

IASLIC

ISSN 0018-8441

Bulletin

**A Peer-reviewed
Quarterly Journal**

Vol. 68 No. 1 March 2023

**CODEN IASLA 9
ISSN 0018-8441**

- **Legal Information Resources**
- **Information Search Behaviour of Under Graduate Students**
- **Ishwar Chandra Vidyasagar's Perceptions and Views on Libraries**
- **Non-alphanumeric Characters in LIS Research Papers**
- **Artificial Intelligence in Smart Library**
- **Authorship Manual including IASLIC Standard and Specification**



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

A R D 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

IASLIC Bulletin

A Peer-Reviewed Quarterly Journal
of Indian Association of Special Libraries and Information Centres

CODEN IASLA 9 ♦ ISSN 0018-8441

VOL. 68 NO. 1; 2023 MARCH

CONTENTS

Collection of Legal Information Resources : A Case Study of Judges' Library of the Delhi High Court Mohd Muzzammil	03
Measuring Information Search Behaviour of Undergraduate Students of University of Delhi Deepti Khatri	15
Ishwar Chandra Vidyasagar's Perceptions and Views as Revealed through his Library Collection Bhakti Pada Jana	29
Using Non-Alphanumeric Characters in LIS Research Papers: A Study Prabin Karkee	38
Artificial Intelligence in Smart Library: Developing a Machine Learning Prediction Model Dersin Daimari, Subhash Mondal, Bihung Brahma and Amitava Nag	47
Publication Policy and Authorship Manual including IASLIC Standard and Specification Editor, IASLIC Bulletin	55

© IASLIC

No part of this publication may be reproduced in any material form including photocopying or storing it in any medium by electronic means and whether or not transiently or incidentally to some other use of this publication without the written permission of the copyright owner except in accordance with the provisions of the Copyright Act. Author's final version can be used for self-archiving with acknowledgement, attribution and credit for its published work in this journal.

IASLIC BULLETIN EDITORIAL BOARD 2023

Honorary Editor

Pijushkanti Panigrahi

(ORCID:0000-0002-5340-7512)

Professor, University of Calcutta,
Kolkata

Associate Editor

Durga Sankar Rath

Professor,
Vidyasagar University, Medinipur

Assistant Editors

Banasree Roy

Librarian, Charuchandra College, Kolkata

Moumita Ash

Librarian, Vidyasagar Women's College, Kolkata

Members

Abdul Majid Baba

Librarian, Central University of Kashmir,
Srinagar

Aditya Tripathy

Professor, DLISc, Banaras Hindu University,
Varanasi

Arun Kumar Chakraborty

Professor, NSOU, Kolkata

G Mahesh

Principal Scientist, NISCAIR, CSIR,
New Delhi

H P S Kalra

Professor, DLISc, Panjabi University, Patiala

Nirmal Kumar Swain

Professor, DLISc, M D University, Rohtak

Nitai Raychoudhury

Librarian, City College, Kolkata

Pravakar Rath

Professor, DLISc, Mizoram University, Aizwal

Ramesh Chandra Gaur

Director (Library and Information), IGNC,
New Delhi

Sanjay Kumar Singh

Professor, DLISc, Gauhati University, Guwahati

Suparna Sengupta

University Librarian, Pt Ravi Shankar Shukla
University, Raipur

Uma Kanjilal

Professor & Pro Vice-Chancellor,
Indira Gandhi National Open University, New Delhi

Editorial Working Group

Biswaranjan Manna

Librarian (WBES), S.B.S. Govt
College, Hili, Dakshin Dinajpur

Sanjukta Roy

Librarian, Dinabandhu
Mahavidyalaya, Bongaon

Satyabrata Sahoo

Librarian, Yogoda Satsanga,
Palpara Mahavidyalaya

Editorial Assistants

Paramita Mullick

University of Calcutta,
Kolkata

Saheli Dutta

Heramba Chandra College
Kolkata

Sk Nausad Kabir

Asst University Librarian,
University of Calcutta, Kolkata

IASLIC Bulletin Editorial Office

IASLIC Bulletin, IASLIC, P-291, CIT Scheme No. 6M, Kankurgachi, Kolkata – 700 054,
West Bengal, INDIA

email : iaslic.journal@gmail.com Tel : +91 94342 43522

Collection of Legal Information Resources : A Case Study of Judges' Library of the Delhi High Court

Mohd Muzzammil

Abstract

Purpose : The primary purpose is to identify the status of the collection of legal information resources, to understand collection development, collection management, and development rate of documents in the Judges' Library, Delhi High Court.

Methodology : A questionnaire-based survey approach has been employed in the present study. Collected data is represented in the form of tables and graphs. Primary data was collected through a structured questionnaire method.

Findings : Among the print documents, books are the highest in numbers, while the e-reports of the commissions / committees are the highest among the electronic documents. The overall growth rate of the documents is 1.05% for the four years. The highest budget expenditure is on the subscription of journals in each financial year.

Originality : The collection of legal information is one of the essential resources in Judges' libraries. This study investigates the status of legal information resources collection in the Library of Delhi High Court. The results of this study can be helpful for the policy-makers and librarians of court and law libraries.

Keywords : Court library; Law library; Collection development policy; Collection management; Information resource; Acquisition; Print resource; Electronic resource.

References

1. SMITH (LC). Reference services. In: MARCIA (J B) and D MARY (N), Ed. *Encyclopaedia of library and information science*. V6. 2010. 3rd ed. CRC Press; Boca Raton, p4485-91.
2. BUCKLAND (M K). The roles of collections and the scope of collection development. *Journal of Documentation*. 45,3; 1989, p213-6. <http://dx.doi.org/10.1108/eb026844> (Retrieved on January 02, 2019).
3. EVANS (G E) and SAPONARO (M Z). Developing library and information centre collections. *The Journal of Academic Librarianship*. 1,33; 2007, p151-2.
4. STATE OF Mississippi Judiciary. State law library. https://courts.ms.gov/state_library/statelibrary.html (Retrieved on April 10, 2021).
5. AXTMAN (M M). The best of times, the worst of times: collection development in the 21st century. *AllSpectrum*. 6,3; 2001, p6-7. <https://www.aallnet.org/wp-content/uploads/2017/11/pubsp0111.pdf> (Retrieved on January 02, 2020).
6. FLICK (E). Web watch. *Library Journal*. 22,10; 1997, p31-2.
7. HALL (L H). Overview of access to justice via public law libraries in New York state. *Law Library Journal*. 114, 2; 2022, p189-208. <https://www.aallnet.org/wp-content/uploads/>

Received on April 27, 2022

Last Revised on December 31, 2022

Accepted on February 21, 2023

MUZZAMMIL (M). Collection of legal information resources: a case study of judges' library of the Delhi High Court. *IASLIC Bulletin*. 68,1; 2023, Mar, p3-14.

- 2022/10/LLJ_114n2_full-issue_WEB.pdf (Retrieved on October 20, 2022).
8. LASKOWSKI (M S), ABBOTT (J A M) and NORMAN (M A). A collection explosion: finding our collection roots and examining how we got from there to here. *Collection Building*. 34, 4; 2015, p136-43. <http://dx.doi.org/10.1108/CB-07-2015-0013>. (Retrieved on October 26, 2022).
 9. BURCHFIELD (J W). Tomorrow's law libraries: academic law librarians forging the way to the future in the new world of legal education. *Law Library Journal*. 113,1; 2021, p5-30.
 10. BERRING (R). A brief history of law librarianship. In : BALLESTE (R), LUNALAMAS (S) and SMITH-BUTLER (L), Eds. *Law librarianship in the twenty-first century*. 2014. 2nd ed. Scarecrow Press Inc; Lanham, p1-15.
 11. CASSELL (K A). Interviews with collection development managers. *Collection Building*. 34, 4; 2015, p134-5. <http://dx.doi.org/10.1108/CB-08-2015-0016> (Retrieved on October 21, 2022).
 12. MUZZAMMIL (M). Collection development of legal information resources in the supreme court of India. *Legal Information Management*. 20,2; 2020, p108-17. <https://doi.org/10.1017/S1472669620000262>. (Retrieved on February 20, 2021)
 13. LEHMAN (K A). Collection development and management: an overview of the literature, 2011-2012. *University Libraries Faculty Publication and Presentation*. (14); 2014, p2-21. <http://scholarworks.uark.edu/libpub/14> (Retrieved on January 02, 2022).
 14. KAUR (M) and WALIA (P K). Collection development of electronic resources in management libraries of India. *Collection Building*. 35, 3; 2016, p73-83. <http://dx.doi.org/10.1108/CB-04-2016-0007>. (Retrieved on November 01, 2022).
 15. MUSHTAQ (M) and TAUSIF (A). Collection management of electronic resources in engineering college libraries of Aligarh, India: a study. *Collection and Curation*. 39, 3; 2020, p89-96. <https://doi.org/10.1108/CC-09-2019-0028>. (Retrieved on November 10, 2022).
 16. LITTLE (G). Collection development in library and information science at ARL libraries. *Collection Building*. 30, 3; 2011, p135-9. <https://doi.org/10.1108/01604951111146983> (Retrieved on November 02, 2022).
 17. DINGLEDY (F W), KEELE (B J), and SEKULA (J). Collection development, acquisitions, and licensing. *Library Staff Publication*. (106); 2014, p33-164. <https://scholarship.law.wm.edu/libpubs/106> (Retrieved on January 02, 2022).
 18. JANOSKI-HAEHLEN (E M). The courts are all a twitter: the implications of social media use in the courts. *Valparaiso University Law Review*. 46,1; 2011, p43-68. <https://scholar.valpo.edu/vulr/vol46/iss1/2> (Retrieved on May 12, 2019).
 19. FIND EASY. Court in Delhi: Delhi district courts general information. (Nov 17, 2020). <https://www.findeasy.in/courts-in-delhi/>. (Retrieved on November 07, 2022).
 20. DELHI HIGH Court Judges' Library. <http://www.delhihighcourt.nic.in/library/>. (Retrieved on April 10, 2022).
 21. CASSELL (K A). Interviews with collection development managers. *Collection Building*. 34, 4; 2015, p134-5. <http://dx.doi.org/10.1108/CB-08-2015-0016> (Retrieved on October 21, 2022).
 22. ARANAS (P), BARKAN (S M), BINTLIFF (B), FOX (D K), HAZELTON (P A) and HOWLAND (J S). Nowhere to run: nowhere to hide: the reality of being a law library director in times of great opportunity and significant challenges. *Law Library Journal*. 107; 2015, p79-112. <https://www.aallnet.org/wp-content/uploads/2018/01/Vol-107-no-1-2015-3.pdf>. (Retrieved on April 10, 2020).
 23. LEITER (R A). Law librarians' roles in modern law libraries. In : *Academic law library director perspectives*, part iii: developing issue 2014. 2014. University of Lincoln Press; Nebraska,

- p319-26.
24. BHARDWAJ (R K) and MADHUSUDHAN (M). Development of online legal information system for Indian environment: a survey of librarians' perspective. *World Digital Libraries*. 8,2; 2015, p99-112. DOI:10.18329/09757597/2015/8202. (Retrieved on April 10, 2020).

Dr Mohd Muzzammil is a librarian in the Directorate of Education, GNCT, Delhi (GBSSS, Jafrabad Extension). He has done BLISc, MLISc and PhD from Aligarh Muslim University, Aligarh, India. He has five International Journal Articles, one National Journal Research Paper, one International Conference Article and one National Conference article. He has attended International Short Term Training Programme on "Information Technology for Information Management" organised by NISCAIR and SAARC Documentation Centre, New Delhi. He is also Treasurer in SIG-DL (ASIS&T). 📞 8279864393 ✉ muzzammilalig@gmail.com



Measuring Information Search Behaviour of Undergraduate Students of University of Delhi

Deepti Khatri

Abstract

Purpose : This paper is an attempt to explore information search behaviour of college students studying in select colleges of Delhi University.

Methodology : It used questionnaire as a tool to survey students at Kirori Mal College – North Campus, Ramanujan College – South Campus & Maharaja Agrasen College – East Delhi to get responses from students in the field of Sciences, Social Sciences and Humanities.

Findings : It revealed that majority students make use of search engines followed by book list recommended by their teachers, social networking sites, online book stores i.e. Amazon, Flipkart etc. to initiate their search for information. Keyword search followed by more than one keyword, searching for similar results and phrase search were the most frequently used search strategies amongst the students in search of e-resources. Lack of awareness is recognised as the prime cause for the less usage of boolean operators, truncation operators and proximity search.

Originality : Keeping in mind current changes in the curriculum, this study would interest to the librarians and information managers catering particularly to the information requirements of undergraduate students of different disciplines to enable them to subscribe resources judiciously to build wide range of collection and offer customised services accordingly.

Keywords : Undergraduate student; Information searching behaviour; College library; E-resource

References

1. AHMADI (N) and MOSTAFA (R). Investigation of students' internet information seeking behaviour. *Journal of Applied Environmental Biological Sciences*. 6,4; 2016, p88-92
2. ISMAIL (L). What net generation students really want: determining library help? seeking preferences of undergraduates. *Reference Services Review*. 38, 1; 2010, p10-27. <https://doi.org/10.1108/00907321011020699>.
3. TENOPIR (C), HITCHCOCK (B) and PILLOW (S A). *Use and users of electronic library resources: an overview and analysis of recent research studies*. 2003. Council on Library and Information Resources; Washington, D.C. 2003.
4. MAJID (S) and KASSIM (G M). Information-seeking behaviour of international Islamic university Malaysia law faculty members. *Malaysian Journal of Library and Information Science*. 5, 2; 2000, p1-17.
5. TAHIR (M), MAHMOOD (K) and SHAFIQUE (F). How humanists use libraries: A survey of arts and humanities faculty at University of the Punjab, Lahore, Pakistan. *Library Review*. 58, 8; 2009, p581-92. <https://doi.org/10.1108/00242530910987073>
6. KHATRI (D). Conventional to digital information seeking behaviour. In : AHMED (Z), BARMAN (N) and DEVI (A), *Ed. Technology and transitions in libraries*. 2022. Purbayon Publications; Guwahati, p83-99.

Received on May 16, 2022

Last Revised on December 16, 2022

Accepted on February 21, 2023

KHATRI (Deepti). Measuring information search behaviour of undergraduate students of University of Delhi. *IASLIC Bulletin*. 68,1; 2023, Mar, p 15-28.

7. XIE (I). Information searching and search models. *In* : BATES (M J) and MAACK (M N), Eds. *Encyclopaedia of library and information sciences*. 2009, December 17. CRC Press. <https://doi.org/10.1081/E-ELIS3>
8. WILSON (T D). Models in information behaviour research. *Journal of Documentation*. 55, 3; 1999, p249-70. <https://doi.org/10.1108/EUM0000000007145>
9. SARACEVIC (T). Information science. *In*: BATES (M J) and MAACK (M N), Eds. *Encyclopaedia of library and information sciences*. 2009. 3rd ed. CRC Press.
10. STEWART (K N) and BASIC (J). Information encountering and management in information literacy instruction of undergraduate, students. *International Journal of Information Management*. 34, 2; 2014, p74-9. <https://doi.org/10.1016/j.ijinfomgt.2013.10.007>
11. CHOWDHURY (S), GIBB (F) and LANDONI (M). Uncertainty in information seeking and retrieval: a study in an academic environment. *Information Processing & Management*, 47, 2; 2011, p157-75. <https://doi.org/10.1016/j.ipm.2010.09.006>
12. SINHA (M K). A study on information needs and information seeking pattern of public library users of Barak valley, South Assam. 2015.
13. FEREDÉ (S). Information Seeking Behavior of Information Science Students, Faculty of Engineering and Technology in Assosa University. *European Academic Research*. 4, 4; 2016.
14. EKE (F M), FUTO (F C H-O) and FUTO(AA E). Information needs and seeking behavior of final year students of Federal University of Technology, Owerri. *Library Philosophy and Practice* (e-Journal). 18; 2019.
15. KURUPPU (P U) and GRUBER (A M). Understanding the information needs of academic scholars in agricultural and biological sciences. *The Journal of Academic Librarianship*. 32, 6; 2006, p609-23. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0099133306001510>
16. BRINDESI (H), MONOPOLI (M) and KAPIDAKIS (S). Information seeking and searching habits of Greek physicists and astronomers: a case study of undergraduate students. *Procedia - Social and Behavioral Sciences*. 73; 2013, p785-93. <https://doi.org/10.1016/j.sbspro.2013.02.119>
17. SULTANA (A). Information seeking behavior of academics of Maulana Azad National Urdu University in the digital environment. *In*: TAMIZHCHELVAN (D), Ed, *Transition in Librarianship*. 2016. Dominant Publishers & Distributors; New Delhi.
18. KREJCIE (R V) and MORGAN (D W). Determining sample size for research activities. *Educational and Psychological Measurement*. 30, 3; 1970, p607-10.
19. BISWAS (S C) and SINHA (M K). Information needs and information seeking behaviour of college library users: a pilot study conducted in Radhamadhab College, Silchar, Assam. *Journal of Engineering Computers & Applied Sciences (JECAS)*. 5, 8; 2016, p58-66.
20. HAMADE (S N) and YOUSEF (S). The use of information resources by LIS graduate students in Kuwait. *Library Review*. 59, 5; 2010, p360-9. <https://doi.org/10.1108/00242531011047055>

Deepti Khatri is working as a Librarian in Shaheed



Sukhdev College of Business Studies, University of Delhi since October 2011. Before joining SSCBS, she worked with the American Library, Embassy of the United States of America, New Delhi as Reference Librarian (Special Services) from June 2008 to October, 2011. She attended various workshops, seminars and conferences organised at national and international level. She holds PhD, M.Phil. & Master degree in Library and Information Science from Department of Library and Information Science, University of Delhi, Delhi. Prior to graduation, she earned a Bachelor's degree in Economics and Psychology from Isabella Thoburn College, Lucknow. ✉ deeptikhari2005@gmail.com

☎ +91-9873037790

Ishwar Chandra Vidyasagar's Perceptions and Views as Revealed through his Library Collection

Bhakti Pada Jana

Abstract

Purpose : The present study is to analyse Vidyasagar's perceptions of libraries that can be well gauged from his library collection and preservation of books.

Methodology : The study has progressed classifying library collection primarily in four segments, namely, Bengali, Sanskrit, Hindi, and English. Bengali collection has been subdivided into Bengali language, literature, translated works, philosophy, biography, history and geography, religion, social customs and rituals, education, science, ethical texts and tales, politics etc. Similarly, the Sanskrit collection has been subdivided into mythology, Sanskrit literature, language, philosophy, history, and the like.

Findings : The collection of Bengali translated, literary and linguistic works signified the social value of translation and Vidyasagar's attempt to regularise syntactical and semantical rhythm in Bengali prose writing in its formation age. Sanskrit collection and collection of educational, religious, sociological, historical, and like presaged his perceptions. His English collection comprised of the history of India and abroad. Works of stalwart English literature adorned his library collection. His literary collection justified that, he was the right person to enjoy the literary flavour of both oriental and western literature. Neo-English literate Bengalese attraction to literature was also reflected in his literary collection.

Originality : Social perspectives of contemporaneous Bengal reflected in the library collection and the library had been rendered as a social institution of the nineteenth century. Vidyasagar's perceptions had been followed in planning on different issues in modern India.

Keywords : Vidyasagar's library; Bengali collection; Sanskrit collection; English collection; Social institution.

References

1. BIDYARATNA (S). *Vidyasagar jibancharit*. 1891. Ishan Chandra Bandopadhyay; Calcutta, p224-5.
2. BASU (S). *Vidyasagar smriti. Prabasi*. 1343BS, Shraban (Bengali Month), p548.
3. BANDOPADHYAY (C). *Vidyasagar*. 1982. 6th ed. Dey Book Store; Kolkata, p189-90.
4. Report. *Amritbazar Patrika*. 1868. 26th March.
5. BANDOPADHYAY (B N). *Parishad parichay*. 1939. Bangiya Sahitya Parishad; Calcutta, p136.
6. TAGORE (R). *Lecture on occasion of the inauguration of the door of Vidyasagar Smriti Mandir*. 1346 BS Paus (Bengali Month).

Received on December 17, 2021

Last Revised on December 21, 2022

Accepted on January 25, 2023

JANA (Bhakti Pada). Ishwar Chandra Vidyasagar's perceptions and views as revealed through his library collection. *IASLIC Bulletin*. 68, 1; 2023, Mar, p29-37.

- Midnapur.
7. BANDOPADHYAY (A K). *Bangla sahitye Vidyasagar*. 1997. Dey's Publishing; Calcutta, p12.
 8. BANDOPADHYAY (C). *Vidyasagar*. 1982. 6th ed. Dey Book Store; Kolkata, p520.
 9. CHARAVORTY (S). Bangali jibane jukti, dharmo o bijyan: unish shataker rojnamcha: pravab o parinati. In: ROY (A) and NEOGI (G). *Ed. Unish Shataker Bangla*. 2018. Parul Prakashani; Kolkata, p271-5.
 10. BAGAL (J C). *Banglar nabya sanskriti*. 1958. Biswabharati; Calcutta, p4-7.
 11. GHOSH (B). *Vidyasagar o bangali samaj*. 1959. Orient Blackswan; Calcutta, p105.
 12. MEHORETRA (S R), *Ed. In the emergence of the Indian National Congress*. 2004. Rupa; New Delhi, p152.
 13. SHASTRY (S N). *Atmcharit*. 1328BS. 2nd ed. Prabashi Karyalaya; Calcutta, p217.
 14. VIDYASAGAR (I C). *Vidyasagar rachana sangraha*. 1972. Saksharata Prakashan; Calcutta, p5.
 15. BANDOPADHYAY (B), *Sambad patre sekaler katha*. 1339BS. 1853. Bangiya Sahitya Parishad, Calcutta.
 16. Report. *Indian Nation*. 1891, 28th September.
 17. WEB DESK (India Today). *Super 30 founder Anand Kumar stresses on the need to teach in mother tongue*. <https://www.indiatoday.in/education-today/news/story/super-30-founder-anand-kumar-emphasises-teaching-in-mother-tongue-hindi-1346929-2018-09-23>. (Oct 9, 2018). (Retrieved on December 14, 2021).
 18. MOHAN (Soumitra). *Revival of sanskrit*. <https://www.thestatesman.com/opinion/revival-of-sanskrit-1502856117.html>. (February 15, 2020). (Retrieved on Decemer 14, 2021).

Dr Bhakti Pada Jana is a State Aided College Teacher in History, Narajole Raj College under Vidyasagar University, Paschim Medinipur, West Bengal. He is also a guest faculty of P.G. evening course of Vidyasagar University, West Bengal. He has contributed nine papers in different peer-reviewed ISSN/ISBN based Journals and seminar volumes. His area of research is socio-cultural aspects of Colonial Bengal. 📞 +917797231540
✉ bhaktipadajana99@gmail.com



Using Non-Alphanumeric Characters in LIS Research Papers: A Study

Prabin Karkee

Abstract

Purpose: This paper is an attempt to study the occurrence of non-alphanumeric characters in the article titles published in a leading library science journal of India.

Methodology: Method of research adopted was quantitative. A total of 231 research papers were published during the period 2011 – 2021 in IASLIC Bulletin, an Indian LIS journals. The study covers the year-wise distribution of articles, categories of articles, and use of five commonly used non-alphanumeric characters like colon, comma, dash, question marks and parentheses.

Findings: The study shows that the highest number of research papers articles appeared in volume 61 in the year 2021, methods tops the category of contribution. The study also finds that 74.89% articles appeared in the journal with the non-alphanumeric character adopted by the authors and the colon is the mostly used non-alphanumeric character which is practiced by joint authors predominantly.

Originality: The study is original work intent to contribute to the less explored area of the use of non-alphanumeric characters in the titles of research papers in library and information science journal. It potentially creates a deep and significant impact on scholars and library users who explore the realm of non-alphanumeric characters in titles of research papers.

Keywords: Article; Colon; Comma; Dash; Question mark; Parenthesis; LIS journal.

References

1. SWALES (J). *Genre analysis: english in academic and research settings*. 1990. Cambridge University Press; Cambridge, UK.
2. SHAH (J N). Writing good effective title for journal article. *Journal of Patan Academy of Health Sciences*. 1, 2; 2014, p 1-3. <https://www.nepjol.info/index.php/JPAHS/article/view/16635> (Retrieved on October 16, 2022).
3. GOODMAN (R A), THACKER (S B) and SIEGEL (P Z). What's in a title? : a descriptive study of article titles in peer reviewed medical journals. *Science Editor*: 24, 3; 2001, p 75-8. <https://www.councilscienceeditors.org/wp-content/uploads/v24n3p075-078.pdf> (Retrieved on April 10, 2022).
4. SOLER (V). Comparative and contrastive observations on scientific titles written in english and spanish. *English for Specific Purposes*. 30, 2; 2011, p 124-37. <https://doi.org/10.1016/j.esp.2010.09.002> (Retrieved on May 12, 2022).
5. COOK (J) and PLOURDE (D). Do scholars follow Betteridge's law? : The use of questions in journal article titles. *Scientometrics*. 108, 3; 2016, p 1119-28. <https://goo.gl/VNu99t> (Retrieved on February 19, 2022).
6. MENDEZ (D I), ALCARAZ (M A) and SALAGER-MEYER (F). Titles in english-

Received on July 04, 2022

Last Revised on November 13, 2022

Accepted on February 25, 2023

KARKEE (Prabin). Using non-alphanumeric characters in LIS research papers : a study. *IASLIC Bulletin*. 68, 1; 2023, Mar, p38-46

- medium astrophysics research articles. *Scientometrics*. 98, 3; 2014, p 2331-51. <http://rua.ua.es/dspace/handle/10045/46404> (Retrieved on December 26, 2021).
7. WOHLRABE (K) and GNEWUCH (M). Title characteristics and citations in economics. University Library of Munich, Germany, MPRA paper no. 75351, 2016. <https://mpra.ub.uni-muenchen.de/75351/> (Retrieved on May 15, 2022).
 8. ALEIXANDRE-BENAVENT (R), MONTALT-RESURECCIO (V) and VALDERRAMA-ZURIAN (J C). A descriptive study of inaccuracy in article titles on bibliometrics published in biomedical journals. *Scientometrics*. 101; 2014, p781–91. [file:///D:/Downloads/2014-Adescriptivestudyofinaccuracy-Scientometrics%20\(1\).pdf](file:///D:/Downloads/2014-Adescriptivestudyofinaccuracy-Scientometrics%20(1).pdf) (Retrieved on November 11, 2022).
 9. GOODMAN (R A), THACKER (S B) and SIEGEL (P Z). What's in a title? : a descriptive study of article titles in peer reviewed medical journals". *Science Editor*. 24, 3; 2001, p 75-8. <https://www.councilscienceeditors.org/wp-content/uploads/v24n3p075-078.pdf> (Retrieved on April 10, 2022).
 10. HAGGAN (M). Research paper titles in literature, linguistics and science: dimensions of attraction. *Journal of Pragmatics*, 36, 2; 2004, p 293–317. <https://www.sciencedirect.com/science/article/abs/pii/S0378216603000900> (Retrieved on October 12, 2022).
 11. SINGH (S), SUVIRYA (S) and CHAUDHARY (R). Scientific and linguistic precision in titles of papers published as original articles in Indian Journal of Dermatology, Venereology and Leprology. *Indian Journal of Dermatology Venereology and Leprology*, 74; 2008, p 668–9. <https://pubmed.ncbi.nlm.nih.gov/19172007/> (Retrieved on October 17, 2022).
 12. SOLER (V). Writing titles in science: an exploratory study. *English for Specific Purposes*, 26; 2007, p 90–102. <https://www.marilia.unesp.br/Home/Instituicao/Docentes/RosangelaCaldas/soler-viviana.pdf> (Retrieved on November 2, 2022).
 13. HAGGAN (M). Research paper titles in literature, linguistics and science: dimensions of attraction. *Journal of Pragmatics*, 36, 2; 2004, p 293–317. <https://www.sciencedirect.com/science/article/abs/pii/S0378216603000900> (Retrieved on October 12, 2022).
 14. WANG (Y) and BAI (Y). A corpus-based syntactic study of medical research article titles. *System*, 35; 2007, p 388–99. <https://www.sciencedirect.com/science/article/abs/pii/S0346251X07000474> (Retrieved on November 3, 2022).
 15. BUTER (R) and VAN RAAN (A F). Non-alphanumeric characters in titles of scientific publications: an analysis of their occurrence and correlation with citation impact. *Journal of Informetrics*. 5, 4; 2011, p 608–17.
 16. DILLON (J T). In pursuit of the colon: a century of scholarly progress: 1880–1980. *The Journal of Higher Education*. 53, 1; 1982, p 93–9.
 17. LEWISON (G) and HARTLEY (J). What's in a title?: numbers of words and the presence of colons. *Scientometrics*. 63, 2; 2005, p 341–56. <https://akjournals.com/view/journals/11192/63/2/article-p341.xml> (Retrieved on May 17, 2022).
 18. BALL (R). Scholarly communication in transition: the use of question marks in the titles of scientific articles in medicine, life sciences and physics 1966–2005. *Scientometrics*. 79, 3; 2009, p. 667–79. <https://doi.org/10.1007/s11192-007-1984-5> (Retrieved on June 20, 2022).
 19. HARTLEY (J). There's more to the title than meets the eye: exploring the possibilities. *Journal of Technical Writing and Communication*. 37, 1; 2007, p 95-101. <https://doi.org/10.2190/BJ16-8385-7Q73-1162> (Retrieved on February 23, 2022).
 20. JAMALI (H R) and NIKZAD (M). Article title type and its relation with the number of downloads and citations. *Scientometrics*. 88, 2; 2011, p 653–61. http://eprints.rclis.org/19669/1/Jamali_title.pdf (Retrieved on February 22, 2022).

21. PAIVA (C E), LIMA (JPSN) and PAIVA (BSR). Articles with short titles describing the results are cited more often. *CLINICS*. 67, 5; 2012, p. 509
13. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3351256/> (Retrieved on April 11, 2022).

Dr Prabin Karkee is an Assistant Professor, Department of



Library and Information Science, University of Gour Banga, Malda. He is MA, MLib ISc, PhD, Gold Medallist in both MLib ISc and BLib ISc from Jadavpur University and University of North Bengal. He had served Siliguri College, Darjeeling as Librarian for five years and Sikkim University, Gangtok as Assistant Librarian for one year seven months prior to joining the present assignment. He has to his credit one book and more than 30 publications in national and international journals, conference proceedings and book chapters. His area of interest are knowledge organisation, public library system and services, community information, management of library and information centres, application of ICT in libraries, NLP etc. ✉ prabinkarkee10@gmail.com

Artificial Intelligence in Smart Library: Developing a Machine Learning Prediction Model

Dersin Daimari, Subhash Mondal, Bihung Brahma and Amitava Nag

Abstract

Purpose: Recent developments in artificial intelligence (AI) can transform the working practices of the modern library. However, modern libraries are one of the slowest institutions to adopt AI. This study explores how smart libraries might take advantage of machine learning (ML), a subfield of artificial intelligence (AI), to improve the quality of their services to the users.

Methodology: Three cutting-edge machine learning algorithms are presented in this study for the task of identifying and classifying favorite books based on the data of Art Garfunkel's Library.

Findings: The findings of this research work are drawn based on experiment results. The experiment results reveal that the proposed method obtained a test accuracy of 86.07% in identifying Favorite books.

Originality: This is an empirical research work that looks at AI adoption in libraries using a machine learning model. To the best of our knowledge, this research is the first AI-based application for the modern library to automatically identify and classify Favorite books.

Keywords: Artificial intelligence; Machine learning; Smart library; Favorite book; Support vector machine; K-nearest neighbors; Decision tree

References

1. HERVIEUX (Sandy) and WHEATLEY (Amanda). Perceptions of artificial intelligence: A survey of academic librarians in Canada and the United States. *The Journal of Academic Librarianship*. 47, 1; 2021, Jan, p102-270.
2. ALI (Muhammad Yousuf), NAEEM (Salaman Bin) and BHATTI (Rubina). Artificial intelligence tools and perspectives of university librarians: an overview. *Business Information Review*. 37, 3; 2020, Sept, p116-24.
3. ABAYOMI (Owolabi Kehinde), ADENEKAN (Fauziyah Nihinlolawa), ABAYOMI (Adeleke, Olateju), AJAYI (Taiwo Abosede) and ADERONKE (Adesina Olaitan). Awareness and perception of the artificial intelligence in the management of university libraries in Nigeria. *Journal of Interlibrary Loan, Document Delivery & Electronic Reserve*. 29,1-2; 2021, May, p13-28.
4. FOLORUNSO (Abubakar Lanre). Application of artificial intelligence and robotics in libraries: a review of literature. *Journal of Librarianship and Informatics*. 3,2; 2020, Dec, p93-8.
5. TSABEDZE (Vusi Wonderboy). *Innovative technologies for enhancing knowledge access in academic libraries*. 2022 IGI Global; 2022, p233-46.
6. DAIMARI (Dersin), NARZARY (Mwnthai), MAZUMDAR (Nabajyoti) and NAG (Amitava). A machine learning based book availability prediction model for library management

Received on October 19, 2022

Last Revised on February 20, 2023

Accepted on February 25, 2023

DAIMARI (Dersin), MONDAL (Subhas), BRAHMA (Bihung) and NAG (Amitava). Artificial intelligence in smart library : developing a machine learning prediction model. *IASLIC Bulletin*. 68, 1; 2023, Mar, p47-54.

System. *Library Philosophy & Practice*. 2021, Jan, p49-82.

7. GARFUNKEL'S FAVOURITE BOOK. (June 15, 2022). <https://www.kaggle.com/code/lostinworlds/eda-classification-garfunkel-s-favourite-book/data>. (Retrieved on September 15, 2022).

Dersin Daimari is currently working as Assistant Librarian in Central Library, Central Institute of Technology Kokrajhar, BTR, Assam. His research interests include ICT based Library and Information Science, AI and machine learning based Library Service.



✉ d.daimari@cit.ac.in

Subhash Mondal has obtained his MTech, BTech, and BSc (Mathematics) from the University of Calcutta. Presently he is an Assistant Professor in the Department of Computer Science and Engineering, Meghnad Saha Institute of Technology, Kolkata. He is a professional member of IEEE, ACM and is serving in the capacity of Faculty Sponsor for the ACM Student Chapter. His research interests concentrate primarily on Computer Vision, Bio-Informatics, Deep Learning Frameworks, and Machine Learning frameworks. ✉ Subhash@msit.edu.in



Dr Bihung Brahma is an Assistant professor in the Department of HSS at Central Institute of Technology Kokrajhar, Bodoland Territorial Region (BTR), Assam, India. He did his masters in linguistics from Gauhati University and his research areas are Language Documentation, Cultural Studies, Sociolinguistics etc.. He is actively involved



with language documentation projects of North East India especially in BTR. He is associated with North East Indian Linguistics Society (NEILS). He is also Secretary of Natives' Institute of Bodology (NIB). He is also a Project Consultant as Language Expert, Language Translator and Annotator for Bodo in a project for Artificial Intelligence initiated by IIT Madras. ✉ b.brahma@cit.ac.in

Amitava Nag is currently an Associate Professor in the Department of Computer Science and Engineering at Central Institute of Technology, Kokrajhar, BTR, Assam, India. He received PhD degree from University of Kalyani, Kalyani, India in 2015. He has more than a 50 research publications in various national and international journals and conference proceedings. He is Senior Member ACM, Senior Member IEEE, Fellow of IEL. His research interests include Wireless Networks, Internet of Things, Image Processing and Information Security.



✉ amitava.nag@cit.ac.in

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

1. Manuscripts must be prepared fully in conformity 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 with 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 archived 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 :

The Editor, IASLIC Bulletin, P 291, CIT Scheme No. 6M, Kankurgachi, Kolkata - 700 054, West Bengal, India

✉ iaslic.journal@gmail.com ☎ +91 9434243522

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

1. Future of Library and Information (LI) Profession in India IASLIC 32nd All India Conference 2019, CUSAT, Kochi	₹ 490
2. LIS Education in India : Current Scenario and Future Strategies; IASLIC 28th National Seminar 2018, Viswa Bharati, West Bengal	₹ 490
3. Public Libraries in India in 21st Century; IASLIC 31st All India Conference 2017, Varanasi, Uttarpradesh	₹ 490
4. Social Networking and Libraries; IASLIC 27th National Seminar 2016, Raipur, Chhattisgarh	₹ 490
5. Library Legislation and Community Information Services; IASLIC 30th All India Conference 2015, Ahmedabad	₹ 490
6. Roadmap to Usher in Knowledge Society; IASLIC 26th National Seminar 2014, Guwahati, Assam	₹ 490
7. Role of Library Associations in India; IASLIC 29th All India Conference 2013, Pune, Maharashtra	₹ 490
8. Intellectual Property Rights: Problems & Prospects with Special Reference to Library & Information Services, IASLIC 25th National Seminar 2012, Puducherry	₹ 490
9. Library Vision 2020; IASLIC 28th All India Conference, 2011, Srinagar	₹ 490
10. Reading Habits in Changing Scenario & LIS Education : Emerging Paradigm, Challenges and Vision; IASLIC 24th National Seminar 2010, Gorakhpur	₹ 490
11. Library / Information users in Digital Era; IASLIC XXVII All India Conference 2009, Bhubaneswar	₹ 800
12. Library / Profession in Search of a new Paradigm; IASLIC XXIII National Seminar 2008, Kolkata	₹ 1200
13. Digital Media and Library Information Services; IASLIC XXVI All India Conference 2007, New Delhi	₹ 1200
14. Open Source Movement-Asian Perspective; IASLIC XXII National Seminar 2006, Roorkee	₹ 1000
15. LIS Profession in India : Vision for 2010; IASLIC 25th All India Conference 2005, Chennai	₹ 1000
16. Information Support for Rural Development; IASLIC 21st National Seminar 2004, Kolkata	₹ 1000
17. Knowledge Management in Special Libraries in Digital Environment; IASLIC 24th All India Conference 2003, Dehradun	₹ 800
18. Digital Information Systems & Services; IASLIC 20th National Seminar 2002, Patiala	₹ 600

BOOKS

1. Indian Library Science Abstracts (ILSA), 2006-2010, Edited by Prof Juran Krishna Sarkhel	₹ 2500
2. 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	₹ 480
4. Indian National Library : Yesterday-Today-Tomorrow by J N Satpathi and P N Venkatachary	₹ 300
5. 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