

Manika Lamba

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Education

- 2018–2022[†] Ph.D. Library and Information Science, University of Delhi
(Expected) *Thesis Title:* Analyzing Trends in Electronic Theses and Dissertations: 100 years of Library and Information Science
Supervisor: Margam Madhusudhan
- 2017–2018 M.Phil., Library and Information Science, University of Delhi
Dissertation Title: Topic Mining and Prediction Modeling of Library and Information Science Theses submitted to Shodhganga from 2013 to 2017
Supervisor: Margam Madhusudhan
- 2016–2017 M.L.I.S, Library and Information Science, University of Delhi
Dissertation Title: Marketing of Library and Information Products and Services in Selected Medical Libraries in Delhi: A Case Study
Supervisor: R.K. Bhatt
- 2015–2016 B.L.I.S, Library and Information Science, University of Delhi
- 2012–2014 M.Sc., Plant Biotechnology, TERI School of Advanced Studies
Dissertation Title: Analysis of Filaggrin gene variation in different disease phenotypes
Supervisors: Pallavi Somvanshi, Archana Singh, Binuja Verma
- 2009–2012 B.Sc. (H), Biochemistry, University of Delhi

Research Interests

My scholarship focuses on the intersections of information retrieval, digital libraries, social informatics, and scholarly communication using NLP and data science methods on digital trace data specifically scientific literature and social media data. Specifically, I want to build better search and recommendation systems as well as identify the trends, and topics in the scientific literature using NLP methods. I have worked extensively with textual data. My work combines qualitative and quantitative methods, including focus groups, survey and field experiments, and computational approaches.

Publications

Authored Book

- [1] **Manika Lamba** & Margam Madhusudhan. (2022). Text Mining for Information Professionals: An Uncharted Territory, Springer Nature. <https://doi.org/10.1007/978-3-030-85085-2>
- [Author's Website for the Book](#)
 - [GitHub Account with Reproducible Research Compendium](#)

Edited Book

- [1] **Manika Lamba**. (Ed.). (2022). Technological Advancements in Library Service Innovation, IGI Global. <https://doi.org/10.4018/978-1-7998-8942-7>

Journal Articles

† indicates the student mentored by me for Masters dissertation

- [1] **Manika Lamba**, & Margam Madhusudhan. (2022). Text Mining Research in Libraries. (Under Review)
- [2] Carolyn Barnett, Michael Fitzgerald, Katie Krumholz, and **Manika Lamba**. Gender in the Journals: A Dataset of Gender and Politics Research. PS: Political Science & Politics, 55(3), 511-518. DOI:[10.1017/S1049096522000385](https://doi.org/10.1017/S1049096522000385) (Equal Contribution).
- Research documentation and data that support the findings of this study are openly available at the Harvard Dataverse at <https://doi.org/10.7910/DVN/UVWRTV>.
- [3] Brady D. Lund, Ting Wang, Amrollah Shamsi, Jamilu Abdullahi, Abosede Awojobi, Dhruva Jyoti Borgohain, Gema Bueno de la Fuente, Gilberto Parra Huerta, Alireza Isfandyari-Moghaddam, Md. Anwarul Islam, Ali Akbar Khasseh, **Manika Lamba**, Endang Fitriyah Mannan, David Manyonga, Boya Nan, Bing Nie, Vasantha Raju N., Ravi Shukla, Nafiz Zaman Shuva, Rafaela Carolina da Silva, Eva Ugarte, Aliyu Olugbenga Yusuf. (2021). Barriers to Scholarly Publishing Among Library and Information Science Researchers: International Perspectives, Information Development. DOI: [10.1177/02666669211052522](https://doi.org/10.1177/02666669211052522)
- [4] **Manika Lamba**, Neha Kashyap[†], & Margam Madhusudhan. (2021). Research Evaluation of Computer Science Departments: A Cohort Study of Indian Central Universities, Global Knowledge, Memory and Communication. DOI: [10.1108/GKMC-07-2020-0097](https://doi.org/10.1108/GKMC-07-2020-0097)
- [5] K.C.Garg, **Manika Lamba**, & Rahul Kumar Singh. (2020). Bibliometric Analysis of papers published during 1992 to 2019 in DESIDOC Journal of Library and Information Technology, DESIDOC Journal of Library and Information Technology, 40(6), 396-402. DOI:[10.14429/djlit.40.06.15741](https://doi.org/10.14429/djlit.40.06.15741)
- [6] **Manika Lamba**. (2020). Research Productivity of Health Care Policy Faculty: A Cohort Study of Harvard Medical School, Scientometrics, 124(1), 107–130. DOI: [10.1007/s11192-020-03433-5](https://doi.org/10.1007/s11192-020-03433-5)
- [7] **Manika Lamba**, & Margam Madhusudhan. (2020). Mapping of ETDs in ProQuest dissertations and theses (PQDT) global database (2014-2018), Cadernos BAD, 2019(1), 169–182. URL: <https://www.bad.pt/publicacoes/index.php/cadernos/article/view/2034/pdf>

- [8] **Manika Lamba**, & Margam Madhusudhan. (2019). Mapping of Topics in DESIDOC Journal of Library and Information Technology, India: a study, *Scientometrics*, 120(2), 477–505. DOI: [10.1007/s11192-019-03137-5](https://doi.org/10.1007/s11192-019-03137-5)
- [9] **Manika Lamba**, & Margam Madhusudhan. (2019). Author-Topic Modeling of DESIDOC Journal of Library and Information Technology (2008-2017), India, *Library Philosophy and Practice*, e2593. URL: <https://digitalcommons.unl.edu/libphilprac/2593/>
- [10] **Manika Lamba**, & Margam Madhusudhan. (2019). Metadata Tagging and Prediction Modeling: Case Study of DESIDOC Journal of Library and Information Technology (2008-2017), India, *World Digital Libraries*, 12(1), 33–89. DOI: [10.18329/09757597/2019/12103](https://doi.org/10.18329/09757597/2019/12103)
- [11] **Manika Lamba**. (2019). Marketing of academic health libraries 2.0: a case study, *Library Management*, 40(3/4), 155–177. DOI: [10.1108/LM-03-2018-0013](https://doi.org/10.1108/LM-03-2018-0013)
- [12] **Manika Lamba**, & Margam Madhusudhan. (2018). Application of sentiment analysis in libraries to provide temporal information service: a case study on various facets of productivity, *Social Network Analysis and Mining* volume, 8:63. DOI: [10.1007/s13278-018-0541-y](https://doi.org/10.1007/s13278-018-0541-y)

Peer-Reviewed Conference Papers

- [1] **Manika Lamba**. (2019). Text Analysis of ETDs in ProQuest Dissertations and Theses (PQDT) Global (2016-2018). In *ICDL2019: Digital Transformation for an Agile Environment*, New Delhi (pp. 734–745). New Delhi, India. [Download](#)
- [2] **Manika Lamba**, & Margam Madhusudhan (2018). Metadata Tagging of Library and Information Science Theses: Shodhganga (2013-2017). In *ETD 2018 Taiwan Beyond the Boundaries of Rims and Oceans: Globalizing Knowledge with ETDs*. Taipei, Taiwan. [Download](#)
- [3] **Manika Lamba**, & R.K. Bhatt (2017). Marketing of LIS Products and Services in Select Medical Libraries of Delhi in Digital Environment: A Comparative Study. In *2nd International Conference of Asian Libraries: Expanding Digital Footprints: Role of Libraries & Information Centers*, (pp. 179-192). New Delhi, India. [Download](#)

Book Chapters

- [1] Margam Madhusudhan, & **Manika Lamba**. (2021). Subject librarians and their changing roles. In: *Quality Library Services in New Era* (pp. 88-96). Guwahati:EBH Publishers. [Download](#)
- [2] **Manika Lamba**, & Margam Madhusudhan. (2019). New Paradigm in Library 2.0: Sentiment Analysis of Twitter. In *Emerging Trends for SMART Libraries: A Festschrift in Honour of Professor V.P.Khare in Four Volumes* (pp. 195-201). Delhi:Shree Publications, and Distributors. [Download](#)
- [3] **Manika Lamba**. (2019). Marketing of University College of Medical Sciences Library, University of Delhi: a Study. In *Innovative Librarianship through ICT Tools and Technology* (pp. 1-11). Delhi:Shree Publishers and Distributors. [Download](#)
- [4] **Manika Lamba**, & Margam Madhusudhan. (2018). Application of Topic Mining and Prediction Modeling Tools for Library and Information Science Journals. In *Library Practices in Digital Era: Festschrift in Honor of Prof. V Vishwa Mohan* (pp. 395-401). Hyderabad:BS Publications. [Download](#)

Panel Papers

- [1] Bhakti Gala, Kai Wah Samuel Chu, Md. Anwarul Islam, Syeda Hina Batool, Raj KumarBhardwaj, Man Yi Helen Chan, **Manika Lamba**, and Prasadi Kanchana Jayasekara. (2022). Health Information Crisis During COVID-19 in the South Asian Region: Challenges, Experiences, Resilience, and Collaborative Efforts. In 85th Annual Meeting of ASIS&T, Pittsburgh.

Posters

- [1] Man Yi Helen Chan, Kai Wah Samuel Chu, Bhakti Gala, Md. Anwarul Islam, Syeda Hina Batool, Raj KumarBhardwaj, Prasadi Kanchana Jayasekara, and **Manika Lamba**. (2022). Equipping Students and Beyond with Sound COVID-19 Knowledge to Survive and Thrive Despite the Pandemic. (Under Review)

Others

- [1] **Manika Lamba**. (2021). South Asia Chapter Newsletter. Vol. 1 Issue 1.
<https://www.flipsnack.com/manikalamba/salaam-namaste-ayubowan/full-view.html>
- [2] **Manika Lamba**. (2022). South Asia Chapter Newsletter. Vol. 1 Issue 1.
<https://www.flipsnack.com/manikalamba/salaam-namaste-ayubowan-newsletter-2022-vol-1-no-2.html>

Talks

Invited

October 2022	Lecture on Topic Modeling and Network Analysis	University of Hawaii	Zoom
8 October 2022	Sentiment Analysis using R	RLadies Gaborone	Zoom
27 April 2022	Topic Modeling with R	RLadies Urmia (Iran)	Zoom
18 Dec 2021	Acceleration of Health Information Literacy: Preparing Multi-Lingual COVID-19 Contents for South Asia Region	University of Dhaka, Bangladesh	Zoom

Organized

29 June 2022	Author Carpentry: Persistent Access for Research Outputs with Digital Object Identifiers Workshop Sessions 1 & 2	IFLA Science & Technology Libraries Section	Zoom
22 June 2022	Author Carpentry: Identifying Reputable OA Journals Workshop Sessions 1 & 2	IFLA Science & Technology Libraries Section	Zoom
31 May 2022	3rd ASIS&T SIG-III Café Meet	ASIS&T SIG-III	Zoom
17 Mar 2022	2nd ASIS&T SIG-III Café Meet	ASIS&T SIG-III	Zoom

5 Feb 2022	Health Information Literacy - Content Creation during the COVID Infodemic	IFLA Science & Technology Libraries Section	Zoom
20 Jan 2022	1st ASIS&T SIG-III Café Meet	ASIS&T SIG-III	Zoom
15 Dec 2021	The Carpentries & Author Carpentry	IFLA Science & Technology Libraries Section	Zoom

Current Working Projects

- [1] Enabling interactive exploration of rich scientific multigraphs with Neo4j Bloom with Stanislava Gardasevic, Alec McGail, and Jodi Schneider
- [2] Dealing with COVID-19 and Saving People's Lives in South Asia (SA) Areas and Beyond with Bhakti Gala, Helen Chan, Hina Batool, Md Anwarul Islam, Prasadi Kanchana Jayasekara, Raj Bhardwaj, Sam Chu
- [3] Gender Research in Political Science: Topics, Trends and Networks with Carolyn Barnett, Michael Fitzgerald, Katie Krumholz, and Kathleen Rogers (Working Paper) (Equal contribution)
- [4] An Experimental Design on the Relationship between COVID-19 Misinformation and Protective Behavior with Chen-Shuo Hong, Funded by SICSS (Data analysis in progress) (Equal contribution)
- [5] Thanking the world: Investigating sources of support and sentiments in theses and dissertations with Hendrik Erz (Data analysis in progress) (First author)

Contributed Presentations

- [1] **Manika Lamba.** (2021). Analyzing Trends in Electronic Theses and Dissertations: 100 years of Library and Information Science (oral presentation), [84th Annual meeting of the Association for Information Science and Technology](#), October 2021.
- [2] **Manika Lamba.** (2021). Analyzing Trends in Electronic Theses and Dissertations: 100 years of Library and Information Science (oral presentation), [ACM/IEEE Joint Conference on Digital Libraries \(JCDL\)](#), September 2021.
- [3] **Manika Lamba.** (2021). Exploratory Text Analysis of Electronic Theses and Dissertations (oral presentation), [iSchool Conference \(Virtual\)](#), March 2021.
- [4] **Manika Lamba.** (2019). Text Analysis of ETDs in ProQuest Dissertations and Theses (PQDT) Global (2016-2018) (oral presentation), [ICDL2019: Digital Transformation for an Agile Environment](#), New Delhi, India, November 2019.
- [5] **Manika Lamba,** & Margam Madhusudhan. (2019). Mapping of ETDs in ProQuest dissertations and theses (PQDT) global database (2014-2018) (video presentation), [22nd International Symposium on Electronic Theses and Dissertations – ETD 2019](#), Porto, Portugal, November 2019.
- [6] **Manika Lamba,** & Margam Madhusudhan. (2018). Metadata Tagging of Library and Information Science Theses: Shodhganga (2013-2017) (oral presentation), [ETD 2018 Taiwan Beyond the](#)

[Boundaries of Rims and Oceans: Globalizing Knowledge with ETDs](#), Taipei, Taiwan, September 2018.

- [7] **Manika Lamba.** (2017). Marketing of LIS Products and Services in Select Medical Libraries of Delhi in Digital Environment: A Comparative Study (oral presentation), [2nd International Conference of Asian Libraries: Expanding Digital Footprints: Role of Libraries & Information Centers](#), New Delhi, India, October 2017.

Selected Honors, Awards, Fellowships, and Fundings

- 2022 Received 1,050 Euro to cover travel expenses to attend the [Bremen International Graduate School of Social Sciences \(BIGSSS\) Summer Schools in Computational Social Science](#) at Groningen, Netherlands
- 2022 Received \$5000 (US) from Princeton University under the Data Driven Social Science (DDSS) initiative
- 2021 Selected to receive [Indian Council of Social Science Research \(ICSSR\) Doctoral Fellowship](#) for two years
- 2021 Received \$2000 (US) from [NSF, Science of Science and Computational Discovery Lab](#) to support the proposed project on *"Enabling interactive exploration of rich scientific multigraphs with Neo4j Bloom"* (with Stanislava Gardasevic, Alec McGail, and Jodi Schneider)
- 2021 Selected to attend Doctoral Consortium and Conference of [ACM/IEEE Joint Conference on Digital Libraries](#) with fully waived registration fees
- 2021 Selected to attend Doctoral Colloquium of [84th Annual Meeting of the Association for Information Science and Technology](#)
- 2021 Received fully waived registration fees to attend [IFLA World Library and Information Congress 2021](#)
- 2021 Received \$8000 (US) from [Association for Information Science & Technology \(ASIS&T\)](#) to support the proposed project on *"Dealing with COVID-19 and Saving People's Lives in South Asia (SA) Areas and Beyond"* (with Bhakti Gala, Helen Chan, Hina Batool, Md Anwarul Islam, Prasadi Kanchana Jayasekara, Raj Bhardwaj, Sam Chu)
- 2021 Received an honorarium to provide my feedback on the structure, audience, format, and content of the **Public Communication of Science Scoping Workshop** to identify the areas of the course that need to be developed. It was organized by the Ethics Team (Public Policy Program) as a part of *Learning at The Alan Turing Institute*
- 2021 Received fully waived registration fees to attend [Special Library Association \(SLA\) 2021 Virtual Conference](#)
- 2021 Received fully waived registration fees to attend the [Networks 2021](#). The waiver was made possible by the [International Network for Social Network Analysis](#), the [Network Science Society](#), and the [Indiana University Network Science Institute](#)
- 2021 Received fully waived registration fees to attend [Research Data Access and Preservation \(RDAP\) 2021 Summit](#). It was funded by Figshare, Northeastern University Library, and Syracuse University iSchool
- 2021 Selected to attend Doctoral Colloquium and full [iSchool Conference 2021](#) with fully waived registration fees funded by U.S. National Science Foundation

2020	Received fully waived registration fees to attend Special Library Association (SLA) 2020 Virtual Conference . Contributed a blog article on “ <i>AlphaSense: Case Study of an Artificial Intelligence Search Engine in Business</i> ” session which was attended at the conference
2020	Received \$600.48 (US) in Amazon Mechanical Turk credits from SICSS to support proposed research on “ <i>An Experimental design on the Relationship between COVID-19 misinformation and Protective Behavior</i> ” (with Chen-Shuo Hong)
2019	Received Best Paper Award at ICDL 2019 , New Delhi
2019-2021	Received UGC Non-NET Scholarship
2019	Featured in Information Professionals Share their Top Tips for 2019 blog by Copyright Clearance Center (CCC)
2018	Secured first position in M.Phil. in Library and Information Science
2018	Received free student registration of \$3,000 (NTD) to attend ETD 2018 conference at Taipei, Taiwan
2017-2018	Cleared National Eligibility Test (UGC NET or NTA-UGC-NET) four times in January 2017 (certificate no: 172018291), November 2017 (certificate no: 172036059), July 2018 (certificate no: 181045230), and December 2018 (certificate no: 182034780) that determines the eligibility for the post of Assistant Professorship in India

Services and Professional Activities

Elected Positions

2021-2025	Standing Committee Member	IFLA Science and Technology Libraries Section
2021-2022	Secretary/Treasurer	SIG Organizational Information Management, ASIS&T
2021-2022	Cabinet Representative	SIG Digital Libraries, ASIS&T
2021-Present	Newsletter Officer and Webmaster	Association for Information Science & Technology (ASIS&T) South Asia Chapter

Editorial Services

2021-Present	Editor-in-Chief	International Journal of Library and Information Services (IJLIS), IGI Global
Aug–Oct 2019	Volunteered Editor-at-large	dh+lib (an ACRL Digital Humanities Interest Group project)

Volunteered Positions

2021-Present	Chair of Professional Development Sub-Committee	IFLA Science and Technology Libraries Section
2021	Awards Committee Member	Judged Pitch Talk Award for Networks 2021
2021-Present	Multimedia Subcommittee	Information Matters Students Board

Invited Positions

2022	Jury (Senior Primary Group)	International Digital Story Writing Competition: AI and Health & COVID-19: Imagine, Create & Share
2022	Jury	Journal of the Association for Information Science and Technology (JASIST) Best Paper Award Committee
2021	Invited Discussant	5th Library Technology Conclave (LTC2021) for <i>Social Media Research</i> session, Video 1 and 2
2020-Present	Program Committee Member	The Digital Marketing & eCommerce Conference
Sep 2019	Invited Attendee	ProQuest Day, Aloft Hotel Aerocity, Delhi

Reviewing Services

† indicates reviewing for multiple times

[ELI Annual Meeting 2020](#) by EDUCAUSE, Plos One, Neurosciences, Journal of Big Data[†], IEEE Access[†], Journal of Medical Internet Research[†], JMIR Medical Informatics, JMIR Public Health and Surveillance, Scientometrics[†], Journal of Information Science[†], Global Knowledge, Memory and Communication[†], Journal of International Medical Research[†], Complexity, Library Hi-Tech, Information Discovery and Delivery[†], International Journal of Library and Information Services[†], Network Modeling Analysis in Health Informatics and Bioinformatics[†], DESIDOC Journal of Library and Information Technology[†], Library Quarterly, International Journal of Information Technology & Decision Making, International Journal of Technology, Knowledge, and Society[†], Library Philosophy and Practice, Academia Letters

Professional Memberships

- Life Member [Indian Library Association](#)
- 2021–Present [Special Libraries Association \(SLA\)](#)
- 2021–Present [Association for Information Science and Technology \(ASIS&T\)](#)
- 2020–2021 [Research Data Access and Preservation Association \(RDAP\), Inc.](#)
- 2015–Present [Delhi University Library Science Students' Association \(DULSA\)](#)

Additional Training

- 2022 Selected to attend the [Bremen International Graduate School of Social Sciences \(BIGSSS\) Summer Schools in Computational Social Science](#) for two-weeks at Groningen, Netherlands. It is funded by the Volkswagen Foundation (project 92 145 “BIGSSS Summer Schools in Computational Social Sciences: Data-driven Modeling of Conflicts, Migration, and Social Cohesion”)
- 2021 Selected to attend two weeks [Science of Science Summer School \(S4\)](#) which was funded by NSF’s Collaborative Research: Social Dynamics of Knowledge Transfer Through Scientific Mentorship and Publication. The acceptance rate was 19%
- 2021 Attended [Data Science Summer School](#) by Hertie School, [Data Science Lab](#)
- 2021 Attended [use!R 2021](#) Conference. useR! conferences are non-profit conferences organized by community volunteers for the community, supported by the R Foundation
- 2021 Selected to attend the [Digital Humanities & Research Software Engineering Summer School](#). It was a one-week summer school that involved 5 intensive training days to gain thorough understanding of the role of a Research Software Engineer in Digital Humanities research. It was organized by [The Alan Turing Institute](#)
- 2021 Selected to attend the [1st Social ComQuant Summer School](#). It was an intensive research-based summer program in computational social science It was organized by [Social ComQuant](#) and funded by the European Union’s Horizon 2020 research and innovation program under grant agreement no 952128. The acceptance rate for the summer school was 30%
- 2021 Selected to attend the [Text Analysis Pedagogy Institute](#) led by JSTOR Labs in partnership with The University of Virginia (2021) and The University of Arizona (2022) with the funding from the *National Endowment for the Humanities*. I undertook the following [Courses](#):
- (1) Machine Learning by Grant Glass (Ph.D. candidate, University of North Carolina at Chapel Hill);
 - (2) Topic Modeling by Rafael Alvarado (Associate Professor, University of Virginia); and
 - (3) Visualizing Humanities Data by Zoe LeBlanc (Postdoctoral Associate, Princeton University)

- 2020 Guided Project on [Fake News Detection with Machine Learning](#), Coursera
- 2020 Guided Project on [Create Interactive Dashboard with Streamlit and Python](#), Coursera
- 2020 Guided Project on [Network Data Science with NetworkX and Python](#), Coursera
- 2020 Selected to attend a two-weeks intensive research-based summer program in computational social science by [Summer Institute in Computational Social Science \(SICSS-Rutgers\)](#), sponsored by *Alfred P. Sloan Foundation, Russell Sage Foundation, Facebook, Social Science Research Council*
- 2019 Five Day Workshop on *Library Automation & Digitisation*, South Campus Library, University of Delhi
- 2019 Certificate Course in Archives Management, National Archives of India
- 2018 Certificate Course in Reprography, National Archives of India
- 2018 [Research Data Management and Sharing](#), Coursera
- 2017 Certificate Course in Care and Conservation of Books, Manuscripts and Archives, National Archives of India
- 2017–2018 Certificate Course in German Language, University of Delhi
- 2016–2017 Certificate Course in French Language, University of Delhi
- 2015 [Reproducible Research](#), Coursera

Skills

- R Intermediate
- Python Intermediate
- Other LaTeX, HTML5, GitHub, SPSS, Qualtrics, Amazon Mechanical Turk (MTurk), Rapid-Miner, ORANGE, Canva, WordPress, Tableau

Mentorship

- 2020 Neha Kashyap MLIS Student (*Dissertation Title: Research Evaluation of Central Universities of India using Altmetrics: A Cohort Study*), University of Delhi
- 2020 Victor Chepik [Certified Publons Academy Mentor](#), Publons Academy