ISSN 0018-8441

# IASLIC

# **B**alletin

#### A Peer-reviewed Quarterly Journal

# /ol. 68 No. 3 September 2023

**CODEN IASLA 9 ISSN 0018-8441** 

- Marketing of Library and Information Products and Services (LIPS)
- Dissemination of Agricultural Information in Rural Meghalaya
- Library Anxiety among Postgraduate Students
- Dataverse in Research Data Management Services
- Bibliographic Data in BIBFRAME Model for Search Engines
- Library @ Users' Doorstep



Indian Association of Special Libraries & Information Centres

Kolkata - 700054

## **IASLIC Bulletin**

A Peer-Reviewed Quarterly Journal

of Indian Association of Special Libraries and Information Centres

#### **IASLIC Bulletin Advisory Board 2023**

#### **ARD Prasad**

Former Professor, DRTC, Indian Statistical Institute, Bangaluru

#### **Amitabha Chatterjee**

Former Professor, DLISc, Jadavpur University, Kolkata

#### **Arjun Dasgupta**

Former Professor, DLISc, University of Calcutta, Kolkata

#### **B Ramesh Babu**

Former Professor, DLISc, University of Madras, Chennai

#### C R Karisiddappa

Former Professor, DLISc, Karnataka University, Dharwad

#### Claudio Gnoli

Librarian, University of Pavia, Pavia, Italy

#### **Humayoon Kabir**

University of Kerala, Thiruvananthapuram

#### J N Satpathi

Former Librarian, National Institute of Homeopathy, Kolkata

#### Julia M Gelfand

Applied Sciences Engineering Librarian, University of California, Irvine, California, USA

#### Krishnapada Majumder

Former Prabir Raychoudhury Chair Professor, Jadavpur University, Kolkata

#### **M** P Satija

Former Professor, DLISc, Guru Nanak Dev University, Amritsar

#### Narendra Lahkar

Former Professor, DLISc, Gauhati University, Guwahati

#### Pradeepa Wijetunge

Librarian, University of Colombo, and Co-ordinator - Consortium of Sri Lankan Academic Libraries (CONSAL), Sri Lanka

#### P R Goswami

Former Director, NASSDOC, Indian Council of Social Science Research (ICSSR), New Delhi

#### R K Chadha

Former Additional Secretary, Parliament of India; Jaipur, Rajasthan

#### Ratna Bandyopadhyay

Former Professor, DLISc, University of Calcutta, West Bengal

#### S B Banerjee

Former Deputy Manager (Information) Hindustan Paper Corporation Ltd. Kolkata

#### Marketing of Library and Information Products and Services: Conducements and Cogencis – Quests and Traces for Development

#### Milan Kumar Sarkar and Subhendu Kar

#### Abstract

**Purpose:** The purpose of this paper is to discuss the principles, objectives and significance of marketing management and its implementation in library and information units, the imperative need. The present study aims to explain the meaning and definition of marketing of library and information services. It highlights the marketing strategies, tools and techniques for attaining the highest degree of user satisfaction. This paper seeks to explore the major challenges and barriers to this regard. It attempts to suggest a conceptual framework that is suitable for better marketing of Library and Information products & services (LIPS) especially in the digital environment and the past changing economy.

**Methodology:** This study is based on literature review and the unfolded aspects of the existing concepts of LIS marketing, adding some new concepts with a suggested model of strategy.

**Findings:** Effective marketing management is a decisive factor for enrichment of the services by adopting marketing, overcoming the awes and woos.

**Originality:** It is an attempt to bring to help a new discourses for LIS marketing which may help the library professionals to understand and adopt marketing strategies to promote LIS products & services in a dynamic digital environment.

**Keywords:** Library and information service; Marketing management; Library Product and Service, Tool and Technique of LIS Marketing; Customer Relationship Management

#### References

- 1. KOTLER (P T) and ARMSTRONG (G). *Principles of marketing*. 2015. 16th ed. Pearson Education India; Chennai, p84-6.
- 2. KOTLER (P) and KELLER (K L). *Marketing management*. 2017. 15th ed. Pearson Education India; Chennai, p45-9.
- 3. DIBB (S), SIMKIN (L), PRIDE (W M) and FERRELL (O C). *Marketing concepts and strategies. 1994.* 2nd European ed. Houghton Mifflin; London, p77-8.
- 4. COOTE (H). *How to market your library service effectively. In* WEBB (S P), Ed. The Aslib Know How Series. 1994. The Association for Information Management; The Hague, p49-

56.

- 5. GUPTA (D K). Marketing of library and information services: building a new discipline for library and information science education in Asia. *Malaysian Journal of Library & Information Science*, 8, 2; 2003, p95-108.
- 6. SHONTZ (M L), PARKER (J C) and PARKER (P). What do librarians think about marketing? a survey of public librarian's attitude towards the marketing of library services. *Library Quarterly*, 74, 1; 2004, p63-84.
- 7. PATHAK (M) and JAIN (A). Marketing of library and information services: a study of librarians perception. *NACLIN*, 2013, p1-22.
- 8. CHAUBEY (A K) and LAL (M). Marketing of

Submitted on June 12, 2021 Last Revised on August 07, 2023

Accepted on August 31, 2023

SARKAR (Milan Kumar) and KAR (Subhendu). Marketing of library and information products and services: conducements and cogencis – quests and traces for development. *IASLIC Bulletin*. 68, 3; 2023, Sept, p131-41

Sarkar and Kar

library and information science products and services in present scenario. *In* PRATAP (B), KUMAR (R), and SINGH (B), <u>Ed.</u> *Transformation of library services in electronic era.* 2016. Studera Press; New Delhi, p331–45.

- 9. ARUNKUMAR (H S) and RAMANI (M). Marketing of library and information products and services: an overview. *International Journal of Library and Information Science*, 7, 2; 2018, p39–44. https://doi.org/10.34218/ijlis.7.2.2018.005
- BHATT (R K) and GUPTA (D). Essentials of marketing management in LIS. *Library Philosophy and Practice (e-journal)*, 1987; 2018, p1-35. http://digitalcommons.unl.edu/libphilprac/1987
- 11. ALAWADHI (S) and AL-DAIHANI (S M). Marketing academic library information services using social media. *Library Management*, 40, 3/4; 2019, p228–39. https://doi.org/10.1108/lm-12-2017-0132
- 12. MANDREKAR (B), CARVALHO (E) and RODRIGUES (M). Marketing of library and information products and services during Covid -19 pandemic: a study. *Library Philosophy and Practice (e-journal)*, 4514; 2020, p1-20. https://digitalcommons.unl.edu/libphilprac/4514
- 13. MCCARTHY (J E). Basic marketing: a managerial approach, 1975. 5<sup>th</sup> ed, Richard D. Irwin; Homewood, p37.
- 14. BOOMS (B) and BITNER (M J). Marketing strategies and organizational structures for service firms. *In* DONNELLY (J H) and GEORGE (W R), Ed. *Marketing of Services*, American Marketing Association: Chicago. 1981, p47-51.

15. CONSTANTINIDES (E) . The 4S web-marketing mix model. *Electronic Commerce Research and Applications*, *1*, *1*; 2002, p57-76. doi:10.1016/s1567-4223(02)00006-6

Dr Milan Kumar Sarkar is presently working as a



Librarian of Central Library, K D College of Commerce & General Studies, Midnapore, West Bengal. He has obtained his Ph D from Jadavpur University. He has published several papers and has attended several

Seminars, Workshops etc, and edited 4 conference proceedings. He organised several UGC sponsored National Seminars and Workshops. He was a Member of Local Library Authority (LLA), Paschim Medinipur (1997-2018) and also was an elected member of the Court, Vidyasagar University, West Bengal. *Affiliation:* Librarian, K D College of Commerce and General Studies, Paschim Medinipur.

i : 8597657557 ⊠ drmilansarkar@gmail.com

Subhendu Kar is presently working as a Librarian of



Vivekananda Satavarshiki Mahavidyalaya, West Bengal and a research scholar of the Department of Library and Information Science, Vidyasagar University. Formerly, he worked with Tata Consultancy Services

as an Information Officer and Assistant Librarian of J.D. Birla Institute, Kolkata. The author has more than twenty papers published in conference proceedings, book chapters and journal articles. *Affiliation:* Librarian, Vivekananda Satavarshiki Mahavidyalaya, Jhargram. : 7908246589 Subhendu.kar@gmail

# Dissemination of Agricultural Information : Role of Public Libraries in Rural Meghalaya, North-East India

#### Deity Kharakor<sup>a</sup>, Chanlang Ki Bareh<sup>b</sup> and Bandon Lyttan<sup>c</sup>

#### Abstract

**Purpose:** Public libraries in rural areas are established to serve communities. Surprisingly, mostly rural people do not seek agricultural information from public libraries. Therefore, it is imperative to assess their information needs and seeking pattern, to understand their views towards public libraries' status, and to recommend extension services to attract rural people.

**Methodology:** The sample population for this study consists of 241 respondents out of 300 questionnaires distributed. Three districts, namely East Khasi Hills, West Khasi Hills and the Ri Bhoi, are chosen as a representative sample following a stratified random sampling technique to represent the whole population in Meghalaya, India. The survey data are analysed using Statistical Package for SPSS.

**Findings:** Most respondents have conveyed that libraries do not impart or conduct agriculture extension programmes in their respective districts. Majority of the respondents seek information on agricultural activities such as how to cultivate a better crop, how to get better see and how to get government assistance etc. from sources like 'Parents', 'Headman' and 'Friends' but not from public libraries.

**Originality:** This study contributes to the existing body of knowledge on agricultural information. Public libraries in India must take initiatives towards agriculture literacy programmes. The findings will be of practical use to policymakers and public libraries. The recommendations will aid stakeholders like the government's department or libraries to plan for extensive information literacy programmes.

**Keywords:** Agricultural information; Agriculture information need; Agriculture information-seeking pattern; Public library

#### References

- 1. MAHAPATRA (R K). Information needs and information seeking behavior of farmers in a local community in Odisha: an analytical study. *SRELS Journal of Information Management*. 53,1; 2016, Jul, p35–41.
- 2. KASKE (D). Information needs and seeking behavior of farmers in Southern Ethiopia. *Library*
- *Philosophy and Practice(e-Journal)*. 4341; 2020, Oct, p1–18.
- 3. KAPOOR(A) and SENTHIL(P). View: agricultural reforms needed for India. *Economictimes*.2022, Nov 29. 20, p1-2.
- 4. RAHMAN (T), ARA (S) and KHAN (N A). Agro-information service and information-seeking behaviour of small-scale farmers in rural

Submitted on December 07, 2022

Last revised on March 22, 2023

Accepted on May 19, 2023

KHARAKOR (Deity), BAREH (Chantang Ki) and LYTTAN (Brandan). Dissemination of Agritural Information : role of public libraries in rural Meghalaya, North East India. *IASLIC Bulletin*. 68, 3; 2023, Sept, p142-53

- Bangladesh. *Asia-Pacific Journal of Rural Development*. 30,1–2; 2020, Dec, p175–94.
- 5. KABIR, (K H), ROY (D), SARKER, (M A) and KURI (S. K). Information seeking behavior of the farmers to ensure sustainable agriculture. *European Academic Research*. 2, 3; 2014, Jun. p3723–34.
- 6. NAIDU (PG). The role of library professionals in providing agricultural information to rural farmers a study. *International Journal of Library and Information Studies*. 8, 2; 2018, Apr-Jun, p393-400.
- 7. LAL (J). The role of public libraries in sociocultural development in Rural Areas in India. *Library Progress (International)*. 38, 2; 2018, Dec, p299–313.
- 8. JONES (E). The public library movement, the digital library movement and the large-scale digitization initiative: assumptions, intentions, and the role of the public. *Information and Culture*. 52, 2; 2017, May, p 229–263.
- 9. MEITEI (L S) and DEVI (T P). Farmers information needs in rural Manipur: an assessment. *Annals of Library and Information Studies*. 56; 2009, Mar, p35-40.
- 10. SINGH (K) and VARMA (A K). Agricultural information needs of farmers in select villages of Varanasi district: a case study. *Journal of Advances in Library and Information Science*. 6, 4; 2017, Oct-Dec, p305-31.
- 11. LWOGA (E T), NGULUBE (P) and STILWELL (C). Information needs and information seeking behaviour of small-scale farmers in Tanzania. *Innovation*. 40; 2010, Jun, p82-103.
- 12. TOLOGBONSE (D), FASHOLA (O) and OBADIAH (M). Policy issues in meeting rice farmers agricultural information needs in Niger State. *Journal of Agricultural Extension*. 12, 2; 2008, Dec, p84-94.
- 13. BACHHAV (N B). Information needs of the rural farmers: a study from Maharashtra, India: a survey. *Library Philosophy and Practic (e-journal)*. 866; 2012, Feb, p1-12.
- 14. AKANDA (AKM) and ROKNUZZAMAN (M).

- Agricultural information literacy of farmers in the northern region of Bangladesh. *Information and Knowledge Management*. 2; 2012, p1-11.
- 15. UKACHI (N) . Information needs, sources and information seeking behaviour of rural women in Badagry, Lagos, Nigeria. *Information Trends*. 4, 5; 2007, Jan, p1-19.
- 16. OLADELE (O I). Effect of information communication technology on agricultural information access among researchers, extension agents and farmers in South Western Nigeria. *Journal of Agriculture and Food Information*. 12, 2;2011, May, p167-76.
- 17. OPARA (U N). Agricultural information sources used by farmers in Imo State, Nigeria. *Information Development.* 24, 4; 2008, Nov, p289-92.
- 18. MOOKO (N) and AINA (L O). Information environment of artisans in Botswana. *Libri*. 57, 1; 2007, Jan, p27-33.
- 19. INVWIERI (J W). Information needs of illiterate female farmers in Ethiopea East local government area of Delta State, Nigeria. *Library Hi Tech News*. 9, 10; 2007, Oct, p38-42.
- 20. VIDANAPTHIRANA (N P). Agricultural information systems and their applications for development of agriculture and rural community, a review study. https://www.researchgate.net/publication/336252494\_Agricultural\_information\_systems\_and\_their\_applications\_for\_development\_of\_agriculture\_and\_rural\_community\_areview study. (Retrieved on Sep 15, 2021).
- 21. BABU (S C), GLENDENNING (C J), ASENSO-OKYERE (K) and GOVINDARAJAN (S K). 2012. Farmers' information needs and search behaviours: case study in Tamil Nadu, India. *International Food Policy Research Institute*. 1165; 2012, p1–37. http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/126836. (Retrieved on Feb 01, 2022).
- 22. AINA (L O). Information provision to farmers in Africa: the library extension service linkage. *IFLA General conference and council. Seoul, Korea,* 72<sup>nd</sup>. World Library and Information

- Congress: 72<sup>nd</sup> IFLA General Conference and Council, Seoul, Korea, August 20-24, 2006, International Federation of Library Association & Institutions; Seoul. 2006, p1-7.
- 23. CRNKOVIC(V). Agricultural rural libraries in Serbia in the era of information technology. *IFLA General Conference and Assembly*, 78<sup>th</sup>. IFLA World Library and Information Congress, Helsinki, Finland, Aug 11-17, 2012. IFLA World Library and Information Congress; Finland. 2012. p1-13.
- 24. KANTUMOYA (A). Public libraries and community information services in Africa. *Journal of Library Archive and Information Science*. 2, 1; 1992, Jan, p 33-8.
- 25. RHOE (Y), VICTOR (O) and SHELTON (P) The role of libraries in supporting agriculture policy research: evidence from selected university and research institute libraries in Nigeria. *International Food Policy Research Institute*. 0014; 2010, p1-20. https://www.ifpri.org/publication/role-libraries-supporting-agricultural-policy-research. (Retrieved on Nov 28, 2021).
- 26. SHOURIE (A). Information society: go beyond declarations. (Dec 15, 2003). https://indianexpress.com/article/news-archive/information-society-go-beyond-declarations/(Retrieved on Jan 6, 2022).
- 27. SHARMA (A K). A study on uses of public library/ community information centers by the farmers in Madhya Pradesh. *International Journal of Digital Library Services* 3, 4; 2013, Oct-Dec, p69-82.
- 28. MOLLAH (N). Rural library as community information service centres at the villages. *Indian Journal of Information Sources and Services*. 3, 1;2013, Jan-Jun, p69-82.
- 29. POTNIS (D), CHENGALUR-SMITH (I S) and MISHRA (G). Information networks for bridging

information divide in isolated communities of farmers in rural India. *Proceedings of the Association for Information Science and Technology.* 54, 1; 2017, Oct, p781–3.

Ms. Deity Kharakor completed her Master's degree.



She is pursuing a PhD programme in the Department of Library & Information Science, North-Eastern Hill University, India. She is currently the Librarian of Mawsynram Border Area College, Mawsynram, Meghalaya. *Affiliation*:

Research Scholar, DLISc, North Easter Hill University, India. ⊠ dietylib@gmail.com

Mr Chanlang Ki Bareh serves as the Assistant



Librarian in the Central Library at Nagaland University, India. He holds an M.L.I.Sc degree and was previously associated with Assam Don Bosco University, India. He is simultaneously pursuing a PhD programme in the area

of Information needs, Information Seeking Behaviour and Privacy Studies in the Department of Library & Information Science at North-Eastern Hill University, India. *Affiliation*: Assistant Librarian, Central Library, Nagaland University, Nagaland, India.

Dr Brandon Lyttan completed his Master's degree



and PhD in Library and Information Science from North Eastern Hill University. He is currently the Librarian of the District Institute of Education and Training, Thadlaskein, Meghalaya. His research works are mostly on Human

Information Behaviour and User studies. *Affiliation :* Librarian, District Institute of Education and Training, Thadlaskeir, Meghalaya.

#### Library Anxiety among Postgraduate Students of North East India: An AQAK Scale Measurement

#### Tripti Gogoi<sup>a</sup>, Mangkhollen Singson<sup>b</sup> and A Agalya<sup>c</sup>

#### Abstract

**Purpose:** The present study is to investigate the level of library anxiety among Northeast Indian students pursuing higher education in Northeast India and outside Northeast India.

**Design:** AQAK library anxiety scale was used to identify the anxiety level and to test the hypothesis. An online survey was conducted using different social networking platforms among 120 postgraduate students using a simple random sampling survey method, out of which 111 of them have responded actively.

**Findings:** The study found no significance changes in library anxiety level related to gender, state, residential background, and institute/university of the users. More importantly, respondents have recommended valuable suggestions for the growth of the library and efficient usage of library resources

**Originality:** This study is an initiative to understand library anxiety among Northeast students. It also focuses on the suggestions provided by the students to improve the usage of library resources.

Keywords: Library anxiety; AQAK; User survey; Postgraduate student; Northeast India

#### References

- 1. VANDENBOS (G R). APA dictionary of psychology. 2007. 2<sup>nd</sup> ed. American Psychological Association; Washington, DC.
- 2. MCPHERSON (M A). Library anxiety among university students: A survey. *IFLA journal*.41,4; 2015, p317-25.
- 3. GROSS (M) and LATHAM (D). Attaining information literacy: an investigation of the relationship between skill level, self-estimates of skill, and library anxiety. *Library & Information Science Research*. 29,3; 2007, p332-53.
- 4. RAJA RAMMOHAN ROY LIBRARY FOUNDATION. *Public library system in India*. http://rrrlf.nic.in/StaticPages\_PubLibSystem/PubLibScenario.aspx. (Nov 01, 2021). (*Retrieved on Jan 13, 2022*)
- 5. WANI (Z A). Development of public libraries in

- India. Library Philosophy and Practice.165, 2008
- 6. GOGOI (T), SINGSON (M) and THIYAGARAJAN (S). Library Anxiety among marginalized University students in Northeast India. *Evidence Based Library and Information Practice*.16,1;2021, p25-45.
- 7. LEDERMAN (L C). Fear of talking: which students in the academic library ask librarians for help? *RQ*. 20, 4; 1981, Jul,p382-93.
- 8. MELLON (C A). Library anxiety: a grounded theory and its development. *College and Research Libraries*, 47, 1986, p160-5.
- 9. BOSTICK (S L). The development and validation of the library anxiety scale. Wayne State University, United States of America. Ph D Thesis. 1992. (unpublished).
- 10. JIAO (Q G), ONWUEGBUZIE (A J) and

Submitted on May 09, 2022

Last revised on August 11, 2023

Accepted on August 31, 2023

GOGOI (Tripti), SINGSON (Mangkhollen) and AGALYA (A). Library anxiety among postgraduate students of North East India: an AQAK scale measurement. *IASLIC Bulletin*. 68, 3; 2023, Sept, p154-65

- LICHTENSTEIN (A A). Library anxiety: characteristics of 'at-risk' college students. *Library & Information Science Research*.18,2; 1996, p151-63.
- 11. SWIGON (M). Library anxiety among Polish students: development and validation of the Polish library anxiety scale. *Library & Information Science Research*. 33, 2; 2011, p144-50.
- 12. ANWAR (M A), AL-QALLAF (C L), AL-KANDARI (N M) and AL-ANSARI (H A). AQAK: A library anxiety scale for undergraduate students. *Journal of Librarianship and Information Science*.44, 1; 2012, p36-46.
- 13. SONG (Z) ZHANG (S) and CLARKE (C P). Library anxiety among Chinese students: modification and application of LAS in the context of Chinese academic libraries. *The Journal of academic librarianship*.40, 1; 2014, p55-61.
- 14. KUHLTHAU (C C). Developing a model of the library search process: Cognitive and Affective Aspects. *RQ*. 28, 2; 1988, p232-42.
- 15. MECH (T F) and BROOKS (C I). Library anxiety among college students: an exploratory study. *The 7th National Conference of the Association of College and Research Libraries*, 7<sup>th</sup>. Pittsburgh, PA, March 30-April 2, 1995.
- MOHUNDRO (J L). The effectiveness of bibliographic instruction on reducing library anxiety in GED students at a community college. Texas A& M University, United States of America. Ph D Thesis. 1999. (unpublished).
- 17. WHITMIRE (E). A longitudinal study of undergraduates' academic library experiences. *Journal of Academic Librarianship.* 27, 5; 2007, p379-85.
- 18. GOGOI (T), SINGSON (M) and THIYAGARAJAN (S). Library Anxiety among marginalized University students in Northeast India. *Evidence Based Library and Information Practice*.16,1;2021, p25-45.
- 19. SINGSON (M) FIRDAUS (MD) and THIYAGARAJAN(S). Library anxiety: a survey

- on post-graduate students of Pondicherry University, India. *Journal of Knowledge & Communication Management*. 5,2; 2015, p 189-202.
- 20. SAMPLE (A). Using augmented and virtual reality in information literacy instruction to reduce library anxiety in non-traditional and international students. *Information Technology and Libraries*. 39,1;2020, Mar.

Tripti Gogoi is a full time PhD research scholar in the



DLISc, Pondicherry University. She has published many papers in journals and conference proceedings. Her area of interest includes Library anxiety and User studies. *Affiliation:* Research Scholar, Department of Library and Information Science, Pondicherry

Dr Mangkhollen Singson is an Associate Professor in



the DLISc, Pondicherry University. He has 13 years of teaching experience. His area of interest includes knowledge management, open science, scholarly communication, and Information economics. He has published many papers. *Affiliation:* Associate Professor,

Smt. A Agalya is UGC-JRF research scholar in the



Department of Library and Information Science, Pondicherry University. She has published many papers in journals and conference proceedings. Her area of interest includes Emotional Intelligence, Intercultural, and User studies. *Affiliation*: Research Scholar

Department of Library and Information Science, Pondicherry University Kalapet-605014 Puducherry 

☑ aagalya92@gmail.com 

∮ 9487189898

### **Dataverse in Research Data Management Services**

#### Surbhi Arora and Rupak Chakravarty

#### Abstract

**Purpose:** To simplify working with and sharing research data, researchers want infrastructure that provide the highest level of accessibility, stability, and reliability. The Harvard Dataverse Project (HDP) (https://dataverse.org/) is compiling a growing list of such infrastructure. In this regard, the purpose of this paper is to provide an overview through an analysis of the activities of the Dataverse website in managing research data.

**Methodology:** The study examines the statistics systems and other critical resources concerning upload and use the dataverse/ datasets/ files upto October 2022. This includes the creation of dataverse, category of dataverse, uploaded total datasets, file downloads trend, publication of dataverse or datasets, most approachable subject to share and browse data, the most recommended file type of research data and access level of research data. The basic resources include top metadata sources and data citation standards of dataverse project.

Findings: It is noted that behaviours associated with structured study outcomes are more evident in developed countries as opposed to developing countries according to top author affiliation which is from the USA. The findings also show that research data in Medicine, Health, and Life Sciences is more uploaded and structured, whereas data in Social Sciences is more browsed and structured. Overall, the generation of dataverses, datasets, files, their downloads, and publication dataset is on the rise. On the dataverse website, good citation standards are being noticed, as well as the fact that 97 percent of data are available to reuse because contributors waive their copyright licences under CCO.

**Originality/ Value:** This study presented an overall picture of the growing research data practices throughout the investigation on the Harvard Dataverse platform. The research proposed best practices focused on RDM operations to improve the amount of Research Data activities.

**Keywords:** Research data management; Dataverse; Dataset; Data citation standard; Harvard dataverse project

#### References

- 1. HARVARD DATAVERSE. Dataverse.harvard.edu. https://dataverse. harvard.edu/. (Retrieved on Nov, 08, 2022).
- 2. KING (G). Overview of a proposed standard for the sholarly citation of quantitative data. *IASSIST Quarterly*. 30, 2; 18, 2007.
- 3. KING (G). Replication, replication. *PS: Political Science and Politics*. 28; 1995, p444–52. https://j.mp/2oSOXJL. (Retrieved on Nov. 06, 2022).
- 4. ARORA (S) and CHAKRAVARTY (R). Preserving global research data: Role and Status of Re3data in RDM. *Library Philosophy and*

Submitted on December 21, 2022

Revised on May 05, 2023

Accepted on July 15, 2023

ARORA (Surbhi) and CHAKRAVARTY (Rupak). Dataverse in research data management services. *IASLIC Bulletin*. 68, 3; 2023, Sept, p166-75

- Practice. 5550; 2021, p1-22.
- 5. GUPTA (N), ARORA (S) and CHAKRAVARTY (R). Science mapping and visualisation of research data management: bibliometric and scientometric study. *Library Philosophy and Practice* 6096; 2021, p1–24.
- 6. ALTMAN (M) and CROSAS (M). The evolution of data citation: from principles to implementation. https://iassistquarterly.com/public/pdfs/iqvol371\_4\_altman.pdf. (Retrieved on Nov. 02, 2022).
- 7. ARORA (S) and CHAKRAVARTY (R). Making research data discoverable: an outreach activity of Datacite. *Library Philosophy and Practice*. 5199, p2021b. https://digitalcommons.unl.edu/libphilprac/5199/ (Retrieved on Oct. 02, 2022).

Surbhi Arora, JRF is based at the Library and



Information Science department, Panjab University, Chandigarh. Research Scholar (ORCID: 0000-0002-4593-4195) *Affiliation*: Library and Information Science Department, Panjab University, Chandigarh, PIN:

160014 ⊠ surbhi03@pu.ac.in

Prof Rupak Chakravarty is based at the Library and



Information Science department, Panjab University, Chandigarh. Professor (ORCID: 0000-0001-5046-1663), *Affiliation*: Library and Information Science Department, Panjab University, Chandigarh, PIN:

160014 ⊠ *rupak@pu.ac.in* 

# Bibliographic Data in BIBFRAME Model: A Way to Make Library Catalogue Understandable to Search Engines

#### Pritam Kumar Paul<sup>a</sup> and Sudip Ranjan Hatua<sup>b</sup>

#### Abstract

**Purpose:** Search engines work hard to understand the context of the information. More use of linked data in a webpage can lead to reduce irrelevant information from the search result. Similarly, to make library data more understandable to the search engine, the use of linked open data in the library catalogue is needed. BIBFRAME is the vocabulary that is built specifically for this purpose. The present study aims to study the use of BIBFRAME vocabulary for bibliographic description.

**Methodology:** A physical copy of a monograph is taken to record minimum bibliographic data elements following the RDA descriptive cataloguing standard. These data elements are then mapped with BIBFRAME vocabulary and aligned under three high level classes i.e work, instance and item.

**Findings:** This paper gives an idea of appropriate BIBFRAME properties and classes which are essential to describe RDA elements. The study found many properties like responsibilityStatement, editionStatement where the expected value is mentioned as literal value. But in many cases, the expected value of a property is a class like subject, carrier, etc. There is the provision of further relation if required. Other vocabulary can be used to link the RDA data element with the particular BIBFRAME property.

**Originality:** This paper will help the library professional to understand BIBFRAME and its use to describe monographs. Further research can be taken by the researcher to describe other types of library materials.

Keywords: BIBFRAME; RDA; Linked data; MARC; Semantic web; Work; Instance; Item

#### Reference

- 1. UNDERSTAND HOW structured data works. https://developers.google.com/search/docs/adva nced/structured-data/intro-structured-data. (Retrieved on May 21, 2022).
- 2. XU (A), HESS (K) and AKERMAN (L). From MARC to BIBFRAME 2.0: crosswalks. *Cataloging & Classification Quarterly*. 56, 2/3; 2018. p224–50. https://doi.org/10.1080/01639374.2017.1388326. (Retrieved on Sept 30, 2021)
- 3. WINTERMUTE (H E). The joy of cataloging community cookbooks. *Cataloging & Classification Quarterly*. 55, 4; 2017. p197–228. https://doi.org/10.1080/01639374.2017.129146 1. (Retrieved on Sept 30, 2021)
- 4. BALSTER (K). BIBFRAMEing for Non-BIBFRAMErs: an introduction to current and future cataloging practices. *The Serials Librarian*. 74, 1–4; 2018. p151–55. https://doi.org/10.1080/0361526X.2018.142847 4. (Retrieved on Sept 30, 2021)

Submitted on September 27, 2022

Last revised on July 17, 2023

Accepted on August 17, 2023

PAUL (Pritam Kumar) and HATUA (Sudip Ranjan). Bibliographic data in BIBFRAME model: a way to make library catalogue understandable to search engines. *IASLIC Bulletin*. 68, 3; 2023, Sept, p176-87.

- 5. EL-SHERBINI (M). RDA implementation and the emergence of BIBFRAME. *Italian Journal of Library, Archives & Information Science*. 9, 1; 2018, p66–82. https://doi.org/10.4403/jlis.it-12443. (*Retrieved on Sept 30*, 2021)
- STEELE (T D). What comes next: understanding BIBFRAME. *Library Hi Tech.* 37, 3; 2019, p513–24. https://doi.org/10.1108/LHT-06-2018-0085. (Retrieved on Sept 30, 2021)
- 7. TANIGUCHI (S). Examining BIBFRAME 2.0 from the viewpoint of RDA metadata schema. *Cataloging & Classification Quarterly*. 55, 6; 2017, p387–412. https://doi.org/10.1080/01639374.2017.1322161. (Retrieved on Sept 30, 2021)
- 8. PARK (JR), BRENZA (A) and RICHARDS (L). BIBFRAME linked data: a conceptual study on the prevailing content standards and data model. *Linked Open Data Applications, Trends and Future Developments*. 2020. IntechOpen; London. https://doi.org/10.5772/intechopen.91849. (Retrieved on Sept 30, 2021)
- 9. GEERAERT (F). From the library catalogue to the semantic web the conversion process from MARC 21 to BIBFRAME 2.0. 2018. https://doi.org/10.6084/m9.figshare.6731129.v1. (Retrieved on Sept 30, 2021)
- 10. TANIGUCHI (S). Mapping and merging of IFLA library reference model and BIBFRAME 2.0. *Cataloging & Classification Quarterly*. 56, 5/6; 2018, p427–54. https://doi.org/10.1080/01639374.2018.1501457. (Retrieved on Sept 30, 2021)
- 11. PARK (JR), RICHARDS (L L) and BRENZA (A), Benefits and challenges of BIBFRAME: cataloging special format materials, implementation, and continuing educational resources. *Library Hi Tech.* 37, 3; 2019, p549–65. https://doi.org/10.1108/LHT-08-2017-0176. (Retrieved on Sept 30, 2021)
- 12. BALSTER (K), RENDALL (R) and SHRADER (T). Linked serial data: mapping the standard record to BIBFRAME. *Cataloging & Classification Quarterly.* 56, 2/3; 2018,

- p251-61. https://doi.org/10.1080/01639374.2017.1364316. (Retrieved on Sept 30, 2021)
- 13. BILLEY (A), RENDALLET (R) and WESLEY (K). Foundations in linked data for serialists. *Serials Librarian*. 76, 1–4; 2019. p16–29. https://doi.org/10.1080/0361526X.2019.159874 8. (Retrieved on Sept 30, 2021)
- 14. O'KEEFE (E), WACKER (M) and L'ECUYER-COELHO (MC). The outcome of the ArtFrame project: a domain-specific BIBFRAME exploration. *Art Documentation: Bulletin of the Art Libraries Society of North America*. 38. 1; 2019, p1–21. https://doi.org/10.1086/703508. (Retrieved on Sept 30, 2021)
- 15. ZAPOUNIDOU (S), SFAKAKIS (M) and PAPATHEODOROU (C). Mapping derivative relationships from RDA to BIBFRAME 2. *Cataloging & Classification Quarterly*. 57, 5; 2019, p278–308. https://doi.org/10.1080/01639374.2019.1650152. (Retrieved on Sept 30, 2021)
- 16. ZAPOUNIDOU (S), SFAKAKIS (M) and PAPATHEODOROU (C). Representing and integrating bibliographic information into the semantic web: a comparison of four conceptual models. *Journal of Information Science*. 43, 4; 2017, p525–53. https://doi.org/10.1177/0165551516650410. (Retrieved on Sept 30, 2021)
- 17. TENNANT (R). MARC must die. *Library Journal*. 2010, May. https://www.libraryjournal.com?detailStory=marc-must-die. (*Retrieved on Aug 29, 2020*).
- 18. OVERVIEW OF the BIBFRAME 2.0 model (BIBFRAME Bibliographic Framework Initiative, Library of Congress). https://www.loc.gov/bibframe/docs/bibframe2model.html. (Retrieved on Sept 30, 2021).

Paul and Hatua

Pritam Kumar Paul is a Librarian at K K Das



College, Kolkata. He has vast experience of working in the college library. His area of interest is application of ICT in libraries. He is a recipient of gold medal in Masters in Library and Information Science from the Rabindra

Bharati University. He has qualified UGC NET and SET in Library and Information Science. *Affiliation*: Librarian, K. K. Das College, GRH-17, Baishnabghata-Patuli Township, Kolkata-700084, West Bengal, India, \$8967273680, \times pkpaul04@gmail.com

Dr Sudip Ranjan Hatua is an Associate Professor of



the Department of Library and Information Science, Rabindra Bharati University. He has wide range of experience in Library Automation and Networking, Digital Library, Information Retrieval System,

Database Design & Web based Searching System, Open Source Software, Web Design and Web based Information Retrieval System. He has 100 papers in different international, national journals and seminar/webinar/conference volumes. *Affiliation*: Associate Professor, Rabindra Bharati University, 56A, B. T. Road, Kolkata-700050, West Bengal, India, 9830181642, Sc. s.r.hatua@rbu.ac.in

# Library @ Users' Doorstep: Some Practical Experiences Joydeep Chanda<sup>a</sup>

#### Abstract

**Purpose:** Today, library users have not enough time accessing library physically. Moreover, information needs are mostly fulfilled by surfing different websites, databases, etc. Now to bring back the users under the umbrella of library, a library should redesign its services and adopt such system so that it can reach at the doorstep of individual users. This study is to explore the ways and to share the experiences.

Methodology: Different methods like creation of library's own website and announcing different events through it; providing access of varied range of online journals, e-books and databases; maintaining Web-OPAC for the benefit of users; uploading e-contents of class notes, lectures (for academic library); organizing seminars, workshops, webinars, different programmes, etc.; uploading syllabus and question papers; uploading full text e-resources for the benefit of teaching and learning community; creating and maintaining YouTube channel; creating and maintaining Facebook page as well as WhatsApp/Telegram group are used to experiment and to record the output.

*Findings:* With the implementation of the above mentioned methods, users are being involved with the library system and they are actively participating different programmes organised by the library.

*Value:* Outcome of this experiment is to overcome the library apathy by presenting a library. Through it, a library culture can be developed among users.

**Keywords:** Library ambience; Traditional library service; Library extension service; Library facility beyond campus

#### References

- 1. KNOW YOUR Library. 2022. Gurudas College; Kolkata. p1-14.
- 2. https://library.gurudascollege.in/. (*Retrieved on Dec 27, 2022*)
- 3. https://moocs.gurudascollege.in/. (*Retrieved on Dec 27, 2022*)
- 4. https://wiki.gurudascollege.in/. (Retrieved on Dec 27, 2022)

Dr Joydeep Chanda is working as the Librarian in



Gurudas College, Kolkata. Previously he was working in Jadavpur University, Kolkata as Assistant Librarian Grade-I. He obtained his MLIS and PhD degree from the Jadavpur University. He participated and presented many papers

in national and international conferences and served as a resource person in several seminars and webinars. *Affiliation:* Librarian, Gurudas College, Kolkata. ⊠ joydeep.gdc@gmail.com

**d** 9432298746 (WhatsApp) / 9804793806

Submitted on June 09, 2023

Last revised on August 03, 2023

Accepted on August 12, 2023

CHANDA (Joydeep). Library at Your Doorstep: Some Practical Experiences. *IASLIC Bulletin*. 68, 3; Sept, 2023, p188-91.

#### The IASLIC Bulletin (Estd. 1956; ISSN 0018 - 8441; CODEN IASLIA 9; RNI No. 5034/59)

is a double-blind peer-reviewed quarterly journal of the **Indian Association of Special Libraries and Information Centres (IASLIC)** and is devoted to the advancement and dissemination of the fundamental and applied knowledge of library and information science in an accessible form to professional colleagues who have common interests in the field in this country and abroad. The journal is issued quarterly; A new volume begins with the March number each year.

#### Honorary Editor: Prof Pijushkanti Panigrahi

Annual Subscription: Free Distribution for Members.

#### **Information for Authors**

- Manuscripts must be prepared fully inconformity with IASLIC's Bulletin's 'Publication Policy and Authorship Manual including IASLIC Standard and Specification' published in the March issue each year and is also available in www.iaslic1955.org.in
- 2. An Advisory Board guides the Editorial Board and the Editor maintaining the Publication Ethics for promoting integrity in research. An Editorial Board, consisting of eminent library professionals, functions independently to assist the editor in bringing out the Journal (i.e. IASLIC Bulletin) timely maintaining ethical issues for integrity in research and its publication.
- 3. The Journal accepts full-scale research papers, book reviews, reproduction of special lectures, letters to the editor, short communications etc. after proper reviews and are published according to their merit and space at disposal.
- 4. Manuscripts are accepted with the understanding that they have not been published and are not being considered for publishing elsewhere. If a paper had been prepared for presentation in a meeting or as a project work or as a survey under an organisation, due acknowledgement has to be made and permission from appropriate authorities must be obtained for publication and to be submitted along with the respective manuscript.
- 5. Author(s) must submit a duly signed declaration regarding the originality of the paper and sign the copyright transfer permitting to publish, to circulate, to reproduce to archive the paper also to defend it against its improper use.
- 6. On satisfactory physical verification when it is sought for, **two copies** of article, **within 5000 words** (in .doc/.docx format), typed double-spaced on one side of A4 size paper (within 12 pages) wide margins (at least 3 cm.) should be submitted mentioning postal address in detail (including PIN Code, e-mail and phone no.) of author(s), keywords and an informative abstract (Purpose, Methodology, Findings, Originality) preferably not exceeding 350 words. Illustrations should not be in colour.
- 7. References to literature should be numbered consecutively and arranged according to their appearance (in the text) under the surname of the authors. Accuracy and completeness of literature citations should be ensured.
- 8. Each article must be accompanied with plagiarism test report within the justified limit (less than 10%) of similarity index
- 9. Manuscripts are accepted after double-blind peer reviewed process.
- 10. Respective issue of IASLIC Bulletin is supplied free of cost to the first author of the published paper.
- 11. Author's final version of the article can be used for self archiving, for internal institutional use and for scholarly sharing purposes with proper acknowledgement, attribution and credit for the published work.
- 12. Final version of any paper published in IASLIC Bulletin may be archieved in any digital repository by its author(s) after two years of its publication.
- 13. Books, monographs, and other publications are reviewed according to their merit and space at disposal. Reviewers are requested to follow the 'Guidelines to the Reviewers'.
- 14. The Editorial Board will not be held responsible for the opinion expressed by the author(s).

#### IASLIC Bulletin is abstracted / indexed in:

Indian Citation Index (ICI), Indian Science Abstracts (ISA); Indian Library Science Abstracts (ILSA); Guide to Indian Periodical Literature; Library and Information Science Abstracts (LISA); INSPEC.

#### Correspondences relating to the Paper submission and related issue should be addressed to:

For other issues relating to the Journal like non-receipt of the IASLIC Bulletin, if any, and for new membership etc mail to iaslic.india@gmail.com

#### **IASLIC Bulletin**

Registered with the Registrar of Newspapers of India No. 5034/59
And for Free Distribution among Members

#### SOME OF THE PUBLICATIONS of IASLIC **Conference / Seminar Proceedings** Library and Information Centres in Digital India: Present Scenario and Future Strategies. IASLIC 29th National Seminar 2022, NEHU Shillong. 490 Future of Library and Information (LI) Profession in India 490 IASLIC 32nd All India Conference 2019, CUSAT, Kochi LIS Education in India: Current Scenario and Future Strategies; IASLIC 28th National Seminar 2018, Viswa Bharati, West Bengal 490 Public Libraries in India in 21st Century; IASLIC 31st All India Conference 2017, Varanasi, Uttarpradesh 490 Social Networking and Libraries; IASLIC 27th National Seminar 2016, Raipur, Chhattisgarh 490 Library Legislation and Community Information Services; IASLIC 30th All India Conference 2015, Ahmedabad 490 Roadmap to Usher in Knowledge Society; 490 IASLIC 26th National Seminar 2014, Guwahati, Assam Role of Library Associations in India; IASLIC 29th All India Conference 2013, Pune, Maharastra 490 Intellectual Property Rights: Problems & Prospects with Special Reference to Library & Information Services, IASLIC 25th National Seminar 2012, Puducherry 490 10. Library Vision 2020; IASLIC 28th All India Conference, 2011, Srinagar 490 Reading Habits in Changing Scenario & LIS Education : Emerging Paradigm, Challenges and Vision; IASLIC 24th National Seminar 2010, Gorakhpur 490 Library / Information users in Digital Era; IASLIC XXVII All India Conference 2009, Bhubaneswar 800 13. Library / Profession in Search of a new Paradigm; IASLIC XXIII National Seminar 2008, Kolkata 1200 Digital Media and Library Information Services; IASLIC XXVI All India Conference 2007, New Delhi 1200 Open Source Movement-Asian Perspective; IASLIC XXII National Seminar 2006, Roorkee 1000 LIS Profession in India: Vision for 2010; IASLIC 25th All India Conference 2005, Chennai 1000 Information Support for Rural Development; IASLIC 21st National Seminar 2004, Kolkata 1000 Knowledge Management in Special Libraries in Digital Environment; IASLIC 24th All India Conference 2003, Dehradun 800 **BOOKS** Indian Library Science Abstracts (ILSA), 2011-2015, Edited by Dr. Nitai Ray Choudhury ₹ 2500 Sixty One Years of 'IASLIC Bulletin': A cumulative Index. Edited by Prof Arjun Das Gupta 280 3. Dynamics of Planning & Marketing of Modern Libraries and Information Centres in an Information Technology-based Environment by S Seetharama Indian National Library : Yesterday-Today-Tomorrow by J N Satpathi and P N Venkatachary 300 LIS Profession in the Changing Environment: Prof Prabir Roychowdhury Memorial Volume. Edited by Prof. Arjun Dasgupta ₹ 400

For your copy place order to: The General Secretary, Indian Association of Special Libraries and Information Centres (IASLIC), P291, C. I. T. Scheme No. 6M, Kankurgachi, Kolkata-700054, West Bengal.

Demand Draft / Multicity Cheque is to be made in favour of IASLIC payable at Kolkata.

Published by the General Secretary on behalf of IASLIC and printed by Sri Jaysundar Gupta at Moodran Graphica, 41 Gokul Boral Street, Kolkata 12 on behalf of IASLIC and published at IASLIC, P-291, CIT Scheme No. 6M, Kankurgachi, Kolkata 700054, West Bengal, India.

Editor: Prof Pijushkanti Panigrahi