ISSN 0018-8441

IASLIC

Bulletin

A Peer-reviewed Quarterly Journal

Vol. 66 No. 2 June 2021

CODEN IASLA 9 ISSN 0018-8441

- COVID-19 Research Publications in India
- Visualisation of Scholarly Citation Networks
- E-Theses in Institutional Repositories
- State Library of Nagaland in Preserving Cultural Heritage
- Spiral of Information Behaviour
- Bio-bibliometric Potrait of Stephen William Hawking



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

S B Banerjee

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

R K Chadha

(Former Additional Secretary, Parliament of India), Jaipur, Rajasthan

Amitabha Chatterjee

Former Professor, Dept of Library & Information Science Jadavpur University, Kolkata

Arjun Dasgupta

Former Professor, Dept of Library & Information Science University of Calcutta, Kolkata

Julia M Gelfand

Applied Sciences & Differences & Differences

P R Goswami

Former Director,
National Social Science Documentation Centre
Indian Council of Social Science Research
New Delhi

Claudio Gnoli

Librarian, University of Pavia, Pavia, Italy

C R Karisiddappa

Former Professor,

Dept of Library & Information Science
Karnataka University, Dharwad

Narendra Lahkar

Former Professor, Dept of Library & Information Science Gauhati University, Guwahati

Krishnapada Majumder

Former Prof Prabir Raychoudhury Chair Professor, Dept of Library & Information Science, Jadavpur University, Kolkata

ARD Prasad

Former Professor, Documentation Research and Training Centre, Indian Statistical Institute, Bangaluru

M P Satija

Former Professor, Dept of Library & Information Science, Guru Nanak Dev University, Amritsar

J N Satpathi

Former Librarian, National Institute of Homeopathy, Kolkata

B K Sen

Former Scientist, National Institute of Science Communication and Information Resources (NISCAIR), New Delhi

R S R Varalakshmi

Former Professor, Dept of Library & Information Science Andhra University, Visakhapatnam

Pradeepa Wijetunge

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

IASLIC Bulletin

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

CODEN IASLA 9 ♦ ISSN 0018-8441

VOL. 66 NO. 2, JUNE 2021

CONTENTS

COVID-19 Research Publications in India: A Bibliometric Study Subhranshubhusan Sahoo, Kanu Chakraborty and Devika P Madalli	67
Visualisation of Scholarly Citation Networks in Health Informatics Garima Gujral and J Shivarama	78
E-Theses in Institutional Repositories: An overview of Asian Countries Sangita Gupta, Ravi Shukla, Diksha Sharma and Tarseem Singh	86
State Library of Nagaland in Preserving Cultural Heritage: An Exploratory Study with Special Reference to Hornbill Festival Pichano Kikon and Bhakti Gala	102
Spiral of Information Behaviour and the Prominence of the Third Quadrant Sudip Ranjan Hatua	113
A Bio-bibliometric Potrait of Stephen William Hawking Soumen Teli and Asish Maity	122

© 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

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

Moumita Ash

Librarian, Vidyasagar Women's College, Kolkata

Banasree Roy

Librarian, Charuchandra College, Kolkata

Members

Abdul Majid Baba

Librarian, Central University of Kashmir, Srinagar

Ratna Bandyopadhyay

Former UGC Emeritus Fellow and Professor, DLISc, University of Calcutta, Kolkata

Arun Kumar Chakraborty

Librarian, Bose Institute, Kolkata

Ramesh Ch Gaur

Director (Library and Information) & Dean, IGNCA, New Delhi

Humayoon Kabir

Former Associate Professor, University of Kerala, Thiruvananthapuram

HPS Kalra

Professor, DLISc, Panjabi University, Patiala

Devika P Madalli

Professor, DRTC, ISI, Bangaluru

G Mahesh

Principal Scientist, NISCAIR, CSIR, New Delhi

Pravakar Rath

Professor, DLISc, Mizoram University, Aizwal

Nitai Raychoudhury

Librarian, City College, Kolkata

Suparna Sengupta

University Librarian, Pt Ravi Shankar Shukla University, Raipur

Sanjay Kumar Singh

Professor, DLISc, Gauhati University, Guwahati

Aditya Tripathy

Professor, DLISc, Banaras Hindu University, Varanasi

Editorial Working Group

Shrabana Ghosh

Librarian, Jadavpur University, Kolkata

Sk Nausad Kabir

Asst University Librarian, University of Calcutta, Kolkata

Sanjukta Roy

Librarian, Dinabandhu Mahavidyalaya, Bangaon

Editorial Assistants

Sompita Das

Librarian, Dumdum Motijheel Rabindra Mahavidyalaya, Kolkata

Biswaranjan Manna

K P C Medical College, Jadavpur

Sudipta Shee

Librarian, Vijaygarh Jyotish Ray College, 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 (033) 2362 9651

COVID-19 Research Publications in India: A Bibliometric Study

Subhranshubhusan Sahoo^a, Kanu Chakraborty^b and Devika P Madalli^c

Abstract

Purpose: As a response to the pandemic, the global scientific community has been engaged in intense research to find solutions to deal with the virus. This study is to cover bibliometric information about the COVID-19 pandemic in Indian states & Union Territories (UTs). The main aim of this study is to analyse quantitatively the impact of the epidemic in terms of authors, sources, and state/UTs-wise publications, involved in this research field.

Methodology: The Scopus database from Elsevier is used to find the COVID-19 related publications for this study. To retrieve the publications, we used search keywords as TITLE-ABS-KEY ("COVID-19" OR "covid 19" OR "SARS-COV-2") AND (LIMIT-TO (AFFILCOUNTRY, "India")) from Title, Abstract and Keywords'; and then restricted our search field to India only for a time period between December 2019 and 10th July 2020. We used a statistical tool R and Excel for data analysis.

Finding: The states/Union territories like Delhi and Maharashtra, which are the most affected by virus, are also the most productive states/UTs in terms of the number of publications. The top three journals in this area which published almost 36% of documents are the Indian Journal of Ophthalmology, Diabetes and Metabolic Syndrome: Clinical Research and Reviews, and Asian Journal of Psychiatry. The Bradford's Law is fittings partially concerning with covid-19 publications.

Value: As the COVID-19 situation intensifies across the world, this kind of study would help the Government of India to make decisions regarding funding institutions for collaborative work on COVID.

Keywords: COVID-19; SARS-COV-2; Coronavirus; Pandemic; Bibliometrics; India.

References

- 1. ZHU (N), ZHANG (D), WANG (W), LI (X), YANG (B), SONG (J), ZHAO (X), HUANG (B), SHI (W), LU (R) and NIU (P). A novel coronavirus from patients with pneumonia in China, 2019. New England Journal of Medicine. 382, 8; 2020, Jan. p727-33. DOI:10.1056/NEJMoa2001017 (Retrieved on: March 12, 2020).
- 2. ALMEIDA (JD), BERRY (DM), CUNNINGHAM (CH), HAMRE (D), HOFSTAD (MS), MALLUCCI (L), MCINTOSH (K) and TYRRELL (DA). Coronaviruses. *Nature*. 220; 1968. p650. (Retrieved on: March 12, 2020).
- 3. WEISS (SR) and NAVAS-MARTIN (S). Coronavirus pathogenesis and the emerging pathogen severe acute respiratory syndrome

IASLIC Bulletin. 66, 2; 2021, June

^b Assistant Librarian, Main Library, Indian Institute of Technology (IIT-BHU), Varanasi, UP − 221005, 🖠 +91-9774229141, 🖂 kchakraborty.lib@jitbhu.ac.in

Frofessor, Documentation Research and Training Centre (DRTC), Indian Statistical Institute, Bangalore Centre, Bangalore - 560059 🖂 devika@drtc.isibang.ac.in

- coronavirus. *Microbiology and molecular biology reviews*. 69, 4; 2005, Dec. p635-64.
- 4. WORLD HEALTH Organisation. Severe acute respiratory syndrome (SARS). Weekly Epidemiological Record = Relevé épidémiologique hebdomadaire. 78, 13; 2003, p.89.
- 5. ROTA (PA), OBERSTE (MS), MONROE (SS), NIX (WA), CAMPAGNOLI (R), ICENOGLE (JP), PENARANDA (S), BANKAMP (B), MAHER (K), CHEN (MH) and TONG (S). Characterisation of a novel coronavirus associated with severe acute respiratory syndrome. *Science*. 300, 5624; 2003, May. p1394-9.
- 6. WORLD HEALTH Organisation. *WHO* coronavirus disease (COVID-19) dashboard. https://www.who.int/. (Retrieved on: August 1, 2020).
- 7. In dia Fights Corona COVID-19. https://www.mygov.in/covid-19. (*Retrieved on: August 01, 2020*).
- 8. WORLD HEALTH Organisation. Coronavirus disease (COVID-19) pandemic. https://www.who.int/. (Retrieved on: August 1, 2020).
- 9. ELSEVIER. Scopus document search. https://www.scopus.com/home.uri. (Retrieved on: July 10, 2020).
- HAGHANI (M), BLIEMER (MC), GOERLANDT (F)and LI (J). The scientific literature on coronaviruses, COVID-19 and its associated safety-related research dimensions: A scientometric analysis and scoping review. Safety Science. 104806; 2020, May.
- 11. PATHAK (M). COVID-19 research in India: a quantitative analysis. *Indian Journal of Biochemistry & Biophysics*. 57; 2020, June. p351-5.
- 12. RAJU (NV). Indian publications on SARS-CoV-2: a bibliometric Study of WHO COVID-19 Database. *medRxiv*. 2020, Jan. doi: https://doi.org/10.1101/2020.06.08.20125518 (Retrieved on August 01, 2020).

- 13. VERMA (S) and GUSTAFSSON (A). Investigating the emerging COVID-19 research trends in the field of business and management: a bibliometric analysis approach. Journal of Business Research. 118; 2020, Sep. p253-61.https://doi.org/10.1016/j.jbusres. 2020.06.057. (Retrieved on June 28, 2020).
- 14. NASAB (FR). Bibliometric analysis of global scientific research on SARSCoV-2 (COVID-19). *medRxiv*. 2020, Jan. doi: https://doi.org/10.1101/2020.03.19.20038752 (Retrieved on June 25, 2020).
- 15. TAO (Z), ZHOU (S), YAO (R), WEN (K), DA (W), MENG (Y), YANG (K), LIU (H) and TAO (L). COVID-19 will stimulate a new coronavirus research breakthrough: a 20-year bibliometric analysis. *Annals of Translational Medicine*. 8, 8; 2020, Apr.
- 16. THELWALL (M). Dimensions: a competitor to scopus and the web of science?. Journal of informetrics. 12, 2; 2018, May. p 430-5.
- 17. GOPAKUMAR (V) and SUDHIER (K G). Testing Bradford's law of scattering and identifying core journals of Indian biochemistry research. *IASLIC Bulletin*. 62,2; 2020, June, p 115-7.
- 18. CHAKRABORTY (K), KURESHI (P S L), GAJBE (S B), UPADHYAY (N) and DEVI (D). Role of LIS professionals to provide authentic information sources during COVID-19 a Pandemic crisis. *Library Philosophy and Practice (e-journal)*. 4180; https://digitalcommons.unl.edu/libphilprac/4180 (Retrieved on: July 15, 2020).
- 19. ARIA (M) and CUCCURULLO (C). bibliometrix: an R-tool for comprehensive science mapping analysis. *Journal of informetrics*. 11,4; 2017, Nov. p959-75.
- 20. PLUME (A) and VAN (W D). Publish or perish? The rise of the fractional author. *Research Trends*. 38,3; 2014, Sept. p16-8.
- 21. MCKERCHER (B) and TUNG (V). The rise of fractional authors. *Annals of Tourism Research*. 61; 2016. p213-5.

Visualisation of Scholarly Citation Networks in Health Informatics

Garima Gujral^a and J Shivarama^b

Abstract

Purpose: This study aims to analyse the authorship patterns, citation analysis and author co-citation analysis in the field of health informatics.

Methodology: An author citation analysis was conducted on 3856 publications indexed in the Web of Science bibliographic database produced during 2009 to 2019. Author collaboration networks for country-wise, institution-wise collaborations were produced using VOS Viewer software.

Findings: The findings reveal that the number of citations in the health informatics domain has increased over the period of study from 112 in 2009 to 10481 in the year 2019. Haux R was the leading author with 31 publications. The degree of collaboration among 3856 publications in the field of health informatics during 2009-2019 came out to be 10.43%. Lotka's Law does not stand valid for the publications in the health informatics domain. The findings suggested that the collaborative authorship among multiple authors was higher as compared to the single authors. USA and China are found to be strongly interlinked to each other and had the highest number of collaborations. University of California, King's College London, Indiana University and John Hopkins University have the highest collaborations. The highest number of publications was written by collaboration among three authors i.e. 683 publications.

Value: This study has an original visualisation of authorship patterns and citation analysis that reveals the maturing field of health informatics.

Keywords: Health informatics; Citation analysis; Authorship pattern; Co-citations; Scientometrics; Lotka's law.

References

- 1. ANDREWS (J E). An author co-citation analysis of medical informatics. *Journal of the Medical Library Association: JMLA*. 91, 1; 2003.p47-56.
- 2. HAN (D), HAN (G) and ZHAO (X). Clinicopathologic predictors of survival in patients with desmoplastic melanoma. *PLoS One*. 10,3; 2015. p142-53
- 3. SITTIG (D F) and KAALAAS-SITTIG (J). A citation analysis of medical informatics journals. *Medinfo*. 8,12; 1994, p1452-6.
- 4. LOTKA (AJ). The frequency distribution of scientific productivity. *Journal of the Washington Academy of Sciences*. 16, 12; 1926. p317-24.

^a Centre for Library and Information Studies, Tata Institute of Social Sciences, Mumbai

^b Assistant Professor, Tata Institute of Social Sciences, Mumbai

E-Theses in Institutional Repositories: An overview of Asian Countries

Sangita Gupta^a, Ravi Shukla^b, Diksha Sharma^c and Tarseem Singh^d

Abstraci

Purpose: The current study tries to evaluate the working status, features and services of the e-Theses Institutional Repositories (IRs) of Asian countries. The institutional repositories are analysed for different issues like - country-wise distribution, number of records, different subject areas, language interface for sharing knowledge, software used for the creation of e-Theses IRs, web 2.0 features, etc.

Methodology: Registry of Open Access Repository (ROAR) was explored for observing the global visibility of e-Theses IRs of Asian countries. Further, individual website of each e-Theses IRs has been visited to analyse its features and services.

Findings: It was found that as on March 2020, Total of 47 e-Theses IRs from Asian countries have been registered in ROAR. Out of a total 47 IRs, 45 repositories have been analysed. Indonesia has a maximum number of e-Theses IRs (17), followed by India (10). However, India has a maximum number of e-Theses records (64.33%), followed by Indonesia (21.21%). Dspace and EPrint are the most used software in the creation of e-Theses IRs of the Asian countries. English is the most common language interface and repositories cover e-Theses of multiple subjects. All the repositories under study have web 2.0 features and advance searching facility, while repositories of some countries also have user statistics feature, indexing facility where as some repositories do not have these features.

Originality: In the present study, e-Theses IRs of Asian countries have been analysed to measure the different characteristic features by visiting the individual website of each repository. Many studies have been done on institutional repositories and e-Theses but no other study was conducted on the same title or covered the same features of IRs, so this is an original work of the authors.

Keywords: Institutional repositories; e-Theses; ROAR (Registry of Open Access Repository); India; Open Access.

References

- 1. https://www.budapestopenaccessinitiative.org/background. (*Retrieved on : August 15, 2020*)
- 2. http://legacy.earlham.edu/~peters/fos/bethesda. htm. (*Retrieved on : August 15, 2020*)
- 3. https://openaccess.mpg.de/67605/berlin_declaration_engl.pdf. (Retrieved on : August 15, 2020)
- 4. CLIFFORD (A L) Institutional repositories: essential infrastructure for scholarship in the

b Lecturer, Department of Library and Information Science, University of Jammu, Jammu- 180006 (India)

☑ shukladlisbhu@gmail.com

^c Research Scholar, Department of Library and Information Science, University of Jammu, Jammu- 180006 (India) ☑ dikshasharma9922@gmail.com

^d Senior Assistant Librarian, University of Jammu, Jammu- 180006 (India), ⊠ tarseem9999@gmail.com

- digital age. *Portal: Libraries and the Academy.* 3, 2; 2003, P. 328. https://muse. jhu.edu/article/42865/pdf. (Retrieved on: Dec 11, 2019)
- 5. https://www.merriam-webster.com/dictionary/thesis. (*Retrieved on : March 28, 2020*)
- 6. http://roar.eprints.org/. Retrieved on 31.03.2020
- SHUKLA (P) and AHMAD (N) Impact of institutional repositories' on scholarly practices of scientists. Library Philosophy & Practice (e-Journal). 2018. https://digital commons. unl.edu/libphilprac/1631. (Retrieved on Jan 18, 2020)
- 8. SINGH (K) and VERMA (N). Global visibility of Asian countries' open access institutional repositories. 2017. https://www.researchgate.net/publication/334108957_Global_Visibility_of_Asian_Countries'_Open_Access_Institutional_Repositories.) (Retrieved on Dec 24, 2019)
- 9. BAISHYA (K). Management of Indian institutional repositories: an evaluative study. Gauhati University, India. PhD Thesis, 2016. https://shodhganga.inflibnet.ac.in/handle/1060 3/127588). (Retrieved on: June 13, 2018)
- 10. FERRERAS-FERNANDEZ (T), GARCIA-PENALVO (F J) and MERLO VEGA (J A). Open access repositories as channel of publication scientific grey literature. International Conference on Technological Ecosystems for Enhancing Multiculturality, 3rd New York. 2015.
- 11. THORAT (S V). Design and development of institutional repository a conceptual model for university Libraries, India. PhD Thesis 2015. https://shodhganga.inflibnet. ac.in/handle/10603/121504) (Retrieved on: Feb 01, 2019)
- 12. IVWIGHREGHWETA (O). An investigation to the challenges of institutional Repositories development in six academic institutions in Nigeria. *International Journal of Digital Library Services*. 2,4; 2012.
- 13. FLUK (L). How the success of open access publishing can stimulate improved access to grey literature. *Urban Library Journal*. 14, 1; 2007. p. 39.

- 14. KALBANDE (DT). Institutional eepositories in India: an overview. Online International Interdisciplinary Research Journal. 2, 4; 2012. https://www.researchgate.net/publication/322820558_Institutional_Repositories_in_India_An overview. (Retrieved on : Jan 18, 2019).
- 15. CHAKRAVORTY (J), DATTA (S), and SINHA (MK). Contribution of ROAR and Open DOAR in Open Access Movement and Universal Access to Scholarly Information. Paper presented at the 10th Convention PLANNER-2016 NEHU, Shillong. https://ir.inflibnet.ac.in/bitstream/1944/2015/1/11.pdf. (Retrieved on: Feb 05, 2020).
- 16. OKPALA (H N). Access tools and services to open access: DOAR, ROAR, SHERPA-ROMEO, SPARC and DOAJ. Informatics Studies. 4, 3; 2017, p. 05-20. https://www.researchgate.net/publication/3182 49790_Access_Tools_And_Services_To_Open_Access_DOAR_ROAR_SHERPA-RoMEO_SPARC_AND_DOAJ.) (Retrieved on: Jan 15, 2020).
- 17. AHMED (A), ALREYAEE (S) and RAHMAN (A). Theses and dissertations in institutional repositories: a Asian perspective. *New Library World*, 115, 9/10; 2014, p. 438-51.
- 18. SHANTASHREE (S). E-thesis repositories: the Asian scenario. *Chinese Librarianship: An International Electronic Journal*, 33; 2012. http://white-clouds.com/iclc/cliej/cl33shanta shree.pdf. (*Retrieved on : Jan 23, 2020*)
- 19. WESTRIENEN (GV) and LYNCH (CA). Academic institutional repositories: development status in 13 nations as mid 2005. D Lib Magazine, 11,9; 2005. http://www.dlib.org/dlib/september05/westrienen/09westrienen.htm l?utm_source=dbpia (accessed 10 March 2020). (Retrieved on: Jan 23, 2020)

State Library of Nagaland in Preserving Cultural Heritage: An Exploratory Study with Special Reference to Hornbill Festival

Pichano Kikon^a and Bhakti Gala^b

Abstract

Purpose: This study is to explore the role of the State Library in preserving the indigenous Naga cultural heritage of the Hornbill Festival of Nagaland. The study is to explore further the possibilities of collaboration among the two entities for all future events.

Methodology: The study has used a mixed-method of data collection. The librarian of the State Library was also interviewed to know their role in preserving the Naga cultural heritage and its participation in the Hornbill festival. A questionnaire was distributed among visitors at the festival to collect opinions of visitors in the role of the festival in preserving Naga culture.

Findings: The study found that the special collection on Naga culture in the State Library can aid in preserving cultural heritage information of Nagaland. The Hornbill Festival is contributing to preserving the Naga cultural heritage by bringing visibility and keeping Naga identity. It is a platform where all the Naga people get educated about their indigenous cultural practices. The research has proposed various intersections for the State Library and the Hornbill Festival in preservation and promotion of cultural heritage information.

Value: This is the first study in India and from the state of Nagaland, which explores the contributions of two important stakeholders - the State Library, Kohima and the Hornbill Festival together as key contributors in preserving cultural heritage.

Keywords: Public library; Hornbill festival; Cultural heritage information; Naga culture; Cultural heritage preservation

References

- 1. BERGER (A A). The meanings of culture. *M/C: A Journal of Media and Culture.* 3, 2; 2000. https://doi.org/10.5204/mcj.1833. (*Retrieved on: March 1, 2020*).
- 2. BUCKLAND (M K). Cultural Heritage (Patrimony): An Introduction. *Records, Archives and Memory.* University of Zadar, Croatia, May 2013. University of Zadar; Zadar. 2015.p11-24.
- 3. UNESCO. *Protecting Our Heritage and Fostering Creativity*. https://en.unesco.org/themes/protecting-our-heritage-and-fostering-creativity. (2013). *(Retrieved on: April 11, 2020)*.
- 4. INTERNATIONAL COMMITTEE on Cultural Tourism (ICOMOS). ICOMOS international cultural tourism charter: principles and guidelines for managing tourism at places of cultural and heritage significance. *International*

[&]quot; Scholar, School of Library and Information Science, Central University of Gujarat, Gandhinagar-382030, Gujarat

ightharpoonup in the property of the propert

- Council on Monuments and Sites, ICOMOS International Cultural Tourism Committee. 2002. https://www.icomos.org/charters/tourism e.pdf. (Retrieved on: June 10, 2020).
- 5. BRCAR (F) and COLARI-JAKŠE (L M). Evaluation of cultural heritage in Posavje region by tourists and employees. *Challenges of the Future*. 2, 1; 2017. p1-15.
- 6. RUTHVEN (I) and CHOWDHURY (G), Eds. *Cultural heritage information: access and management.* 1. 2015. Facet publishing; London. p37-88.
- 7. YENIPINAR (U) and YILDIZ (E). Festivals as Cultural Heritage: the mesir festival of Manisa. *Global Issues and Trends in Tourism.* 2016. p323.
- 8. RICHES PROJECT. Cultural heritage festivals: belonging, sense of place and identity RICHES Resources. Resources.riches-project.eu. from https://resources.riches-project.eu/riches-think-paper-03-cultural-heritage-festivals-belonging-sense-of-place-and-identity/.(April 19, 2016). (Retrieved on: March 2, 2020).
- 9. IMIRGI (A). Reflections on the Concept of Festival. National Folklore. 17, 65; 2005. p29-36.
- 10. IFLA. IFLA/UNESCO Public Library Manifesto 1994. https://repository.ifla.org/bitstream/123456789/168/1/pl-manifesto-en.pdf. (Retrieved on: January 29, 2020).
- 11. IFLA. Preserving cultural heritage: an IFLA guide. https://www.ifla.org/wp-content/uploads/2019/05/assets/hq/topics/cultural-heritage/documents/preserving-cultural-heritage.pdf. (May 24, 2018). (Retrieved on: March 2, 2020).
- 12. ANNA (N E V). The Role of Libraries in Building and Promoting the Cultural Heritage Collection. *International Journal of Information Studies and Libraries*. 2, 2; 2017. p16.
- 13. VASSILAKAKI (E), GIANNAKOPOULOS (G) and TRIANTAFILLOU (I). The role of

- libraries in managing cultural heritage information. Future of Libraries. Indian Institute of Management Bangalore, Bannerghatta Road, Bangaluru, India-560076, Bangaluru, Karnataka, 26th-28th February, 2019. IIMB Bangalore; Bangaluru. 2019. https://doi.org/10.5281/zenodo.2567311. (Retrieved on: May 12, 2020).
- 14. DIM (LC) and OSADEBE (EN). The role of public libraries in the preservation of cultural heritage in Nigeria: challenges and strategies. *Journal of Applied Information Science and Technology.* 3; 2009. p46-50.
- 15. SETSHWANE (C M) and OATS (L). Cultural preservation through public libraries: Lessons from Kanye Public Library. IFLA WLIC 2015. Cape Town, South Africain Session S12 Satellite Meeting: Reference and Information Services, 11th -13th August, 2015. Cape Town. 2017. https://www.ifla.org/files/assets/reference-and-information-services/publications/003-setshwane-en.pdf. (Retrieved on: May 12, 2020).
- 16. GAUR (S S) and CHAPNERKAR (M). Indian festivals: the contribution they make to cultural and economic wellbeing: A case study of Ganapati Festival. *Worldwide Hospitality and Tourism Themes.* 7, 4; 2015. p367-76.
- 17. JAEGER (K) and MYKLETUN (R J). Festivals, identities, and belonging. *Event Management*. 17,3; 2013. p213-26.
- 18. WANG (X), KNEAREM (T), YOON (H J), JO (H), LEE (J), SEO (J) and CARROLL (JM). Engaging the community through places: a user study of people's festival stories. *International Conference on Information*. March 13, 2019. Springer, Cham. 2019. p315-26.
- 19. KARLSEN (S). *The music festival as an arena for learning: Festspeli Pite Älvdal and matters of identity.* Luleå University of Technology, Sweden. PhD Thesis. 2007. p11-53 (published).
- 20. BORG (D). The development of cultural heritage in Gozo, and its potential as a tourism

104 Kikon and Gala

- niche. International Journal of Tourism Cities. 3, 2; 2017. p184-95.
- 21. YENIPINAR (U) and YILDIZ (E). Festivals as cultural heritage: the mesir festival of Manisa. *Global Issues and Trends in Tourism.* 2016. p323.
- 22. LUNA (AM). A festival's impact: the case of the Bañamos festival. *Researchers World.* 6,1; 2015. p49.
- 23. SANGMA (M). Origin of the Lotha Naga and their early settlement. *International Research Journal of Social Science*. 6, 4; 2017.p43-8.
- 24. JAEGER (K) and MYKLETUN (R J). Festivals, identities, and belonging. Event Management. 17,3; 2013. p213-26.
- 25. LONGCHAR (R). *Oral narratives of Ao Nagas constructing identity*. University of Hyderabad, India. PhD Thesis. 2011. p1-7 (*Unpublished*).

Spiral of Information Behaviour and the Prominence of the Third Quadrant

Sudip Ranjan Hatua^a

Abstract

Purpose: The purpose of this study is to highlight the importance of search strategies of any information behaviour of every seeker. It also tried to make an assertion by providing an information behaviour model using Ranganathan's famous spiral of scientific method.

Methodology: This paper follows descriptive method using various literature study and model analysis. It has specially studied various search strategies and use flow chart diagram.

Findings: During the last couple of decades, lots of models have been warranted to understand information behavior. Lots of literature has been published in this context. Mostly describes the survey and user-seeking behavior by various communities specially in the digital environment. Based on those studies present model has been asserted and tried to show that proper search strategies are the most important factor of any information behaviour.

Values: This paper is an effort to understand 'information behavior' using Ranganathan's famous 'Spiral of Scientific Method'. Here it is a spiral of information behavior. It has four quadrants. This paper specifically concentrates on its third quadrants, where information searching is considered as the most powerful prominence factor for information behavior. This paper tries to establish this proposition with facts and a flow chart diagram.

Keywords: Information behavior; Search strategy; Spiral of the scientific method; Spiral of information behaviour

References

- 1. MARCHIONINI (G). *Information seeking in electronic environments*.1995.Cambridge University Press; New York p76-98
- 2. BATES (Marcia J). Information behaviour. In BATES (Marcia J) and MAACK (Mary Niles), Eds. *Encyclopedia of library and information science*. V. 3. 2010. 3rd ed. CRC Press; New York. p 2381-91.
- 3. WILSON (Tom). Exploring models of information behaviour: the 'uncertainty' project. *Information Processing and Management*, 35, 6;1999. p 839-849. (http://www.sciencedirect.

- com/science/article/pii/S0306457399000291) (Retrieved on: November, 15 2020)
- 4. HYLDEGARD (Jette). Collaborative information behaviour—exploring Kuhlthau's information search process model in a group-based educational setting. *Information Processing and Management*. 42, 1; 2006. p276-98,
- 5. ROWLANDS (Ian) and others. The Google generation: the information behaviour of the researcher of the future. *Aslib Proceedings*. 60,4; 2008, p290-310.
- 6. WILSON (T D) A general theory of human

IASLIC Bulletin. 66, 2; 2021, June

^a Associate Professor, Department of Library and Information Science, Rabindra Bharati University, Kolkata-700050 ⋈ s.r.hatua@rbu.ac.in

114 Hatua

information behaviour. In Proceedings of ISIC: the information behaviour conference, Zadar, Croatia, Sept 20-23, 2016. Part 1. Information Research. 21, 4; December, 2016. http://InformationR.net/ir/22-1/isic/isic1620.html. (Retrieved on: December 8, 2020)

- WEBER (H), BECKER (D) and HILLMERT, (S). Information-seeking behaviour and academic success in higher education: which search strategies matter for grade differences among university students and how does this relevance differ by field of study? High Educ77. 2018 p 657–78. https://doi.org/10.1007/s10734-018-0296-4 (Retrieved on: November 8, 2020)
- 8. ZIMMER (F), SCHEIBE. (K) and STOCK (WG). A model for information behavior research on social live streaming services (SLSSs). In: MEISELWITZ (G) Eds Social Computing and Social Media. Technologies and Analytics. SCSM 2018. Lecture Notes in Computer Science, V 10914. Springer, Cham.https://doi.org/10.1007/978-3-319-91485-5_33 (Retrieved on: November, 15 2020)
- 9. GEORGE (T) and CHAWINGA (Winner D). Information behaviour of rural smallholder farmers in some selected developing countries: a literature review. *Information Development* (SAGE Journal). 35,5; 2018. (October 7, 2018). https://doi.org/10.1177/0266666918804861 (Retrieved on: November 25, 2020)
- 10. HOWLADER (Ahmadul Islam) and ISLAM (Md Anwarul). Information-seeking behaviour of undergraduate students: a developing country perspective. *IFLA Journal.45*, 2;2019. (April 23, 2019) https://doi.org/10.1177/0340035

- 219842312 (Retrievedon: November 25, 2020)
- 11. WILSON (T D). Models of information behaviour research. Journal of Documentation. 5 5 , 3 ; 1 9 9 9 . p 2 4 9 2 7 0 . https://www.researchgate.net/publication/228784950_Models_in_Information_Behaviour Research (Retrieved on: November 18, 2020)
- 12. RANGANATHAN (S R) Library Science and scientific method. *Annals of Library Science*. 4,1; 1957. p19-32. http://nopr.niscair.res.in/bitstream/123456789/28515/1/ALIS4(1)19-32.pdf (*Retrieved on: November 15, 2020*)
- 13. CLEMENT (J) Internet usage worldwide statistics and facts.(2020). https://www.statista.com/topics/1145/internet-usage-worldwide/(Retrieved on: Dec 10, 2020).
- 14. PALMER (Carole L), LAUREN (C.Teffeau) and CARRIE (M Pirmann). Scholarly information practices in the online environment: themes from the literature and implications for library service development. Report commissioned by OCLC Research. (2009). www.oclc.org/programs/publications/reports/20 09-02.pdf (Retrieved on December 26, 2020)
- 15. VILAR(Polona). Information behaviour of scholars. Libellarium: journal for the research of writing, books, and cultural heritage institutions. 7. 10.15291/libellarium.v7i1.194. (2015). https://www.researchgate.net/publication/277652899_Information_behaviour_of_scholars. (Retrieved on: November 15, 2020)
- 16. BAWDEN (David) and ROBINSON (Lyn). *introduction to information science*. 2012. Facet; London; p 203.

A Bio-bibliometric Potrait of Stephen William Hawking

Soumen Teli^a and Asish Maity^b

Abstract

Purpose: Stephen William Hawking is a renowned scientist worked in several fields of physics and the allied sciences. He has contributed 173 research papers during the span of 1965 to 2018. This paper tries to depict a quantitative analysis of his research contribution through a bibliometric study and endeavor to draw a scientific portrait of this fame of scientist.

Methodology: Research data has been collected from Web of Science and Scopus bibliographic databases and then analysed following standard procedure for preparing scientific portrait.

Findings: Stephen William Hawking has contributed 173 research papers in 53 years of his research career. He has contributed maximum number of publication in the journal Physical Review D and some other important inferences have been drawn from the analysis.

Originality/Value: We have not observed any scientometric portrait on Stephen Hawking and it is high time to quantitatively asses the contribution of this famous author and in this regard this is an original and important.

Keywords: Bibliometrics; Scientometrics; Scientometric portrait; Stephen William Hawking.

Reference

- 1. HAWKING (S). http://www.hawking.org.uk/about-stephen.html (Retrieved on March 10, 2018)
- 2. KADEMANI (B S), KALYANE (V L) and KADEMANI (A B). Scientometric portrait of Nobel Laureate Dr. CV Raman. *Indian Journal of Information, Library and Society.* 7,3-4;1994. p215-49.
- 3. KALYANE (V L) and MUNNOLLI(S S). Scientometric Portrait of T S West. *Scientometrics*. 33,2;1995.p233-56.
- 4. KADEMANI (B S), KALYANE (V L) and KADEMANI (A B). Scientometric Portrait of Sir KS Krishnan. *Indian Journal of Information, Library and Society.* 9,1-2;1996. p125-50.
- 5. ANGADI (M), KOGANURAMATH (M M), KADEMANI (B S), KALYANE (V L), and SEN (B K). Scientometric portrait of Nobel Laureate

Leland H. Hartwell; 2004.

- 6. KOLEY (S) and SEN (B K). A biobibliometric study on Prof B N Koley, an eminent physiologist. *Annals of Library and Information Studies*. 53; 2006. p74-82.
- 7. HAZARIKA (T), SARMA (D) and SEN (B K). Scientometric portrait of Nayana Nanda Borthakur: a biometeorologist. Annals of Library and Information Studies, 57; 2010. p21-32.
- 8. ANJUM (M A K) and AHMAD (M). Scientometric Portrait of Dr. Atta-ur-Rahman. *Library Philosophy and Practice*; 2011.
- 9. BABY (B). Bio-bibliometric Analysis of Literature Output of Prof M Lakshmanan in the Subject of Nonlinear Dynamics. Asia Pacific Journal of Library and Information Science. 2,2; 2012.
- 10. SARAVANAN (G) and PRSAD(S). Scientometric Portrait of G. Thanikaimoni: a

[°]Librarian, Shyampur Siddheswari Mahavidyalaya, Ajodhya, Howrah-711312 🖂 soumenn165@gmail.com 🖠 9046141385

^b Librarian, Yogoda Satsanga Palpara Mahavidyalaya, Palpara, Purba Medinipur-721458 🖂 maityasish1989@gmail.com **1** 7679685226

- palynologist of high repute.
- 11. VELLAICHAMY (A) and AMSAN (E). Scientometric portrait of Mike Thelwall. *Library Philosophy and Practice*. 2016.
- 12. KALYANE (V L) and SEN (B K). Scientometric portrait of nobel laureate Pierre-Gilles de
- Gennes. *Malaysian Journal of Library & Information Science*. 1,2; 2017,p13-26.
- 13. DUTTA (B). Biobibliometric portrait of B K Sen: A librarian, information scientist and scientometrician. *Malaysian Journal of Library & Information Science*, 24,1;2019.p1-21.