. May 1999- May 2002; Allocation: Rs. 2.50 lakhs; Status: Completed. (Involvement: Principal Investigator till August 2007).

Training / Expertise Gained

- Six months as 'Library Internee' in American Center Library, United States Information System, New Delhi, under the Library Internship Programme. The Internship provided me an opportunity to work with each section of the Library;
- Training and experience in maintenance of Computer Facility consisting of more than 55 PCs, 8 Servers, 20 terminals running under different operating systems like Windows 95, Windows 98, Windows NT, SCO Unix, Sun Solaris and Linux at IIT Delhi;
- Extensive experience and training in computerization of in-house activities of Library using LibSys and Online Integrated Library Information Services (LIS) software packages;
- Design and maintenance of web sites of IIT Delhi, its various Departments, Centres, Units and Facilities;
- Design and maintenance of web site of INDEST-AICTE Consortium;
- Use of online searching of databases hosted by DIALOG, STN and ESA-IRS;
- Processes of electronic and print publications at IIT Delhi and NII;
- Enabling web-based database connectivity using back-end databases like CDS ISIS (using WWWISIS script); Microsoft Access and MySQL;
- Text and image-based contents creation and their management;
- Installation and maintenance of network-based CD ROM search facilities;
- Installation and maintenance of Electronic Reference Library (ERL) based bibliographic database and search services;
- Graphics and presentation packages like Adobe's Photoshop 5.5; Paintshop Pro 4.5; Flash 5.0; Dreamweaver and Microsoft Power Point;
- Implementing web-based full-text services for the Library users; and
- Setting-up OAI-complaint digital library using Dspace.

Membership of Professional Associations (Life-Member)

- Society for Information Science (SIS)
- Bombay Science Librarian's Association (BHOSLA)
- Indian Library Association (ILA)
- Indian Association of Special Libraries and Information Centres (IASLIC)
- All India Government's Librarians Association (AGLIS)

- Medical Library Association of India
- Indian Techno-science Librarians and Information Scientists Association (ITLISA)
- Ahmedabad Library Network (ADINET)

Professional Affiliations

- Member, Research Council, NISCAIR, CSIR, New Delhi (2010 – 2013);
- Member, Library Advisory Committee, Oxford University Press, Oxford, (2010-2013);
- Member, Board of Studies in Library and Information Science, University of Kashmir, Srinagar (2010 - 2013)
- Chairman, Negotiation Committee and Nodal Officer's Committee, DBT's Electronic Library Consortium (DeLCON), National Brain Research Centre (NBRC), Manesar, Haryana, 2007 -
- Member, Expert Review Committee of the UGC to Review the Functioning of Gujarat Vidyapeeth, Ahmedabad as Deemed University, 10 and 11th Dec., 2009
- Member, Expert Review Committee of the UGC to Review the Functioning of Tilak Maharashtra Vidyapeeth, Pune as Deemed University, 24 and 25th Oct., 2009
- Member, National Advisory Committee, P K Kelkar Library, Indian Institute of Technology, Kanpur
- Member, Course Development Committee for M.Phil. Programme in Library and Information Science, Vardhaman Mahaveer Open University, Kota, Rajasthan
- Member, Board of Studies (BOS), Associateship in Information Science (AIS), National Institute of Science Communication and Information Resources (NISCAIR), New Delhi (2009 – 2011)
- Member, Library Review Committee, University of Mysore, Mysore. (2009 -)
- Member, Subcommittee on Preservation Metadata, Working Group on National Digital Preservation Programme (NDPP), Ministry of Communications and Information Technology, New Delhi
- Member, Advisory Programme Committee, International Symposium on Emerging Trends and Technologies for Libraries and Information Services (ETTLIS) – 2008, Dec. 18-20, 2008, JIIT University, Noida (UP) being jointly organized by Jaypee Institute of Information Technology University and Delhi College of Engineering
- Member, Expert Committee of the UGC to Evaluate Progress Made during X Plan and Evaluate Funds Requirement for XI Plan, West Bengal University of Technology, Kolkata, West Bengal, June 2-5, 2008

- Member, Expert Committee of the UGC to Evaluate Progress Made during X Plan and Evaluate Funds Requirement for XI Plan, Kerala University, Thiruvananthapuram, Kerala, July 16-18, 2008
- Member, Editorial Advisory Board, Journal of Information Science and Technology, Department of Library and Information Science, University of Kerala
- Member, International Programme Committee for International Conference of Asian Special Libraries on “Shaping the Future of Special Libraries: Beyond Boundaries” (ICoASL 2008)
- Member, Editorial Advisor, Interlending & Document Supply
- Member, Editorial Board, Digital Libraries: An International Journal, TERI, New Delhi
- Member, E-Journals Negotiation Committee, National Agricultural Innovation Project (NAIP), ICAR, New Delhi
- Member, Scientific Advisory Committee, Environment Information System (ENVIS) (2006 – 2009)
- Member, National Program Committee, International Conference on Semantic Web and Digital Libraries, February 21-23, 2007, DRTC, ISI, Bangalore, India
- Member, Sectoral Group on “Information Technology Resources & Products”, a constituent of Steering Committee on Science & Technology set-up by the Govt. of India for formulation of Eleventh Five Years Plan (2007 – 2012)
- Member, Subcommittee to Set Standards and Modalities for Collection Development, Retrieval Systems and Services in Libraries, National Knowledge Commission, 2006
- Member, Asia Pacific Library Advisory Committee, INSPEC, Institute of Electrical Engineers (IEE), UK (2004 – 2005)
- Member, International Library Advisory Committee, Institute of Electric and Electronics Engineers (IEEE), USA (2005 – 2006)
- Member, Technical Advisory Committee for Industrial R & D and Technology Facilitation Programme (TIFP), Department of Scientific and Industrial Research, Ministry of Science and Technology (2004 – 2007)
- National Coordinator, Indian National Digital Library in Engineering Sciences and Technology (INDEST) Consortium (2003-2007)
- Convener, National Steering Committee, INDEST-AICTE Consortium (2003-2007)
- Member, National Review Committee, INDEST-AICTE Consortium (2003-2007)
- Chairman, Dissertation Expert Committee (DEC), Associateship in Information Science Programme, NISCAIR, New Delhi, 2005-2007
- Member, Editorial Board, Annals of Library and Information Studies (2008 – 2012)

- Member, Editorial Board, DESIDOC Bulletin of Information Technology
- Member, Steering Committee, Second International Conference on Digital Libraries (ICDL), 5-8 Dec., 2006, TERI, New Delhi
- Member, INDEST-AICTE Committee for Selection of Institutions for Providing Access to Electronic Resources with Support from the AICTE through the INDEST-AICTE Consortium
- Member, Library Advisory Committee, NCERT
- Member, Library Committee, National Academy of Sciences, India
- Member, Aerospace Information Panel, Aeronautics Research & Development Board, 2002 – 2005
- Member, UGC Committee to Evolve Regulatory Policy and Implementation Mechanism for Creating Metadata for Doctoral Theses and for Promoting Submission of Theses, 2004
- Member, National Advisory Committee, UGC Infonet Digital Library Consortium
- Member, Library Advisory Committee, University Grants Commission
- Member, Subcommittee of the Research Council, IGNOU, New Delhi
- Member, Advisory Committee to Modernize the Facilities and Infrastructure of ICMR Libraries and Network
- Research Guide, Department of Library and Information Science, Vidyasagar University
- Expert Committee for Design of Course Contents for Master of Library and Information Science, 2004, IGNOU, New Delhi
- Member, Executive Committee, Society for Information Science
- Member, Steering Committee, International Conference on Digital Libraries (ICDL 2004), TERI, New Delhi, 24 - 27 February, 2004
- Member, Advisory Committee, National Convention of MLAI-2003
- Chairman, Central Sectional Committee, Library and Information Technology, Indian Library Association, 2000 – 2002
- Rapporteur General, XX National Seminar of IASLIC 2003, Punjabi University, Patiala
- Examiner, Evaluation of Ph.D. Theses submitted to University of Rajasthan and Agra University
- Examiner, Evaluation of Dissertations submitted by the candidates doing Associateship in Information Science from INSDOC

- Project Evaluator for Projects on Bio-informatics, Deptt. of Biotechnology
- Member, Library Software Selection and Evaluation Committee, Planning Commission, New Delhi, National Institute of Education Planning and Administration (NIEPA) and National Highway Authority of India (NHAI)
- Member, Executive Committee & Coordination Committee, Distributed Information Centre in Immunology, Biotechnology Information Systems (BTIS), Deptt. of Biotechnology, New Delhi (1986 - 1993)
- Member, Advisory Committee for the Library and Documentation Centre, All India Association for Christian Higher Education
- Member, Task Group on Library Automation, Panjab University, Chandigarh, 1994-1996
- Consultant, National Highways Authority of India
- Member, Curriculum Revision Committee, Deptt. of Education, MHRD
- Member, Technical Committee, Retrospective Conversion of Bibliographic Records, Central Secretariat Library (CSL), 2002
- Expert, CSIR Assessment Promotion Scheme 2001 –
- Member, Selection Committees, NII, IISc, University of Mumbai, JNU
- Chancellor's / Visitor's Nominee for Selection of Post of Librarians at IGNOU, New Delhi

Professional Involvement at the IIT Delhi

- National Coordinator, INDEST-AICTE Consortium (2003-2007)
- Officer-Incharge, Publications Cell (2005-2007)
- Member, Institute Senate and Executive Committee of the Senate (2003–2007);
- Member-Secretary, Advisory Committee for the Library Committee (2003–2007);
- Member-Secretary and Convener, Institute Web Site Committee, IIT Delhi (1999–2007);
- Member, IT Infrastructure Development Programme: Development of a Distance Learning Laboratory (DLL) (2003–2007); and
- Member, National Centre for Technology Enhanced Learning (NCTEL) at IITs and IIMs (2003–2007).

Professional Involvement at the INFLIBNET Centre

- Chief Coordinator, UGC-INFONET Digital Library Consortium

- Chairman, Negotiation Committee, UGC-INFONET Digital Library Consortium
- Chairman, Negotiation Committee, UGC-INFONET Connectivity Programme
- Convener, INFLIBNET's Governing Body
- Convener, INFLIBNET's Council
- Convener, Building Committee, INFLIBNET Centre, 2007 –
- Convener, National Steering Committee, UGC-INFONET Digital Library Consortium
- Convener, Central Connectivity Monitoring Committee (CCMC), UGC-INFONET Connectivity Programme

Major Projects on Computerization

- Establishing Consortium for Colleges under the project entitled “National Information and Library Infrastructure for Scholarly Content (N-LIST)”, funded by the National Mission on Education through ICT, Ministry of Human Resource Development, India. The project provides for cross-subscription to e-resources i.e. subscription to INDEST-AICTE resources for universities and UGC-Infonet resources for technical institutions as well as for subscription to UGC-INFONET e-resources for 6,000 colleges. Under the project, individuals (including students, researchers and faculty) from colleges and other beneficiary institutions would have direct access to e-resources through server(s) proposed to be installed at the INFLIBNET Centre. The project would be launched in March, 2010.
- Established a National Consortium called Indian National Digital Library in Engineering Sciences & Technology (INDEST)-AICTE Consortium. The consortium is funded by the Ministry of Human Resource Development. It benefits 38 institutions including all IITs, IISc, NITs, RECs, etc. 60 Government / Government-funded institutions have been enrolled as members of the Consortium for selected electronic resources with financial support from the AICTE. Moreover, more than 750 other institutions have joined the Consortium under its “self-supported” category for various electronic resources.
- Expanded and strengthened the UGC-INFONET Digital Library Consortium funded by the University Grants Commission. The Consortium, set-up in 2004, is further strengthened with inclusion of more e-resources and member universities. Associate Membership Programme of the Consortium was launched in January, 2009. 40 private universities and institutions joined the Consortium as Associate Members during the first year.
- Established distributed Information Centre for the Immunology under Biotechnology information System at the National Institute of Immunology, New Delhi in 1986. As the Project Coordinator and the secretary of the Executive Committee of BTIS project for the Centre, I was intimately involved in the project and its activities since its inception till 1991.
- Established a sub-LAN consisting of 55 PCs, eight servers, four switches and seven hubs. The Sub-LAN connects Library Servers and PCs to the Campus LAN. The Library segment of the sub-LAN has further been strengthened with installation of LAN switches, computer hubs, terminals servers and CD networking system under various sponsored projects and special grants received from the MHRD and AICTE.

- Established network-based CD ROM search services at the IIT Delhi. The Library offers network-based CD ROM search services through Tulsient's Network Attached Server (NAS) enabling access of CD ROM databases on the campus LAN.
- Established Electronic Reference Library (ERL)-based bibliographic search services. The facility, available on the Institute Campus LAN, consists of a data storage server hosting important bibliographic databases like Derwent Biotechnology Abstracts and World Textile and a front-end server hosting web-SPIRS search software.
- Implemented LibSys package at the Central Library, IIT Delhi. The Libsys software package, bought in June 1999, has been fully implemented for computerization of all activities in the Library including Acquisition, Cataloguing, Circulation Control and Serials System. All members of the Library including faculty, staff, researchers and students have been enrolled for computerized circulation system. As head of the Computer Applications Division, I have contributed substantially in the process of switch over from manual to computerized processes.
- Implemented bar code-based circulation system in the Library. The entire book collection of the Library has been bar coded. Bar coded patron cards have been issued to all the Library patrons. Facilities were established for in-house generation of bar code labels for books as well as for patrons.
- Established Online Search Services at national as well as international level at the Foundation for Innovation and Technology Transfer (FITT) as their part-time Manager (Information and Documentation). The FITT offers online search services to industrial users from DIALOG, Data Star, STN, ESA-IRS, INSDOC and TIFAC.
- As Web Master of IIT Delhi, I have extensive training and experience in creation and maintenance of Web sites. The web sites are available at:

<http://www.iitd.ac.in/>
<http://www.iitd.ac.in/acad/library/>
<http://www.iitd.ac.in/courses/>

- As National Coordinator of the INDEST-AICTE Consortium, I was also responsible for maintaining its Web site available at the <http://paniit.iitd.ac.in/indest/> and <http://indest.iitd.ac.in/>

Seminar / Workshop Coordinated / Organized

- CALIBER – 2009, 25th to 27th February, 2009, Pondicherry University, Puducherry;
- National Seminar on Open Access to Textual and Multimedia Content: Bridging the Digital Divide, 29th and 30th January, 2008, India Habitat Centre, New Delhi;
- PLANNER – 2008, 6-7 Nov., 2008, Nagaland University, Nagaland;
- CALIBER – 2008, 28th Feb. – 1st March, 2008, University of Allahabad, Allahabad, UP;
- PLANNER – 2007, 7th and 8th Dec., 2007, Guhati University, Guwahati;

- Meeting of the Vice Chancellors of Universities in West Bengal, 1st Nov., 2007, Kolkata.
- INDEST-AICTE Workshop and Fourth Annual Meet, 19th and 20th Dec., 2006, IIT Delhi;
- INDEST Workshop and Third Annual Meet, 1st and 2nd Dec., 2005, IIT Delhi;
- INDEST Workshop and Second Annual Meet, 31st August and 1st Sept., 2004, IIT Delhi;
- AICTE-INDEST Workshop on Electronic Resources, 8-9th Dec., 2003, IIT Delhi;
- INDEST Extended: Workshop-cum-Meeting, 7th Oct., 2003, IIT Delhi;
- INDEST Workshop and First Annual Meet, 4th March, 2003, IIT Delhi;
- INDEST Consortium: An Invitation to Join the INDEST Consortium for Qualitative Information Resources, 5th March, 2003, IIT Delhi;
- Enhancing Library Information Service through OCLC's Global Cooperation, IIT Delhi, March 11, 2002;
- Training Programme on Digital Libraries: Content Creation, Access & Management, 18 - 22 Dec., 2001
- National Seminar on Knowledge Networking in Engineering & Technology Education and Research, IIT Delhi, December 1 - 2, 2000;
- Training Programme on Internet: Services, Resources and Web Page Creation, 28-30 June, 1999, IIT Delhi;
- Workshop on Modern Information Access Facilities to S & T, Business and Industries, IIT Delhi, 27 - 31st May, 1996;
- Workshop on Modern Information Access Facilities to S & T, Business and Industries, IIT Delhi, 24 - 28th April, 1995;
- Workshop on CDS/ISIS ver.3.01 with Pascal Interface, IIT Delhi, 16-28 Jan., 1995; and
- Workshop on Use of Databases available on CD ROM at the IIT Delhi, 30th Jan. - 3rd Feb, 1995.

Faculty / Resource Person to the Following Workshop / Training Courses (Select List)

- Training Programme on Internet: Services, Resources and Web Page Creation, IIT Delhi, June 28-30, 1999;
- Training Programme on Application of Information Technology for Library Operations and Services, IIPA, New Delhi, Nov. 29 - Dec. 3, 1999;
- Research Methods in Design: Winter School, IIT Delhi, Dec. 7 - 18, 1999;

- CEP Course on Bibliographic Database: Design and Development, DESIDOC, Delhi, 11-15 October, 1999;
- CEP Course on Desktop Publishing, DESIDOC, Delhi, 18-24 Dec., 1999;
- Training Programme on 17th Orientation Course in Health Science Librarianship, National Medical Library, New Delhi, 17 Jan. - 18 Feb, 2000;
- Leadership Development Programme for Principals of Colleges on IT for Development & Management of Colleges, SEED, New Delhi, March 10 - 14, 2000;
- Training Course on Applications of Modern Information Technologies in Health Science Libraries / Documentation Centres, NIH&FW, New Delhi, August 7 - 11, 2000;
- Emerging Technologies for Effective Management of Library Services, NIC, New Delhi, Sept. 18 - 22, 2000;
- Application of Information Technology for Library Operations and Services, Nov. 27 - Dec. 1, 2000, IIPA, New Delhi;
- CEP Course on Modern Technologies for Biomedical Information Handling, INMAS, New Delhi, Oct. 16- 20, 2000;
- QIP Course on Web Design & Development, IIT Delhi, Dec. 11 - 15, 2000;
- Leadership Development Programme for Principals of Colleges on IT for Development & Management of Colleges, SEED, New Delhi, Dec. 16 - 20, 2000;
- Training Course on Applications of Modern Information Technologies in Health Science Libraries / Documentation Centres, NIH&FW, New Delhi, January 15 - 19, 2001;
- Workshop on Digital Libraries: Managing Convergence, Continuity and Change, Mysore University, Mysore, March 12 - 16, 2001;
- Workshop on Web-based Online E-journals, CIS, Jawaharlal Nehru University, May 14, 2001;
- Training Programme on Applications of Information Technology in Library & Information Science, Deptt. of Library and Information Science, University of Delhi, May 17, 2001;
- CEP Course on Modern Information Technologies, DESIDOC, New Delhi, May 14 - 18, 2001;
- Refresher Course on New Dimensions in Academic Libraries, Kurukshetra University, Kurukshetra, May 22 - June 11, 2001;
- Automation and Networking of University Libraries, INFLIBNET, Ahmedabad, June 25 - July 1, 2001;
- Training Course on Applications of Modern Information Technologies in Health Science Libraries /Documentation Centres, NIH & FW, New Delhi, August 06 - 10, 2001;

- 8th Refresher Course in Computer Science, Jawaharlal Nehru University, New Delhi, August 13 - September 07, 2001.
- Workshop on Archives in Digital Age: Challenges and Prospects, V.V. Giri National Labour Institute, Noida, Sept. 14, 2001.
- Leadership Development Programme for Principals of Colleges on IT for Development & Management of Colleges, SEED, New Delhi, Oct. 20 - 24, 2001.
- Training Programme on Technical Writing and Editing, NISCOM, New Delhi, Dec. 10 - 14, 2001.
- Training Programme on Digital Libraries: Content Creation, Access & Management, IIT Delhi, 18 - 22 Dec., 2001.
- Training Programme on Application of Information Technology for Library Operations and Services, IIPA, New Delhi, Feb 4-8, 2002.
- NIC-DELNET Training Programme on Applications of New Information Technology in Library & Information Centres, NIC, New Delhi, Feb. 12, 2002.
- 5th Training Course on Applications of Modern Information Technologies in Health Science Libraries / Documentation Centres, NIH&FW, New Delhi, February 18 - 22, 2002.
- WRC/ ICSSR Workshop on Social Science Research in Digital Environment, 20-23, January, 2003, ICSSR, Mumbai.
- Pre-conference Tutorials on Building Digital Collections, CALIBER-2003, INFLIBNET, NIT, Ahmedabad, 13 Feb., 2003.
- New Challenges in Information Management: Issues and Opportunities for Librarianship, TISS, Mumbai , 1st – 21st Sept., 2003.
- UNESCO Regional Training Workshop on “Use of Electronic Media in Science Teaching”, School of Information Science, JNU, New Delhi, 7 – 14 Oct., 2003.
- Training Programme on “Library, Information Management and Documentation”, Centre for Science and Environment, New Delhi, Dec. 15-18, 2003.
- Orientation Programme for Principals of Colleges in SC / ST in Backward Districts, NIEPA, New Delhi, 22nd Dec., 2003 to 9th Jan., 2004.
- Training Course on Internet Technology Applications in Libraries, National Informatics Centre, New Delhi, 13-17th Sept., 2004.
- 6th Training Course on IT Application and in Information Management, National Institute of Health and Family Welfare, New Delhi, 1-5th Nov., 2004.

- Workshop on E-Resources for the Engineering Colleges / Technical Institutions in Uttaranchal and Neighbouring States, IIT Roorkee, Dec. 17 to 19, 2004.
- NASSDOC-Vidyanidhi Training Workshop on Digital Libraries, NASSDOC, New Delhi, 18-21 January, 2005.
- National Workshop on Building Digital Libraries, Jaypee Institute of Information Technology, Noida, June 17-18, 2005.
- 7th Training Course on IT Application and in Information Management, National Institute of Health and Family Welfare, New Delhi, 7-11th Nov., 2005.
- E-Learning Workshop, organized by the Pune Institute of Engineering and Technology, Pune, under the aegis of National Project Implementation Unit (NPIU), 17th to 18th Jan., 2006.
- E-Learning Workshop, organized by the College of Engineering and Technology, G.B. Pant Agricultural University, Pant Nagar, under the aegis of National Project Implementation Unit (NPIU), 20th to 21st Jan., 2006.
- First Refresher Course in Library and Information Sciences, Academic Staff College, Jamia Milia Islamia, New Delhi, 24th Jan., 2006.
- Meeting of the Professional Library Staff of NIE and its Constituent Libraries, DLDI, NCERT, 23rd and 24th March, 2006.
- Workshop on E-resources and IPR Issues, IIT Bombay, June 14 to 16, 2006.
- Workshop on Institutional Repositories, IIM Kozhikode, July 17 to 19, 2006.
- Workshop on Digital Libraries, TERI, New Delhi, 31st October – 3rd Nov., 2006.
- DELNET's Pace Workshop, DELNET, New Delhi, 25th – 29th Dec., 2006.
- Workshop on E-resources Management, IIM Ahmedabad, 19th to 20th January 2007.
- Faculty Development Programme on Leveraging Information Systems for Business Excellence, Lal Bahadur Shastri Institute of Management, New Delhi, June 13 - 23, 2007.
- Refresher Course in IT, University of Gujarat, Ahmedabad, Gujarat, 19th Nov. to 8th Dec., 2007.
- Refresher Course in Library Science and Computer Application, University of Gujarat, Ahmedabad, Gujarat, 1st Sept. to 21st Sept., 2008.
- Refresher Course in Library Science, Academic Staff College, University of Rajasthan, Jaipur, Rajasthan, 5th to 24th Jan., 2009.

Invited Lectures (A Select List)

- “Coexistence of traditional and distance learning methods in library and information science education in IT environment”. Invited Lecture delivered at the MLAI-AGLIS Seminar on Library and information Science Education through Distant Learning and its Relevance in IT Environment, Pragati Maidan, New Delhi, August 9, 1998.
- “IT Inputs in establishing library and information services for an engineering and technological institution”. Lecture delivered at the Seminar on Prospective Library of Netaji Subhas Institute of Technology on the New Campus at Dwarka, NSIT, Delhi, August 13, 1998.
- “From print to electronic journals: A story in transition”. Keynote Address delivered at the SIS Annual Convention and Conference, 12 - 13 Feb., 1999, IMTECH, Chandigarh.
- “Digital libraries: An overview”. Address delivered at 108th Birthday Celebration of Dr. S.R. Ranganathan, organized by the Ranganathan Research Circle at Pragati Maidan, New Delhi on August 12, 2000.
- “Linking and cross-linkings in digital libraries”. Invited talk delivered to the Members of Library Committee at the National Institute of Fashion Technology (NIFT), August 21, 2000, NIFT, New Delhi.
- “Using web technology for imparting education”. Invited Talk at the Departmental Seminar at the Deptt. of Humanities and Social Sciences, IIT Delhi, 23rd August, 2001.
- “Making digital libraries: A practical approach”. Lecture delivered as Panjab University Library Foundation Day Lecture, 2002. Panjab University Library Professional Activities Forum.
- “From print to digital library: A story in transition. Invited talk in the Seminar on Technology and Change Management for Libraries, British Library, Mumbai, 24th Sept., 2002.
- “INDEST Consortium: Shared subscription to e-resources”. Invited talk at the Seminar on ICT Applications in Educational Planning and Management, NEIPA, New Delhi, Oct. 17 – 18, 2002.
- “Consortium-based subscription to electronic resources for technical education system in India”, Invited talk delivered at the Round Table on Sharing of E-Journals through Consortia in Indian Libraries, Bangalore, 28 –29th Nov., 2002.
- “Indian National Digital Library in Engineering Sciences and Technology (INDEST) Consortium”. Invited talk at the One-Day Presentation on Electronic Information Products, Bombay Library Network (BONET) and Centre for Development of Advanced Computing, Mumbai, June 21, 2003.
- “Providing integrated access to multiple digital libraries: Issues and technologies for the INDEST Consortium. Invited presentation made at the Indo-US Workshop on Open Digital Libraries and Interoperability, Arlington, Ballston, VA, USA, June 23 –25, 2003.

- “INDEST Consortium: Moving towards a national consortium”, keynote address delivered at the Workshop on Forging Collaborative Partnerships: Consortium of Libraries of DAE Institutions & FORSA Libraries Meet, TIFR, Mumbai, July 28-30, 2003.
- “Digitization: Tools, technology and processes”. Keynote address delivered on the Dr. Rangnathan's Day Celebration and Seminar on Trends in Librarianship, ADINET, Ahmedabad, 23rd August, 2003.
- “Archiving for perpetual access: Mirror sites and country archives”, Discussion Forum on E-Journals and Publisher-Library Partnership. Seminar on E-journals & Publisher-Library Partnership, organized by the Informatics India, New Delhi, 3rd Nov., 2003.
- “INDEST Consortium: Networking libraries”. Lecture delivered at the Technology-enabled Teaching and Learning Systems in Higher Education, IIT Bangalore , 4th Nov., 2003.
- “Electronic journals and consortia-based subscription to electronic resources”. Third Guest Lecture as precursor to International Conference on Digital Libraries - 2004, delivered at The Energy and Resources Institute (TERI), New Delhi, 23rd Dec., 2003.
- “Web-based resources and services” in panel discussion on Changing Role Model of LIS Professionals in Digital Era in X Annual Convention of Ranganathan Research Circle, University of Delhi, 31st Jan., 2004.
- “Building digital libraries”: 3rd Late Shri S.N. Agarwal Memorial Lecture, 2004 organized by U.P. Library Association, Lucknow.
- “Building digital libraries in a consortium mode: Towards a national consortium”. In: International Conference on Digital Libraries (ICDL 2004), New Delhi , 24 - 27 February, 2004.
- “Building digital libraries: An overview”. In: National Conference on Information Resource Management in Digital Environment, BIT Ranchi, 1-2 October, 2004.
- “Moving towards a national consortium”. In: Symposium on Consortium Approach to Resource Sharing: Issues and Policies, DRTC, Bangalore, 6th - 8th October, 2004.
- “Economics of consortia-based subscription to electronic resources” In: National Conference on Digital Library of Electronic Theses (NCDLET-2005), Jadhavpur University, Kolkata, January 7-8, 2005.
- “Are we ready for e-books?” In: From e-Journals to e-Books – A Journey towards Digital Library, A Seminar on Changing Face of Libraries and Access to Content, organized by the Informatics India, New Delhi, 17th January, 2005.
- “Digitization: An overview”. Third Lecture in the “Lecture Series on Librarianship Today” on occasion of the Centenary Year of the Library of the Gokhale Institute of Politics and Economics, Pune, 4th July, 2005.
- “Knowledge sharing tools and techniques”. In: Recent Advances in Information Technology - 2005 (READIT-2005), IGCAR, Kalpakkam, Tamil Nadu, 13-15 July, 2005.

- “Automation and networking for the new century library”. In: All India Conference for DPS Librarians, 28-30th August, 2005, Pragati Maidan, New Delhi.
- “Institutional repositories as a vehicle for open access publishing”. In: ICDE International Conference, IGNOU, New Delhi, 18-23 November, 2005.
- “Open access and scholarly publishing”. In: Seminar on IT Application in Special Libraries (ITASL), organized by SLA-Asian Chapter, IGNC, New Delhi, Dec. 9, 2005.
- “Electronic publishing and digital libraries”. In: Seminar on Electronic Publishing, Organized by the Afro-Asian Book Council, Pragati Maidan, New Delhi, 30th January, 2006.
- “INDEST Consortium: Current status and future activities”. In: National Conference on Information Management in Digital Libraries, IIT Kharagpur, August 2 to 4 2006.
- “Introduction to digital library”. Live Transmissions through EDUSAT, Consortium for Educational Communication (CEC), New Delhi, November 13 2006.
- “Components of a digital library”. Live Transmissions through EDUSAT. Consortium for Educational Communication (CEC), New Delhi, November 15 2006.
- “Technical infrastructure of a digital library”. Live Transmissions through EDUSAT. Consortium for Educational Communication (CEC), New Delhi, November 16 2006.
- “Digitization, digital preservation, copyright and IPR issues”. Live Transmissions through EDUSAT. Consortium for Educational Communication (CEC), New Delhi, November 17 2006.
- “E-books: Technology, business models and user perspective”; Moderator for Panel Discussion organized by the Informatics India, Nov. 6, 2006.
- “Digital preservation and management”. In: Planner 2006: Digital Preservation, Management and Access to Information in the Twenty First Century, Mizoram University, Aizawl, 9-10th Nov., 2006.
- "Digital library initiatives in India: Problems and prospects" In: Annual Convention of the Society for Information Science, Lal Bahadur Institute of Management, Delhi, 27th January 2007.
- "Digital library initiatives in India: Problems and prospects" In: Moving Beyond Library Automation: The Role of Open Source ICTs in Academic Libraries, West Bengal University of Technology, Kolkata, February 16 to 19, 2007.
- “Electronic publishing and digital libraries”. In: Changing Information Landscape: Impact of ICT, NIFT, New Delhi, 1-2nd March, 2007.
- "Digital library initiatives in India: Concepts, cases and emerging issues". In: EMPI Digital Library National Convention 2007, EMPI Business School, New Delhi, March 18 – 20, 2007.

- “Managing e-resources through consortia: An overview”. In: Workshop on Consortia-based Subscription of Online Resources (CBSOR), ISI, Kolkata, March 30, 2007.
- “Information support in research”. In: Education Summit 2007, FICCI, New Delhi, Nov. 2 – 3, 2007.
- “Open access and scholarly publishing”. Special Lecture Organized by the ADINET, Ahmedabad, 15th Dec., 2007.
- Panelist, Library on Agenda, 2nd Presidential IFLA Meet on “Free Access and Digital Divide -Challenge for knowledge and Society in Digital Age”, Berlin, 18-20th February, 2008.
- “Open access and scholarly publishing”. Live Transmissions through EDUSAT. EMMRC, University of Gujarat, Ahmedabad, 7th March 2008.
- E-Publishing – Gateway to Enhanced Visibility and Accessibility (Keynote Address), 3rd May 2008, India Habitat Centre, New Delhi.
- “UGC-INFONET Digital Library Consortium”. In: E-resource Awareness Programme, MS University Baroda, 28th Jan., 2008.
- “Digital libraries: recent trends”. Guest Lecture delivered to the students and Faculty of Department of Library & Information Science, Gujarat University, Ahmedabad, 13th March, 2008.
- “UGC-INFONET Digital Library Consortium”. In: Seminar on Strengthening Library Resources through Innovative Technology, 29th March 2008, Shri R.K. Parikh Arts and Science College, Petlad, Gujarat.
- “UGC-INFONET Digital Library Consortium: Present status and future endeavours”. In: E-resource Awareness Programme, Lucknow University, 16th May, 2008.
- “Library 2.0: Innovative technologies for building libraries of tomorrow” (keynote address). In: Librarian’s Day 2008 and Seminar on Current Trends in Libraries in the Digital Era, jointly organized by the ADINET and INFLIBNET Centre, 9th August, 2008, Ahmedabad.
- “Access Management in Digital Libraries and Institutional Repositories”. Live Transmissions through EDUSAT. EMMRC, University of Gujarat, Ahmedabad, 9th Sept. 2008.
- “Library 2.0: Innovative technologies for building libraries of tomorrow”. Live Transmissions through EDUSAT. EMMRC, University of Gujarat, Ahmedabad, 11th Sept. 2008.
- “Library 2.0: Innovative technologies for building libraries of tomorrow”. Keynote address in the Workshop on Library 2.0: A Global Information Hub, 5 - 6 February, 2009, Physical Research Laboratory, Ahmedabad.
- “Scholarly Journals Publishing in India”. Lecture delivered on National Science Day, 28th Feb., 2009, Annamalia University, Chidambaram, Tamil Nadu.

- “UGC-INFONET Digital Library Consortium and INDEST-AICTE Consortium: Present Status and Future Endeavours”. Lecture delivered in the “SAARC Seminar on S & T Digital Library”, April 2-3, 2009, New Delhi.
- “Electronic Publishing and Scholarly Communication”. Presidential talk delivered in the “Scholarly Information and Communication in Web Environment”, organized by Indian Journals.com, India Habitat Centre, 23rd May, 2009.

Honours and Awards

- Need-cum-Merit Scholarship 1971 - 1975. Govt. of Rajasthan.
- Third in the Merit of B.Lib.Sc. & Doc. Examination 1976, University of Rajasthan, Jaipur.
- CSIR and DST Travel Fellowship for attending 5th International Conference on Scientometrics and Informetrics, 7 - 10 June, 1995, River Forest, USA.
- CSIR Travel Fellowship for attending 5th International Conference on New Information Technology, 30 Nov. - 2 Dec., 1992, Hong Kong.
- Visitorship Scheme of British Council, British High Commission to visit selected libraries in UK from 17 - 23 Sept., 1993.
- Fulbright Fellowship in Library and Information Science for the year 1997 - 98.
- CSIR, DST and INSA Travel Fellowship for Attending 11th International Conference on New Information Technology and ASCA Meetings held at Taipei, Taiwan from 15 - 21 August, 1999.
- SIS Fellowship for the year 1999 for contributions in the field of information science.
- Young Librarian Award - 2001, SATKAL, Panjab University, Chandigarh.
- 2nd Rank in the Digital Library and Information Science Competition for 2001 organized by the American Society for Information Science and Technology.
- The Librarian of the Year 1999. Indian Association of Special Libraries & Information Centres (IASLIC), Kolkata
- Panjab University Library Foundation Day Lecture, 2002. Punjab University Library Professional Activities Forum
- Member of the Delegation from India that visited libraries and LIS Departments in Germany in 2002.
- Member of Delegation deputed by the Ministry of External Affairs to Indonesia to Discuss Development of INDO-ASEAN S & T Digital Library, 12 - 13 Nov., 2003.
- 3rd Late Shri S.N. Agarwal Memorial Lecture, 2004.
- Certificate of Appreciation for Vision of Digital Libraries in India by the Elsevier Science, 2004.
- Certificate of Appreciation for bringing IEEE / IEE Electronic Library (IEL) Online to One Million Students in India by Institution of Electric and Electronics Engineers (IEEE). Presented during the Meeting of the Library Advisory Council, Institution of Electric and Electronics Engineers (IEEE), held on 27-28 Oct., 2005 in New York, USA.

- ILA-Kuala Best Librarian Award, 2004
- Master Motilal Sanghi Shresth Pustkalaya Sammaan, 2009 (Master Motilal Sanghi Best Librarian Award, 2009)
- Seventh Dr. S.R. Ranganathan Memorial Lecture, Delhi Library Association, 12th August, 2009.

Visits Abroad

- Visited Berlin, Germany to attend 4th International Conference on Bibliometrics, Scientometrics and Informetrics, 10 - 15 Sept., 1993.
- Visited selected libraries in UK from 17 - 23 Sept., 1993 under the Visitorship Scheme of British Council, British High Commission.
- Visited Chicago, USA to attend 5th International Conference on Scientometrics and Informetrics, 7 - 10 June, 1995, River Forest, USA.
- Visited University of California, Davis as Fulbright Visiting Researcher from August - Sept, 1997 and Simmons College, Boston, USA from Sept 97 - March, 1998.
- Visited Taipei, Taiwan, to attend 11th International Conference on New Information Technology and ASCA Meeting, August 15-21, 1999.
- Visited Beijing, China to attend 12th International Conference on New Information Technology, Beijing, China May 29-31, 2001.
- Visited the Library of Singapore National University and Elsevier Science Publishers, Singapore, June 4, 2001.
- Visited Washington, D.C. to attend the Annual Meeting of the American Society for Information Science and Technology (ASIST), 3 - 8 Nov., 2001, Washington, D.C., USA.
- Visited Libraries and LIS Departments in Munich, Stuttgart, Cologne and Humberg in Germany during Oct. 20 – 29, 2002 as a member of the Delegation from India. The delegation was sponsored by the Max Mueller Bhawan.
- Visited Washington, D.C. to attend the Indo-US Workshop on Open Digital Libraries and Interoperability, Arlington, Ballston, VA, USA, June 23 –25, 2003.
- Visited Bangkok, Thailand to attend “Online Information & Education Conference”, Bangkok, Sept. 9-13, 2003.
- Visited Jakarta, Indonesia as a part of Delegation deputed by the Ministry of External Affairs to discuss development of INDO-ASEAN S & T Digital library between 12 and 13 November 2003.
- Visited Hong Kong to attend the Meeting of the Asia Pacific Library Advisory Committee, INSPEC (Institute of Electrical Engineers, UK), 21 – 29th August, 2004.

- Visited New York, USA to attend the Meeting of the Library Advisory Council, Institution of Electric and Electronics Engineers (IEEE), New York, NY, USA, 27-28 Oct., 2005.
- Visited New York, USA to attend the Meeting of the Library Advisory Council, Institution of Electric and Electronics Engineers (IEEE), New York, NY, USA, 26-27 Oct., 2006.
- Visited Bangkok, to attend the “Joint Seminar of Indian and ASEAN Experts to Evolve Work Plan for Establishing ASEAN India S&T Digital Library”, Bangkok, 29-30 May, 2007.
- Visited the Library of Nanyang Technological University, Singapore, June 1, 2007.
- Visited Germany to attend 3rd IFLA Presidential Meeting on “Free Access and Digital Divide: Challenge for Knowledge and Society in Digital Age”, Berlin, February 18 to 23, 2008.
- Visited United Kingdom to i) visit British Library, London and meet Dr. Joanna Newman, Head Higher Education, British Library and Mr. Norman Wiseman, JISC on 23rd May, 2010; ii) Meet Mr. John Paschoud, London School of Economics, London on 24th May, 2010; iii) Meet Mr. Mark Williams, JISC Collections, London; and iv) attend the Meeting of the Library Advisory Committee of the Oxford University Press, Oxford, May 28, 2010.

Publications

Articles Published in Journals

1. Mehta, S.N., **Arora, Jagdish** and Chadha, R.K. ISBD(M): Problems in literature of Indian languages. IASLIC Bulletin 1978: A105-A115.
2. **Arora, Jagdish**, Mehta, S.N., and Chadha, R.K. SDI services for R & D organizations in India: A proposal. ALIS Bulletin, 4(1 & 2),10-14,1980.
3. Mehta, S.N., **Arora, Jagdish**, and Chadha, R.K. ISBD(M): Provisions and implications in Indian libraries. International Library Movement, 4(2), 22-27,1982.
4. **Arora, Jagdish** and Gupta, Namita. International databases for immunologists. Immunology News, 1(3), 5-9, 1990.
5. **Arora, Jagdish** and Sharan Pal Kaur. Recent information technologies and its impact on dissemination of information. Annals of Library Science and Documentation, 39(1), 12-18, 1992. (Also published in Immuno-Informatics,1(5),2-5,1991).
6. **Arora, Jagdish**, Sharan Pal Kaur and Harish Chandra. Computer communication networks and their use: Basic tutorial and current scenario of networks in India. Microcomputers for Information Management, 9(4), 241-261, 1992.
7. **Arora, Jagdish** and Sharan Pal Kaur. Bibliometric analysis of core journals of immunology : A study based on the Annual Reviews of Immunology. Annals of Library Science & Documentation, 41(3), 81-94,1994.

8. **Arora, Jagdish** and Pawan, Usha. Core journals in immunology: A comparative analysis of bibliometric parameters. *International Journal of Scientometrics and Informetrics*, 1(2), 99-122, 1995.
9. **Arora, Jagdish** and Pawan, Usha. Core journals in immunology: Correlation analysis: Rank V/s rank and rank V/s impact factor. *International Journal of Scientometrics and Informetrics*, 1(2), 83-97, 1995.
10. **Arora, Jagdish** and Srivastava, J.P. Applications of recent information technologies for information management: An Indian scenario. *AGLIS Journal*, 11, 1-14, 1995.
11. **Arora, Jagdish** and Pawan, Usha. Collaborative research and authorship patterns in immunology : Correlation between multiple authorship and citedness. *IASLIC Bulletin*, 40(2), 73- 83, 1995.
12. Bhattacharya, Sujeet, Chandrapal and **Arora, Jagdish**. Inside the frontier area of research in physics: A microlevel analysis. *Scientometrics*, 47(1), 131-142, 2000.
13. **Arora, Jagdish**. Indian National Digital Library in Engineering Sciences and Technology (INDEST): A proposal for strategic cooperation for consortia-based access to electronic resources. *International Information & Library Review*, 33, 149-165, 2001.
14. **Arora, Jagdish**. Building digital libraries: An overview. *DESIDOC Bulletin of Information Technology*, 21(6), 3-24, 2001.
15. **Arora, Jagdish**. Network-enabled digitized collection at the Central Library, IIT Delhi. *International Information & Library Review*, 36 (1), 1-11, 2004. Also published as extract in *Bulletin of the American Society for Information Science and Technology*, 28(5), 23-27, 2002.
16. **Arora, Jagdish**. Transforming a traditional library into hybrid library: Use of leadership and managerial skills at the Central Library, IIT Delhi. *Science & Technology Libraries*, 23 (2/3), 5-15, 2004.
17. **Arora, Jagdish**. Applications of new information technology in libraries and information centres. *Grantha: Indian Journal of Library Studies*, 1 (1), 6-96, 2004 (also published in: *National Library Services: ICONLIS 2004: Papers of the International Conference on National Library Services (ICONLIS 2004)*, Kolkata, March 15-16, 2004 (ed. H.K. Kaul). Kolkata: National Library, p. 302-336, 2004.
18. **Arora, Jagdish** and Trivedi, Parul. Radio Frequency Identification (RFID): An automatic identification and data collection technology for libraries. *International Information Communication and Education*, 24(1), 7-19, 2005.
19. Premchand and **Arora, Jagdish**. Access to scholarly communication in higher education in India: Trends in usage statistics via INFLIBNET. *Program*, 42(4), 382-390, 2008.
20. Chandrakar, Rajesh and **Arora, Jagdish**. INFLIBNET: a knowledge gateway for higher education in India. *Link*, Issue 5, 8, 2008.
21. **Arora, Jagdish**. Radio Frequency Identification (RFID) technology. *INFLIBNET Newsletter*, 14 (2-3), 4-8, 2007.

22. **Arora, Jagdish**. Access management in digital libraries. Part I: Authentication and authorization. INFLIBNET Newsletter, 14 (4), 9-14, 2007.
23. **Arora, Jagdish**. Access management in digital libraries. Part II: Access control and secured digital communication. INFLIBNET Newsletter, 15 (1), 16-20, 2008.
24. Shah, Vaishali and **Arora, Jagdish**. Metadata crosswalks. INFLIBNET Newsletter, 16 (1), 2009.
25. **Arora, Jagdish** and Trivedi, Kruti. UGC-INFONET Digital Library Consortium: Present services and future endeavors. DESIDOC Journal of Library and Information Technology, 30(2), 15-25, 2010.
26. **Arora, Jagdish** and Trivedi, Kruti. INDEST-AICTE Consortium: Present services and future endeavors. DESIDOC Journal of Library and Information Technology, 30(2), 79-91, 2010.

Chapters in Books / Published Proceedings

1. Mehta, S.N., **Arora, Jagdish** and Chadha, R.K. Improving scientific writings: in-house assistance to authors. *In*: Primary Communication in Science and Technology in India (eds. R.N.Sharma and S.Seetharama). PID, New Delhi, p.278-282, 1981.
2. **Arora, Jagdish**. Bibliographic storage and retrieval of information using PAPERBASE on APPLE IIe microcomputer. *In*: Use of Microprocessors in Information Analysis and Library Applications. New Delhi, Society for Information Science, p.80-91,1986.
3. **Arora, Jagdish** and Chadha, R.K. Microcomputer-based information storage and retrieval system: Selected off-the-shelf packages for Indian libraries. *In*: Library and information Science: Current Trends in India - Prof. S.N. Srivastva Festschrift (eds. P.K.Gupta and Usha Pawan). Jaipur, RBSA Publishers, p.190-199, 1986. (Reprinted *In*: Handbook of Libraries, Archives and Information Centres in India (eds. B.M. Gupta et al). New Delhi, Information Industry, p.251-260,1986).
4. **Arora, Jagdish** and Chadha, R.K. Micrographic system: Guidelines for selection of microforms and equipments. *In*: Changing Dimensions in Academic Libraries (ed. Umesh C.Rastogi). Lucknow, Lucknow Christian College, p.45-57,1987.
5. Chadha, R.K. and **Arora, Jagdish**. Audio-visual material in academic libraries. *In*: Changing Dimensions in Academic Libraries (ed. Umesh C.Rastogi). Lucknow, Lucknow Christian College, p.35-44,1987.
6. Chadha, R.K. and **Arora, Jagdish**. Creating corporate identity: Visual approaches of marketing library services. *In*: Dimensions of Library and Information Science: Prof. Kaula's Felicitation Volume (ed. Dr. V. Venkatappaiah). New Delhi, Concept Publishing Co., p.369-373, 1990. (Concepts in Communication and Librarianship, No.5).
7. **Arora, Jagdish** and Ahuja, J.P.S. Distributed databases and microcomputer-based local area network (LAN) for a library and information Centre. *In*: Information Technology and Librarianship (eds. R.K.Chadha and S.P.Gupta). New Delhi, AGLIS, p.66-78, 1994.

8. Bhatt, R.K. and **Arora, Jagdish**. Computer networks for the libraries in India. *In*: Information Technology and Librarianship (eds. R.K.Chadha and S.P.Gupta). New Delhi, AGLIS, p.11-27, 1994.
9. **Arora, Jagdish**. Highly-cited articles and high-impact core journals in immunology : A study in bibliometric rank correlation. *In*: Proceedings of the Fifth Biennial Conference of the International Society for Scientometrics and Informetrics (eds. M.E.D. Koenig and A. Bookstein). Medford, Learned Information, Inc., p.673, 1995.
10. **Arora, Jagdish**. Online information retrieval system: Databases, data networks and online search services in India. *In*: Librarianship Today and Tomorrow (Dr. S.C. Verma Festschrift) India (eds. U.C.Sharma and M.R. Rawtani). New Delhi, Ess Ess Publications, p.173-192, 1996.
11. **Arora, Jagdish** and Vyas, Anju. Providing structured access to the electronic journals in engineering and technology on the Internet: An analysis. *In*: Towards the New Information Society of Tomorrow: Innovations, Challenges and impact (ed. N.M. Malwad et al). New Delhi, INSDOC, p. III-90-99, 1998 (FID Publication No.719).
12. **Arora, Jagdish**. Integrating network-enabled digitized collection with traditional library and information services: Brewing a heady cocktail at the IIT Delhi. *In*: IT and Digital Library Development (ed. Ching-chih Chen). West Newton, MicroUse Information, p. 7-16, 1999.
13. Chakravarti, A.K. and **Arora, Jagdish**. Internet-based online interactive courseware in IT: Effective delivery of IT education in a networked society. *In*: NACLIN 99: National Convention on Library and Information Networking. New Delhi, DELNET, p.26-37, 1999.
14. **Arora, Jagdish** and Chakravarti, A.K. Developing web-based digitized collections of online interactive courseware: Teaching information technology via distant / continuing education. *In*: Global Digital Library Development in the New Millennium (ed. Ching-chih Chen). Beijing: Singhua University Press, p.13-19, 2001.
15. **Arora, Jagdish**. Online publishing: An overview. *In*: Workshop on Digital Libraries: Managing Convergence, Continuity and Change, Mysore University, March 12 - 16, 2001 (eds. A.R.D. Prasad and Shalini Urs). Mysore, University of Mysore, p.E1-30, 2001.
16. **Arora, Jagdish**. Building digital libraries: Data capture. *In*: Workshop on Digital Libraries: Managing Convergence, Continuity and Change, Mysore University, March 12 - 16, 2001 (eds. A.R.D. Prasad and Shalini Urs). Mysore, University of Mysore, p.D1-31, 2001.
17. **Arora, Jagdish** and Mujoo-Munshi, Usha. Acquisition, access and creation of electronic resources: Proposed Working Model in India. *In*: India in the new Asia-Pacific (eds.: M.L. Sondhi and K.G. Tyagi). New Delhi, Manas Publications, p. 125 – 149, 2001.
18. **Arora, Jagdish**, Chauhan, Ravi and Chakravarthi, A K. Developing digitized collections for distant and continuing education in information technology: Online directory of Internet-based online interactive courseware. *In*: Information Management in New Millennium (eds.: Usha Mujoo-Munshi). New Delhi, Allied Publisher Pvt. Limited, p.199-218, 2002.

19. **Arora, Jagdish** and Chander Pal. Providing and integrated access to network-enabled digitized collection through the Central Library Homepage at IIT Delhi. *In: Information Management in New Millennium* (eds.: Usha Mujoo-Munshi). New Delhi, Allied Publisher Pvt. Limited, p 219-239, 2002.
20. **Arora, Jagdish** and Mujoo-Munshi, Usha. Accepting the challenges of new information technology: Reinventing the library & information science profession in the new millennium. *In: Information Management in New Millennium* (eds.: Usha Mujoo-Munshi). New Delhi, Allied Publisher Pvt. Limited, p. 25-42, 2002.
21. **Arora, Jagdish** and Bhattacharya, P. Digital library development in India: A case study of the development at the Central Library of IIT Delhi. *In: Proceedings of the National Conference on Information Management in e-libraries (IMeL 2002)*. Kharagpur, IIT Kharagpur, paper No. 92, 2002. (CD ROM Version).
22. **Arora, Jagdish** and Agarwal, Pawan. Indian National Digital Library in Engineering Sciences and Technology (INDEST) Consortium: Consortia-based subscription to electronic resources for technical education system in India. *In: Proceedings of CALIBER 2003* (eds. S.M. Salgar, et al). Ahmedabad, INFLIBNET, p. 271-290, 2003.
23. Guha, Tamal K. and **Arora, Jagdish**. INDEST Extended. *In: PLANNER 2003: Automation of Libraries in North Eastern Region: Trends and Challenges* (ed. T.A.V. Murthy). Ahmedabad: INFLIBNET, p. 277-287, 2003.
24. **Arora, Jagdish** and Agarwal, Pawan. Building digital libraries in a consortium mode: Towards a national consortium. *In: International Conference on Digital Libraries, 24th-27th February, TERI, New Delhi: Conference papers, vol. 1. New Delhi, The Energy and Resources Institute, p. 292-311, 2004. (Republished in the Proceedings of the Symposium on Consortia Approach to Resource Sharing: Issues and Policies* (ed. Dr. Devika P. Madalli). Bangalore, DRTC, Paper E, 29 p., 2004.
25. Munshi, Usha, **Arora, Jagdish** and Agarwal, Pawan. Creating a national digital repository for electronic theses and dissertations in India. *In: Rama Reddy Festschrift volume* (in press).
26. **Arora, Jagdish**. Managing electronic resources through consortia: An overview. *In: Library and Information Networking: NACLIN 2005: Proceedings of the National Convention on Library and Information Networking held at PES Institute of Technology, Bangalore* (eds. H.K. Kaul and Gayathri Sen). New Delhi: DELNET, 144-171, 2005.
27. **Arora, Jagdish**. Digital preservation and management (theme paper). *In: 4th PLANNER-2006: Digital Preservation, Management and Access to Information in the Twenty First Century* (eds. P. Rath, et al). Ahmedabad, INFLIBNET, p. 1-20, 2006.
28. **Arora, Jagdish**. Digital preservation: Major issues, challenges and strategies. *In: International Conference on Digital Libraries 2006: Information Management for Global Access, vol. 2. New Delhi, TERI, p. 889-905, 2006.*
29. **Arora, Jagdish**. Changing dimensions of library and information services in India: Keynote Address. *In: Changing Dimensions of Parliamentary Library and Information Services in the*

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Other Publications

1. I was associated with all activities relating to publication of books, monographs, annual reports and Telephone Directory at the National Institute of Immunology (1983 - 1991) and Indian Institute of Technology Delhi (2005-2007).
2. Central Library, IIT Bombay: Know Your Library. Mumbai, IIT Bombay, 2002. 31 p.
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4. Video Script on "Introduction to the digital libraries" produced by IGNOU for the Post Graduate Diploma in Library Automation and Networking, 2003.
5. **Arora, Jagdish**. Course Material on "**Types of Internet Resources (Block 1)**" for "PG Diploma in Library Automation and Networking" (PGDLAN) offered by the Indira Gandhi National Open University (IGNOU). New Delhi: IGNOU, 2003. Block consists of the following four units:
 - Unit 1: Meta Resources
 - Unit 2: Internet Information Resources
 - Unit 3: Evaluation of Information Resources on Internet
 - Unit 4: Digital Libraries
6. **Arora, Jagdish**. Course Material on "**Internet Resources and Services (Block 4)**" for M.L.I.Sc. Programme offered by the Indira Gandhi National Open University (IGNOU) New Delhi: IGNOU, 2004. The block consists of the following three units:

- Unit 1. Basics of Internet
- Unit 2. Use of Search Engines
- Unit 3. Internet Services

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- Unit 1: Digitization: Concept and Need
- Unit 2: Digitization: Methods and Equipment

8. **Arora, Jagdish.** Course Material for Bachelor of Library and Information Science offered by the Madhya Pradesh Bhoj (Open) University. Bhopal, 2004 on the following two courses:

- BLIS-4: Database Management System
- BLIS-7: Information Technology

9. **Arora, Jagdish.** Course Material on “**Digital Library**” for Web-based Certificate in ICT in Libraries by Consortium for Education Communication (CEC), New Delhi, 2007. The unit on digital libraries consists of the following four chapters:

- Chapter 1: Introduction to digital libraries
- Chapter 2: Components of digital libraries
- Chapter 3: Technical Infrastructure of digital libraries
- Chapter 4: Digitization, Digital Preservation and IPR Issues

10. **Arora, Jagdish.** Course Material for “**Web-based Interactive Multimedia Training Programme on Digitization and Digital Libraries**”, a project funded by the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, New Delhi, 2007. The following three chapters were contributed by me:

- Module 2: Digital Library Infrastructure and Architecture Technology
- Module 6: Access Management and Security in Digital Libraries
- Module 8: Digital Preservation: An Overview

11. **Arora, Jagdish.** Course Material on “**Use of ICT in Libraries (MLIS-07)**” for M.L.I.Sc. Programme offered by the Vardhaman Open University, Kota. The following two chapters were contributed by me:

- Unit 9: Digital Library: Basics, Components and Services
- Unit 10: Digital Library: Technical Infrastructure, Preservation and IPR Issues

12. **Arora, Jagdish.** Course Material on “**Use of ICT in Libraries**” for M. Phil. in Library and Information Science Programme offered by the Vardhaman Open University, Kota. The following two chapters were contributed by me:

- Unit 11: Open Access Publishing: An overview

Unit 12: Institutional Repositories: An overview

13. **Arora, Jagdish.** Course Material on “**Resource Sharing Networks**” (Block 5) for B.L.I.Sc. Programme in Library and Information Science offered by the Vardhaman Open University, Kota. The following chapter was contributed by me:

Unit 1: Library and Information Networks

14. **Arora, Jagdish.** Course Material on “**E-resources**” for **Certificate Programme on Soft Skills** (course 3- Unit-9) offered by the Vardhaman Open University, Kota.

15. **Arora, Jagdish.** Course Material on “**Academic Library System**” (Course II) for M.Phil. in Library and Information Science Programme offered by the Vardhaman Open University, Kota. The following two chapters were contributed by me:

Unit 10: ICT in Academic Libraries

Unit 11: Academic Library Consortia and Networks

16. **Arora, Jagdish.** Course Material on “**Emerging Trends in LIS**” (Course III) for M.Phil. in Library and Information Science Programme offered by the Vardhaman Open University, Kota. The following two chapters were contributed by me:

Unit 01: Planning of Library Automation, Environment, Infrastructural, Human Resources

Unit 06: Web 2.0 and Library 2.0

(Jagdish Arora)