UNIVERSITY OF DELHI

DOCTORAL RESEARCH

VOLUME 25

2025

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2025

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DELHI UNIVERSITY LIBRARY SYSTEM
DOCTORAL THESES COLLECTION

The Central Library of the Delhi University Library System (DULS) stands as the esteemed depository of scholarly inquiry, entrusted with the guardianship and stewardship of doctoral theses approved by the University of Delhi for the conferment of the Doctor of Philosophy degree upon its researchers. Within its vast collection, it houses an impressive repository of 27,911 doctoral theses spanning 85 academic departments, each a testament to the spirit of intellectual pursuit fostered under the University's aegis.

Each year, DULS compiles and publishes a catalogue detailing the scholarly endeavours of the University, a volume that records and celebrates the doctoral theses produced within its halls. This publication, aptly titled *Doctoral Research*, is unveiled on the eve of the University's Annual Convocation.

A product of the new millennium, *Doctoral Research* came into existence in the year 2000. Yet, its lineage extends across half a century, tracing its origins to an earlier scholarly chronicle known as the *Handbook of Research Activities*. The roots of this endeavour reach back to 1957, when the Academic Council of the University resolved to inaugurate a publication under the title *Abstracts of Theses*. However, it took seven years before the first volume of the *Abstracts of Theses* could be brought out on the eve of the Republic Day in January 1964 by the Registrar of the University. This seminal work contained abstracts of fifty theses, carefully prepared by their authors, selected from among the seventy doctoral works approved by the University up to the academic year 1956–57.

Two decades later, in January 1984, another landmark publication emerged—*Doctoral Theses 1972–82*, an exhaustive record of 1,825 theses, issued in honour of the University's Diamond Jubilee. Recognizing the enduring value of such an initiative, the idea of establishing an annual compendium took shape. In 1986, under the leadership of Vice-Chancellor Professor Moonis Raza, the University revived the vision of a regular scholarly chronicle, ensuring that, henceforth, a comprehensive catalogue of doctoral research would be published annually on the eve of the University's Convocation

under the title *Handbook of Research Activities*. The following volumes of the *Handbook* were published annually:

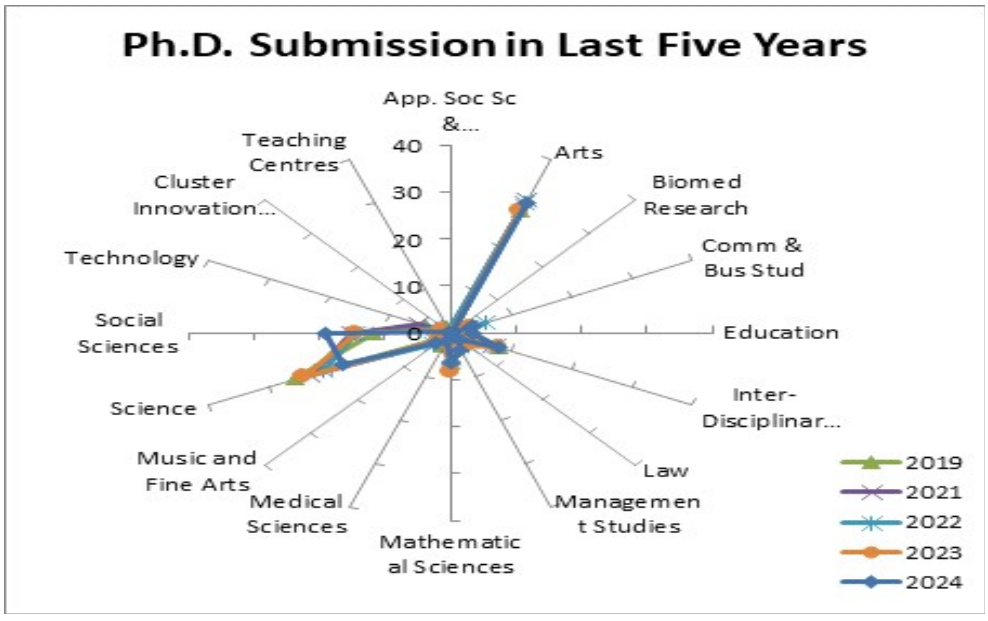
1.	Handbook of Research Activities	1986-87	127p.
2.	Handbook of Research Activities	1987-88	355p.
3.	Handbook of Research Activities	1988-89	331p.
4.	Handbook of Research Activities	1989-90	597p.
5.	Handbook of Research Activities	1990-91	545p.
6.	Handbook of Research Activities	1991-92	441p.
7.	Handbook of Research Activities	1992-93	357p.
8.	Handbook of Research Activities	1993-94	132p.
9.	Handbook of Research Activities	1994-95	191p.
10.	Handbook of Research Activities	1995-96	099p.
11.	Handbook of Research Activities	1996-97	188p.
12.	Handbook of Research Activities	1997-98	180p.
13.	Handbook of Research Activities	1998-99	119p.

The *Handbook* was superseded by *Doctoral Research* from the year 2000 and the following volumes of the New Series have appeared so far:

1.	Doctoral Research	Vol 1	2000	Ph.D. Theses : 351	174 p.
2.	Doctoral Research	Vol 2	2001	Ph.D. Theses : 113	197 p.
3.	Doctoral Research	Vol 3	2002	Ph.D. Theses : 228	285 p.
4.	Doctoral Research	Vol 4	2003	Ph.D. Theses : 208	256 p.
5.	Doctoral Research	Vol 5	2004	Ph.D. Theses : 256	234 p.
6.	Doctoral Research	Vol 6	2005	Ph.D. Theses : 209	255 p.
7.	Doctoral Research	Vol 7	2006	Ph.D. Theses : 181	282 p.
8.	Doctoral Research	Vol 8	2007	Ph.D. Theses : 203	295 p.
9.	Doctoral Research	Vol 9	2008	Ph.D. Theses : 301	341 p.
10.	Doctoral Research	Vol 10	2009	Ph.D. Theses : 247	298 p.
11.	Doctoral Research	Vol 11	2010	Ph.D. Theses : 353	360 p.
12.	Doctoral Research	Vol 12	2011	Ph.D. Theses : 357	428 p.
13.	Doctoral Research	Vol 13	2012	Ph.D. Theses : 330	371 p.
14.	Doctoral Research	Vol 14	2013	Ph.D. Theses : 366	380 p.
15.	Doctoral Research	Vol 15	2014	Ph.D. Theses : 475	297 p.
16.	Doctoral Research	Vol 16	2015	Ph.D. Theses : 468	364 p.
17.	Doctoral Research	Vol 17	2016	Ph.D. Theses : 627	350 p.
18.	Doctoral Research	Vol 18	2017	Ph.D. Theses : 516	336 p.
19.	Doctoral Research	Vol 19	2018	Ph.D. Theses : 578	337 p.
20.	Doctoral Research	Vol 20	2019	Ph.D. Theses : 516	407 p.
21	Doctoral Research	Vol 21	2021	Ph.D. Theses : 628	511 p.
22	Doctoral Research	Vol 22	2022	Ph.D. Theses : 675	532 p.
23	Doctoral Research	Vol 23	2023	Ph.D. Theses : 705	553 p.
24	Doctoral Research	Vol 24	2024	Ph.D. Theses : 737	657 p.

The Table and Figure below provides a bird's eye view of faculty wise Ph.D. Submissions in last five years.

	2019	2021	2022	2023	2024
App. Soc Sc & Humanities	0.8	1.27	1.6	--	--
Arts	28.1	30.7	28.3	28.1	30.1
Biomed Research	--	--	--		--
Comm & Bus Stud	2.5	2.9	3.7	3.4	3.7
Education	3.3	2.9	2.8	1.4	3.5
Inter-Disciplinary and Applied Sciences	7.9	6.9	5.6	8.1	8.1
Law	1	1.4	2.7	3.8	2.2
Management Studies	2.7	1.6	1.6	2.6	4.1
Mathematical Sciences	6.4	5.4	7.4	8.5	6.5
Medical Sciences	2.9	1.3	1.5	2.2	1.8
Music and Fine Arts	1.6	2.4	3.3	2	3.0
Science	25.6	23.2	26.2	24.2	17.7
Social Sciences	11.8	15.1	11.1	14.5	18.9
Technology	4.3	5.1	4.1	1.2	0.39
Cluster Innovation Centre and Informatics	--	--	--	--	--
Teaching Centres	1.2	--	--	--	--
Total	**516**	**628**	**675**	**737**	**508**



The current Volume 25 of *Doctoral Research* covering the period 2024-2025 presents the following data of Ph. D. Theses.

S.No.	Faculty	Ph.D.
01.	Applied Social Scs. & Humanities	--
02.	Arts	153
03.	Commerce and Business Studies	19
04.	Education	18
05.	Inter-Disciplinary & Applied Sc	41
06.	Law	11
07.	Management Studies	21
08.	Mathematical Sciences	33
09.	Medical Sciences	09
10.	Music and Fine Arts	15
11.	Science	90
13.	Social Sciences	96
13.	Technology	02
	Total	508

I extend my deepest gratitude to numerous colleagues (acknowledged elsewhere in this volume) whose tireless dedication and unwavering commitment have brought this work to fruition in the span of a mere fortnight—a feat of no small measure. I humbly seek the forbearance of its readers and trust that they will graciously overlook any typographical imperfections that may have crept into its pages.

Dr. Rajesh Singh
University Librarian

February 21, 2025

Research Trends and Topical Thematic Analysis

An Examination of Ph.D. Theses of the University of Delhi from 2019 to 2025

Subjects Covered

1. Anthropology
2. Botany
3. Chemistry
4. Commerce
5. Computer Sciences
6. Economics
7. Education
8. Engineering
9. English
10. Geography
11. History
12. Law
13. Library and Information Science
14. Management Studies
15. Mathematics
16. Medical Sciences
17. Philosophy
18. Physics
19. Political Science
20. Psychology
21. Sociology
22. Statistics
23. Zoology

The University of Delhi, esteemed for its varied academic offerings, has continually generated research that substantially enhances world knowledge. Examining the research trends and themes in PhD theses published between 2019 and 2025 uncovers growing patterns that illustrate the evolving nature of academic inquiry and social demands.

In recent years, the fields at the University of Delhi have seen a significant transition towards interdisciplinary study, tackling modern global issues. There is a growing emphasis in the sciences on climate change, renewable energy technologies, biotechnology, artificial intelligence, and data science. Themes of social justice, gender studies, migration, and digital humanities have been prominent within the humanities and social sciences, mirroring the evolving political, economic, and social landscapes in India and worldwide. Subsequent thematic analysis of the theses indicates an increasing focus on the intersectionality of concerns. Current economic study frequently incorporates social inequity, worker rights, and environmental sustainability. In the social sciences, there is a marked rise in studies about the effects of digital transformation on education, healthcare, and public policy.

The expanding research landscape indicates that the University of Delhi aggressively addresses the demand for theoretically grounded information applicable to real-world challenges. The increasing focus on sustainability, technological advancement, and social inclusion underscores the institution's dedication to generating pertinent and influential research. Consequently, analyzing these topics provides significant insights into the prospective trajectories of academic research in India and its correspondence with worldwide trends.

The study presents two figures for the disciplines mentioned above, representing:

a. **Word Cloud: Highlights the prominent keywords extracted from the title of the theses, mainly showcasing the major trending topics in the respective discipline.**
b. **Thematic Evolution Map: Shows the evolution of various research topics over the period of 2019-2025 and the relationship between these topics over time.**

Figure 1: Word Cloud Based on Keywords extracted from the Title of the Theses

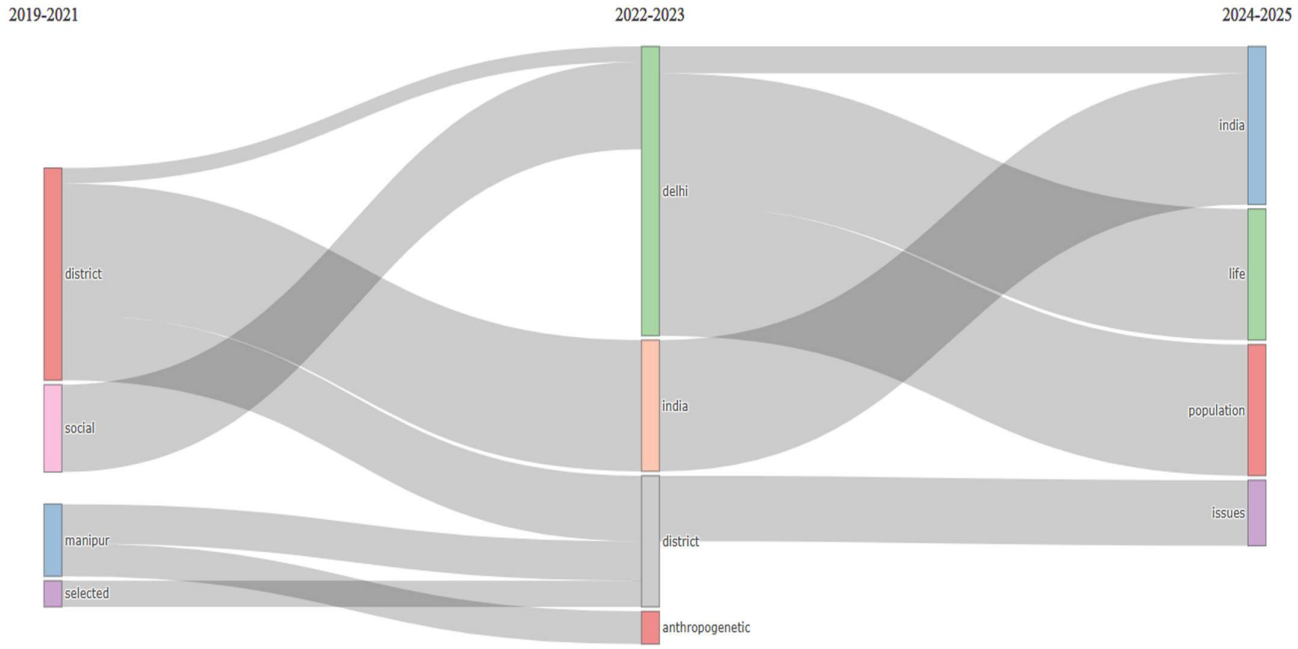
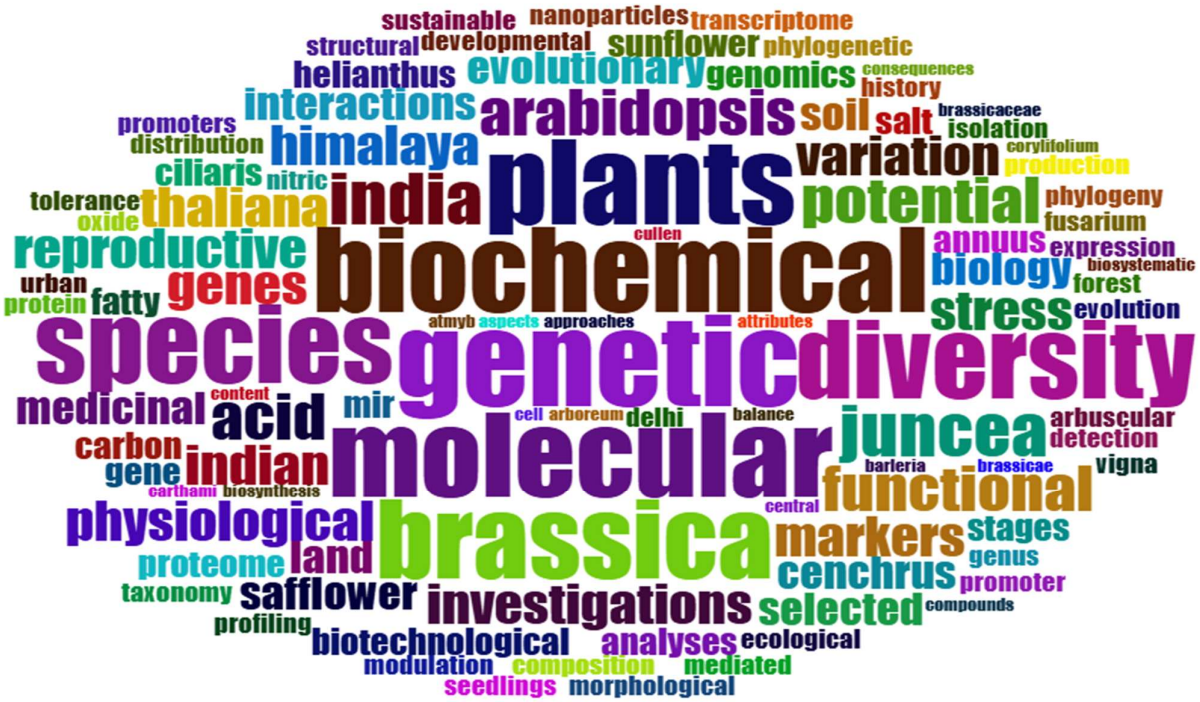


Figure 2: Thematic Evolution Map of PhD Topics from 2019 to 2025



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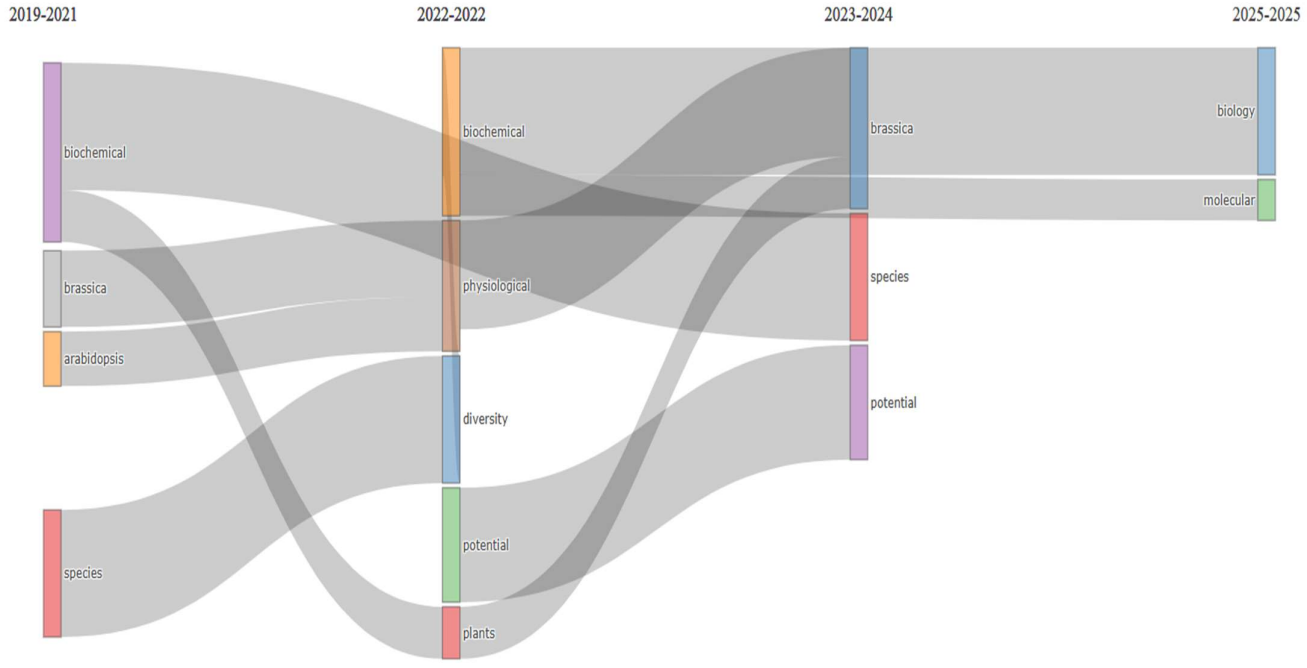

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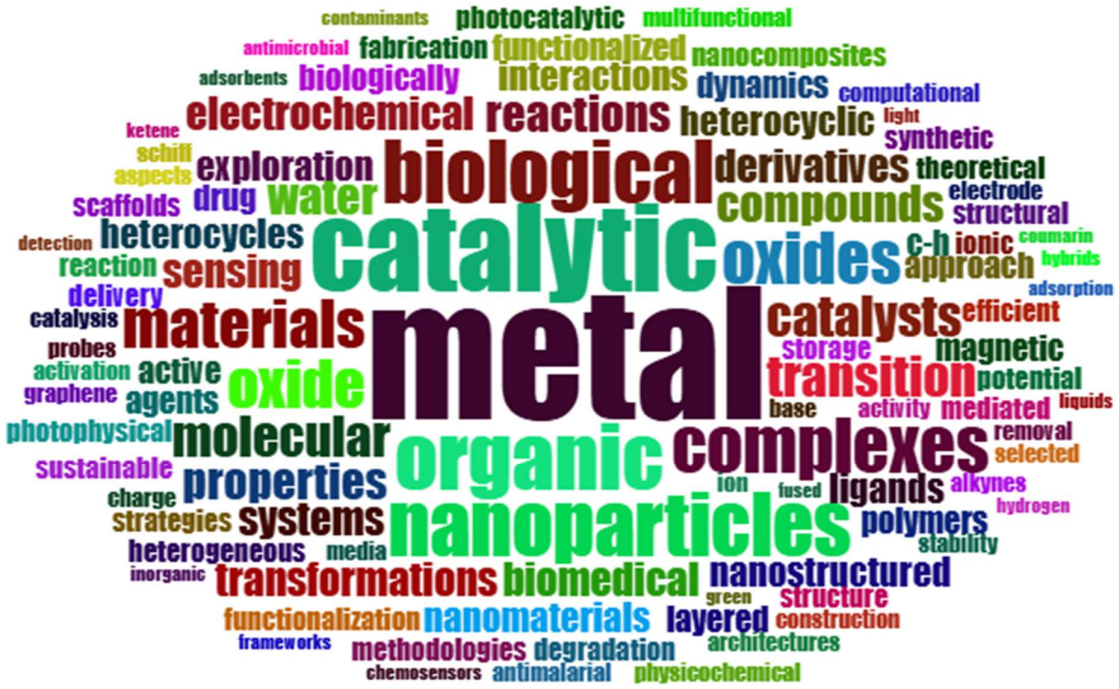

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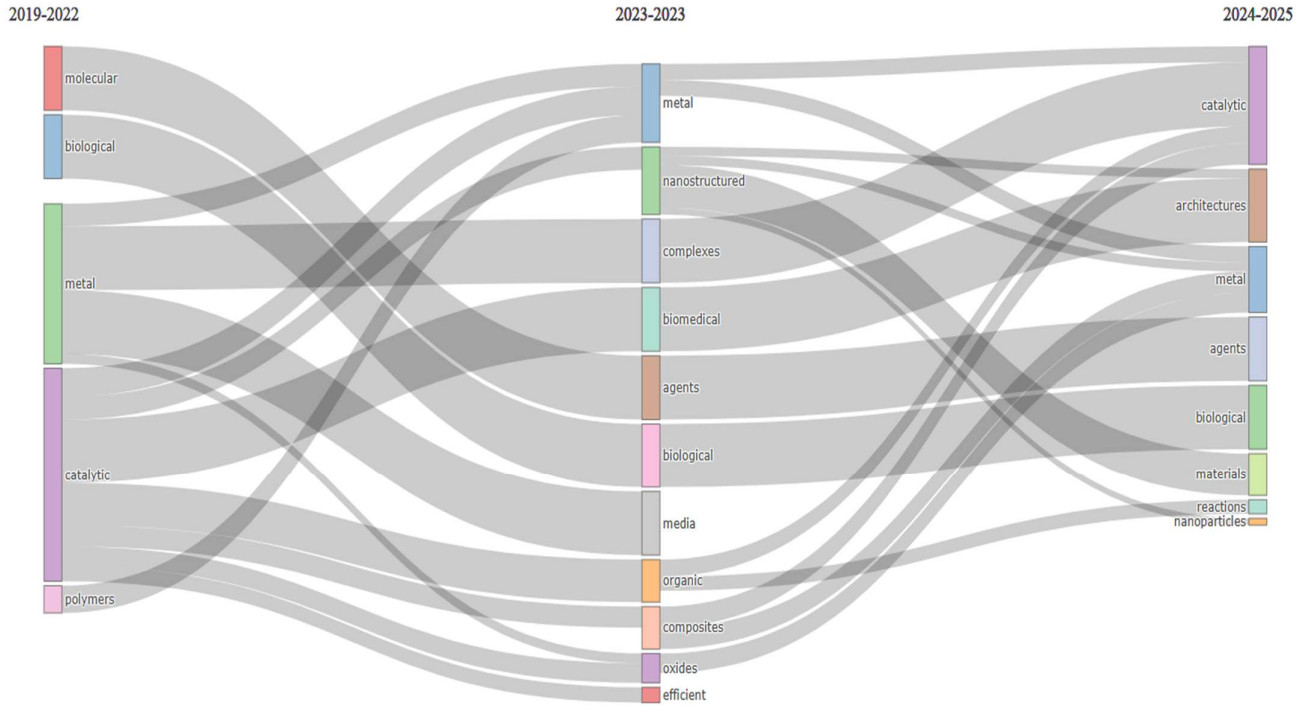

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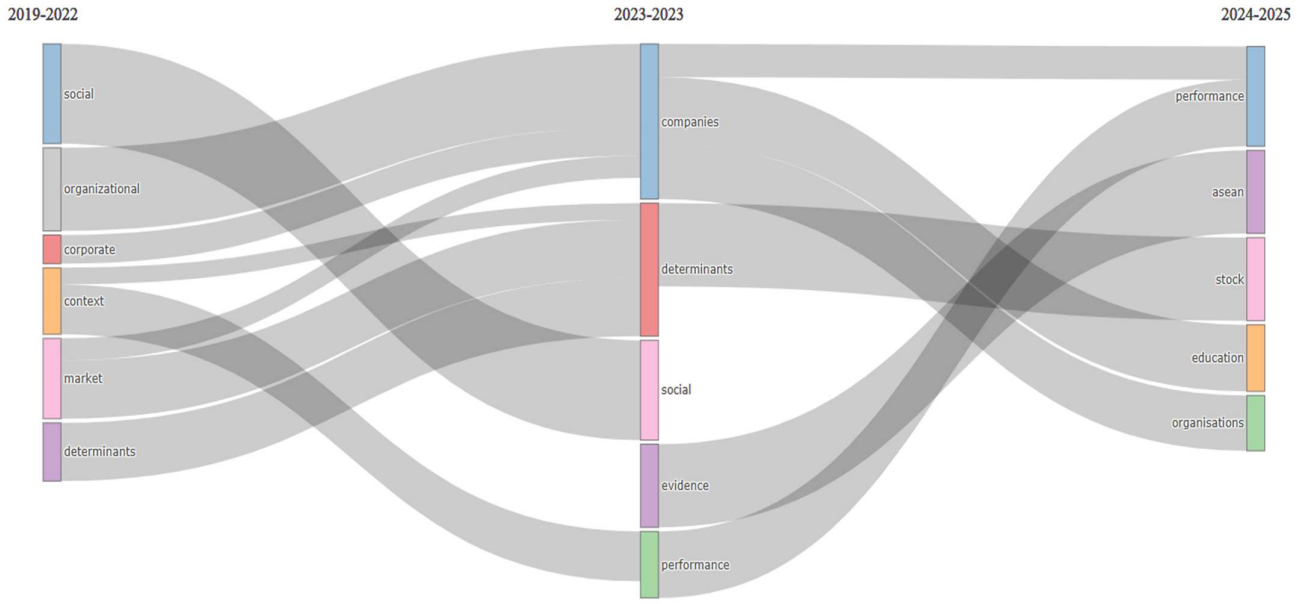

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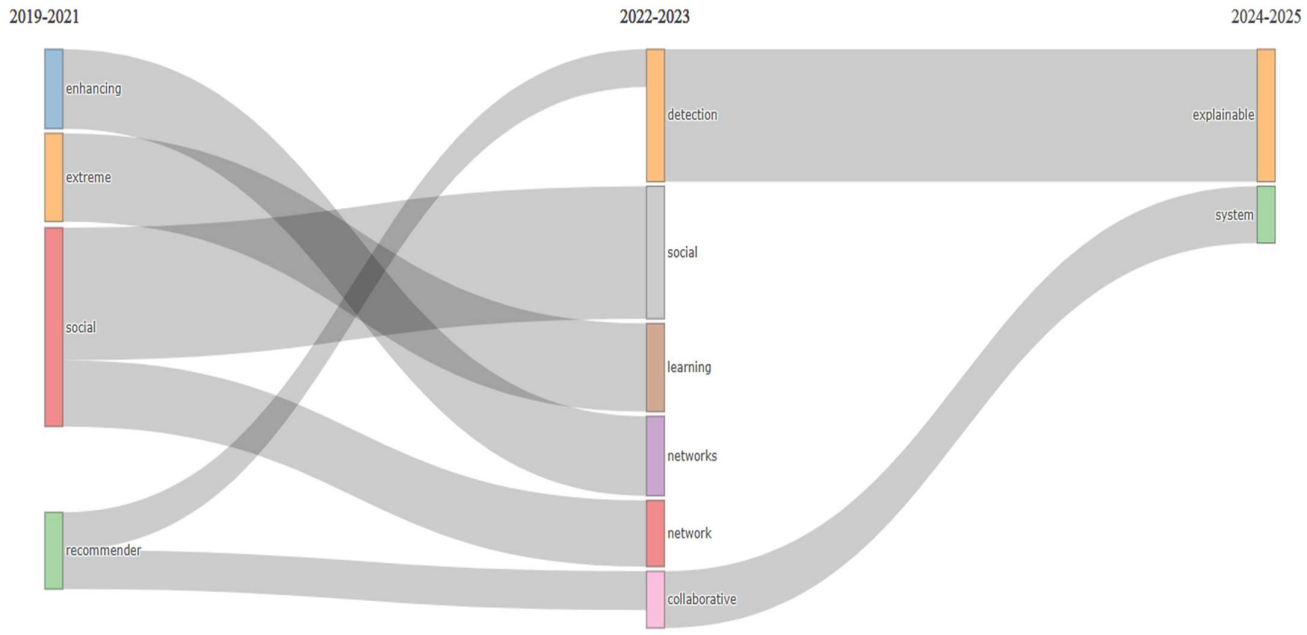

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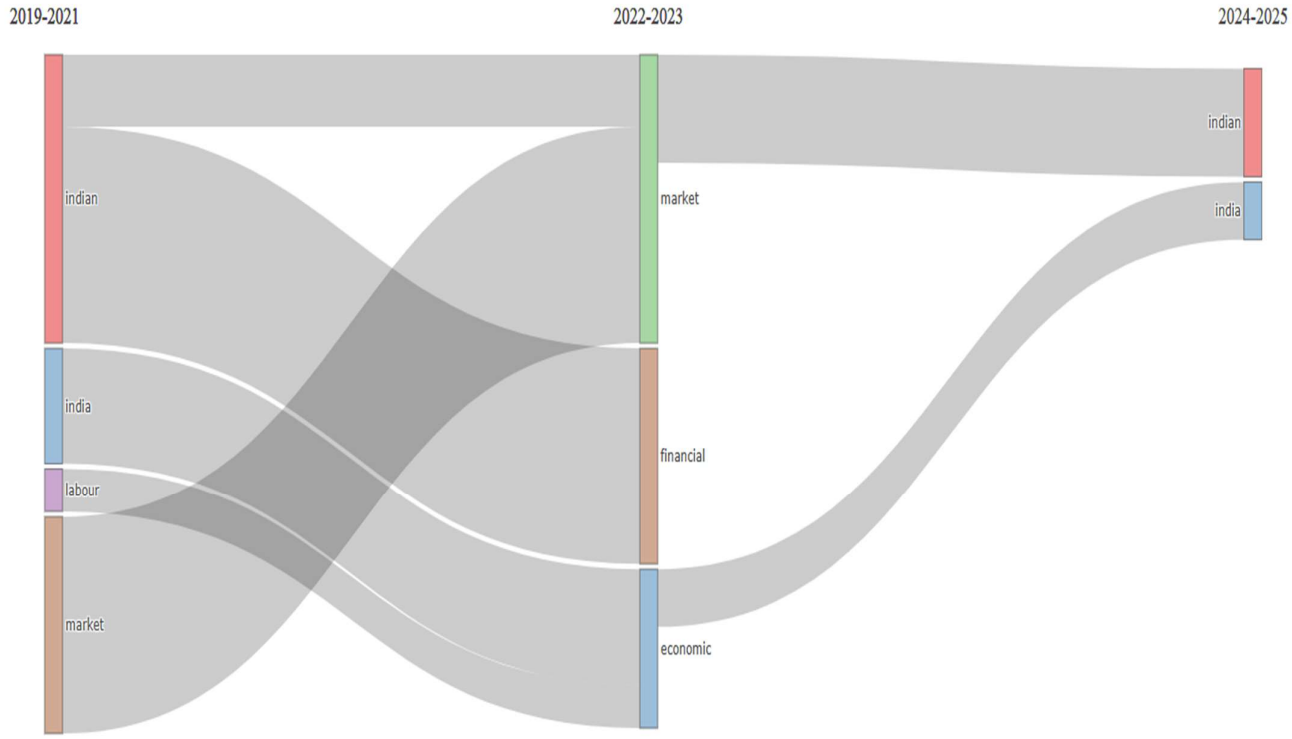

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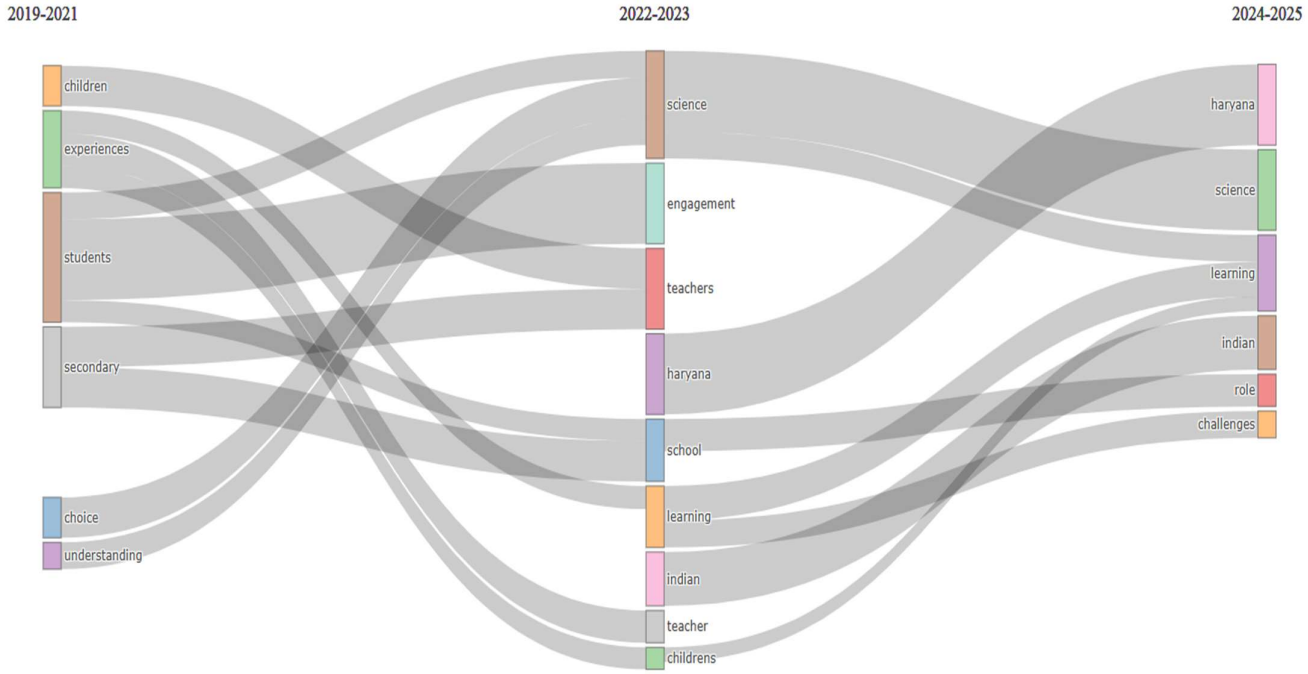

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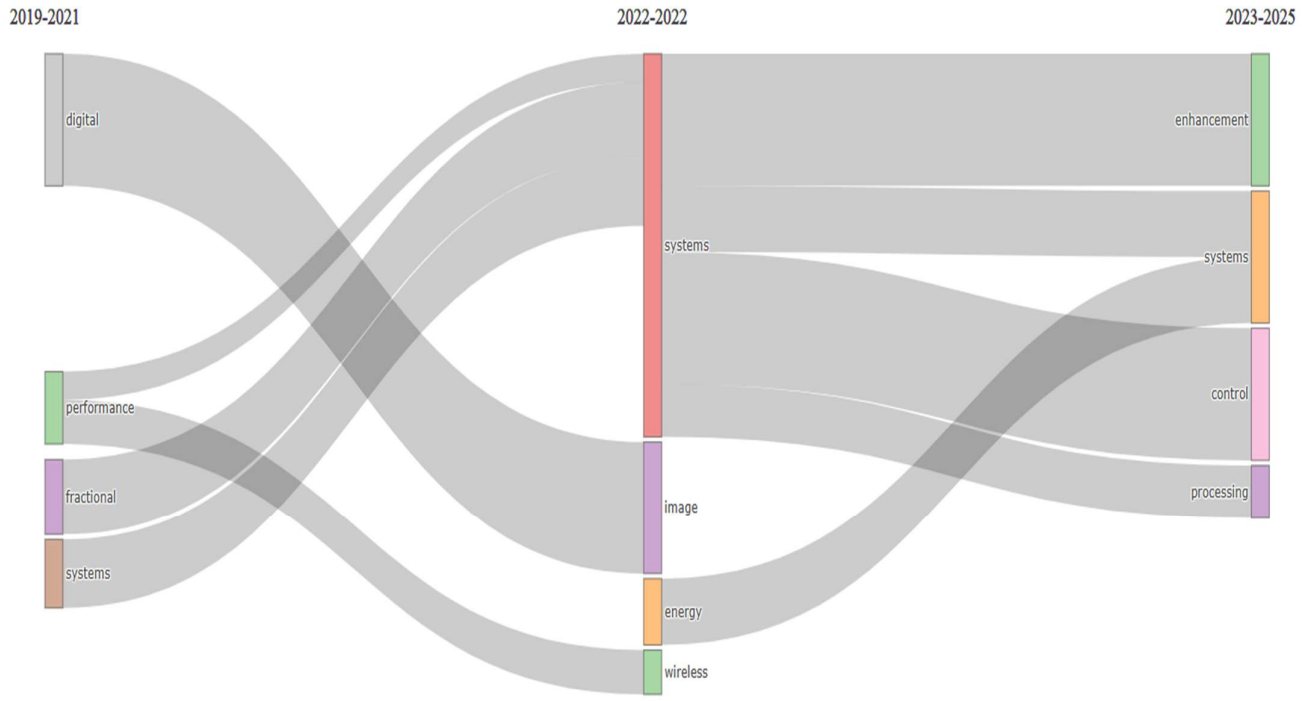

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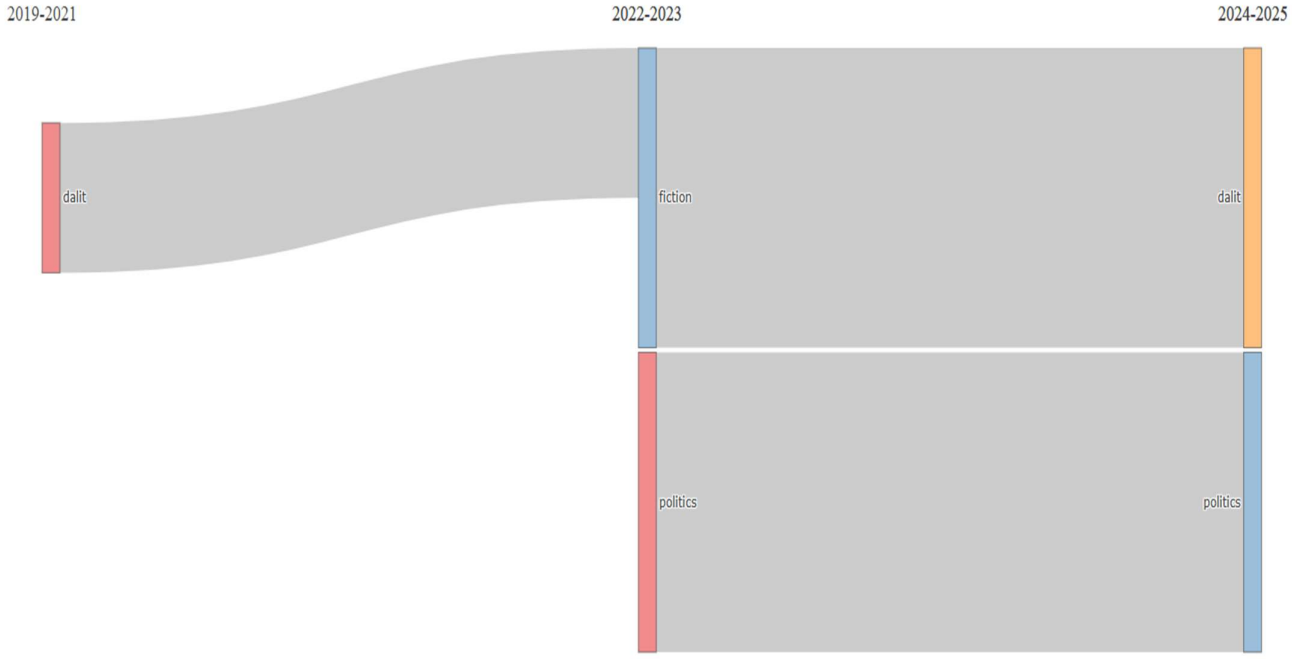

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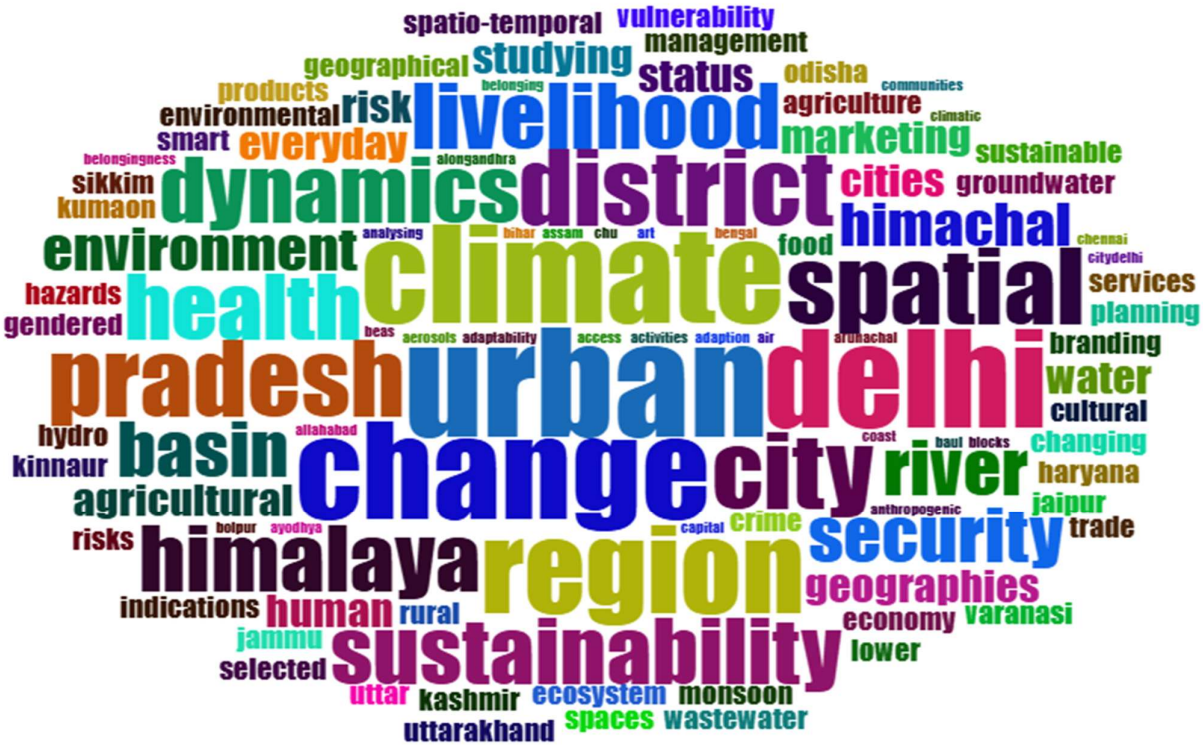

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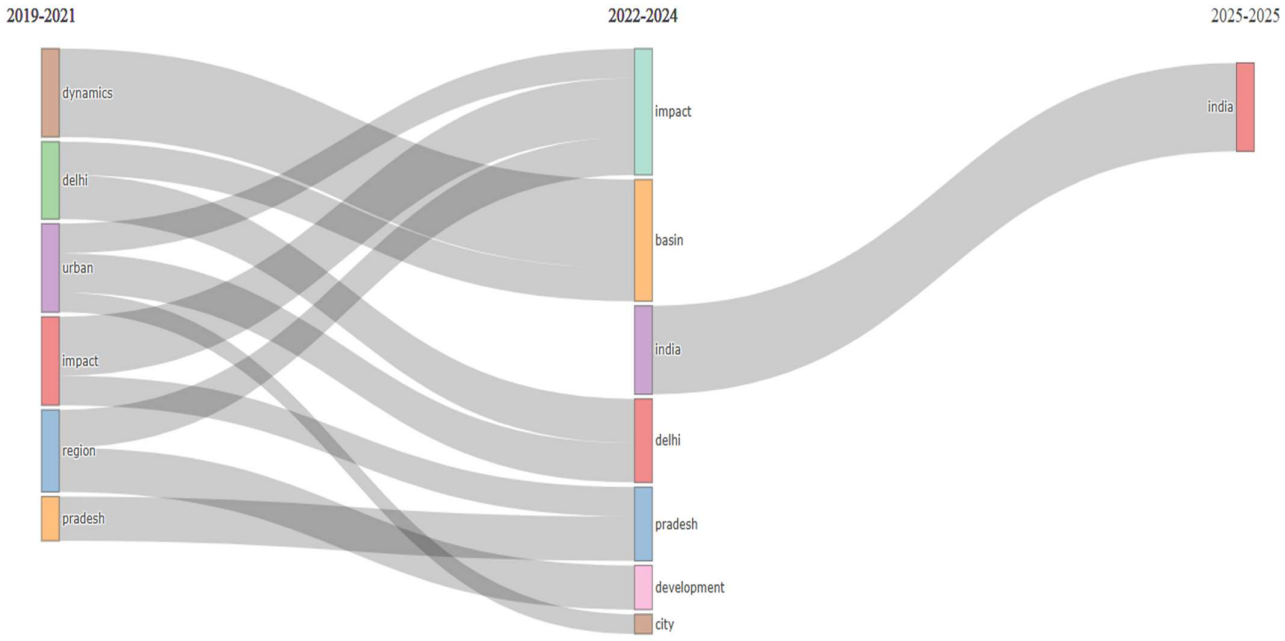

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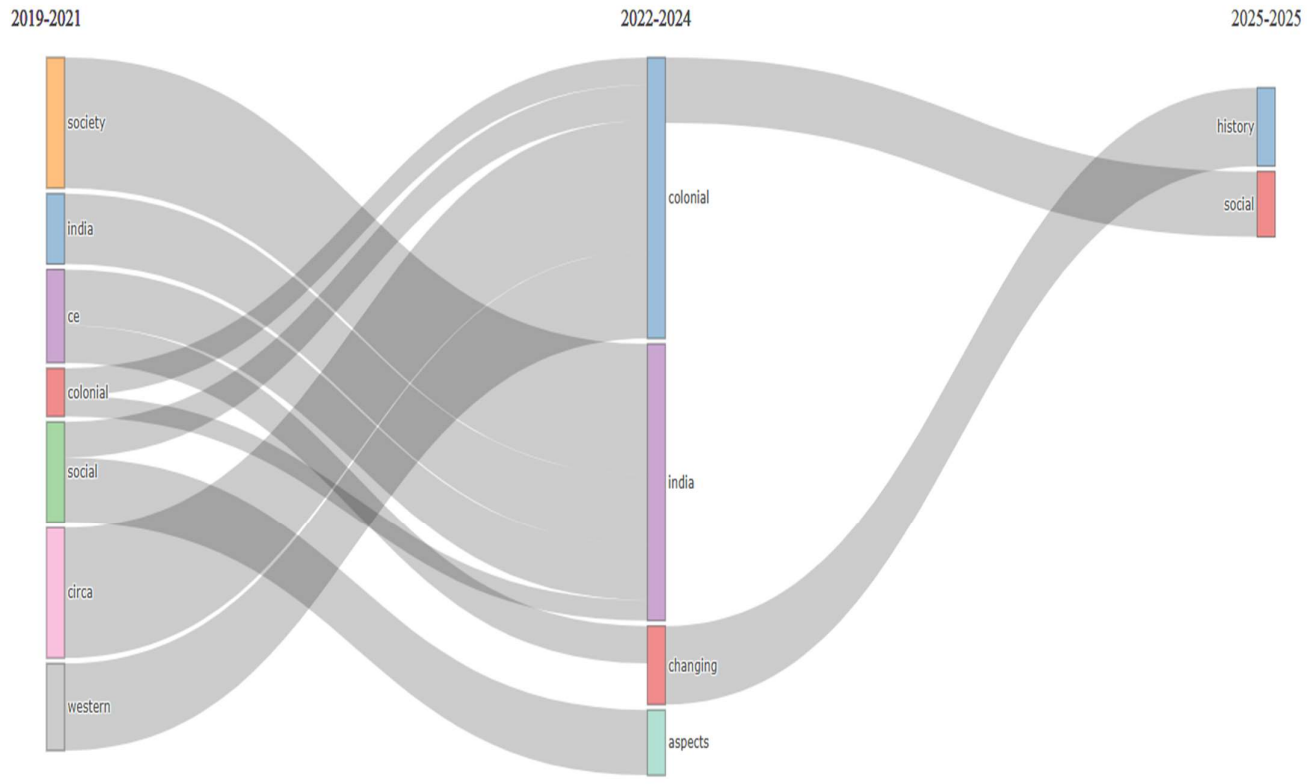

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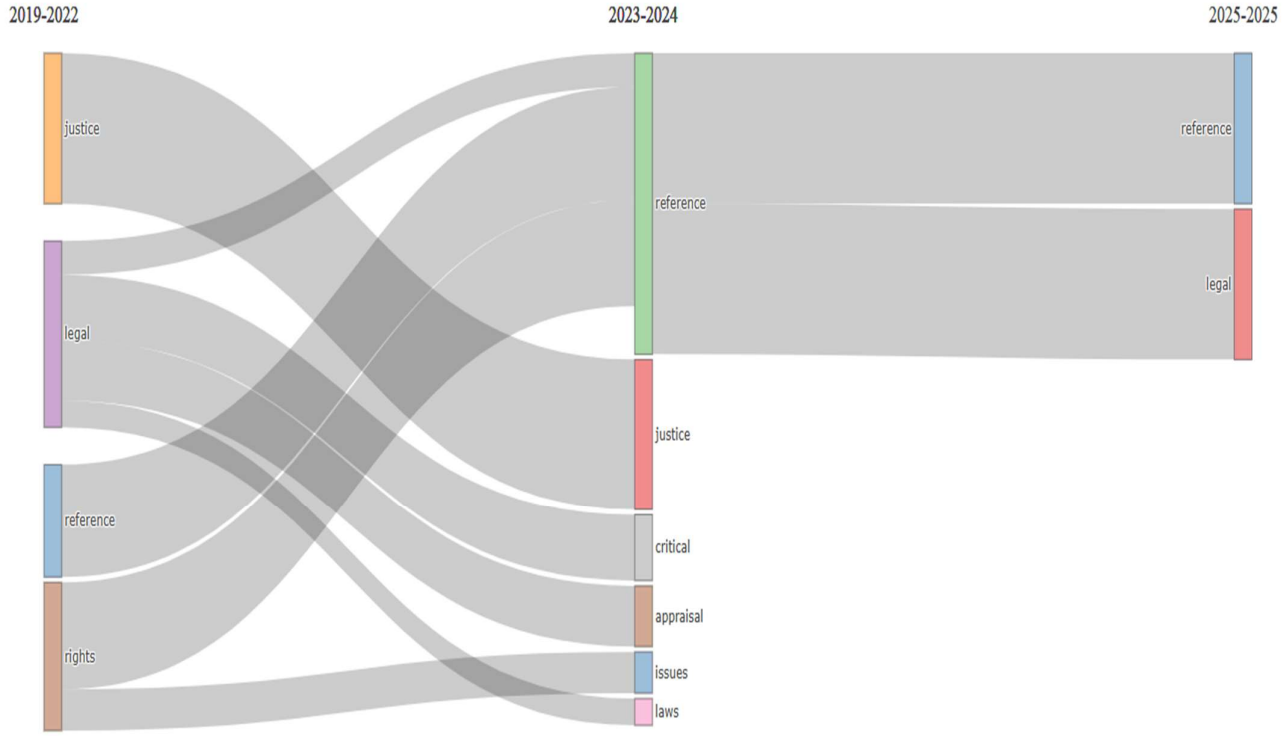

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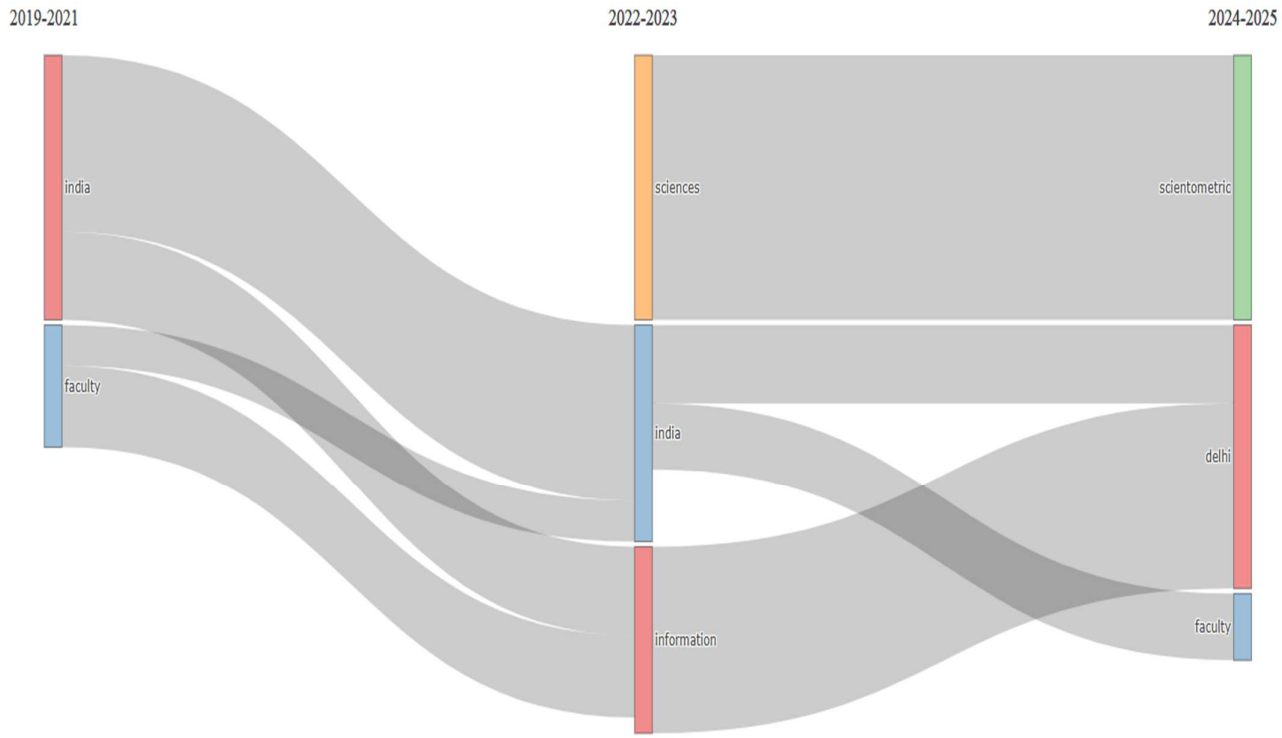

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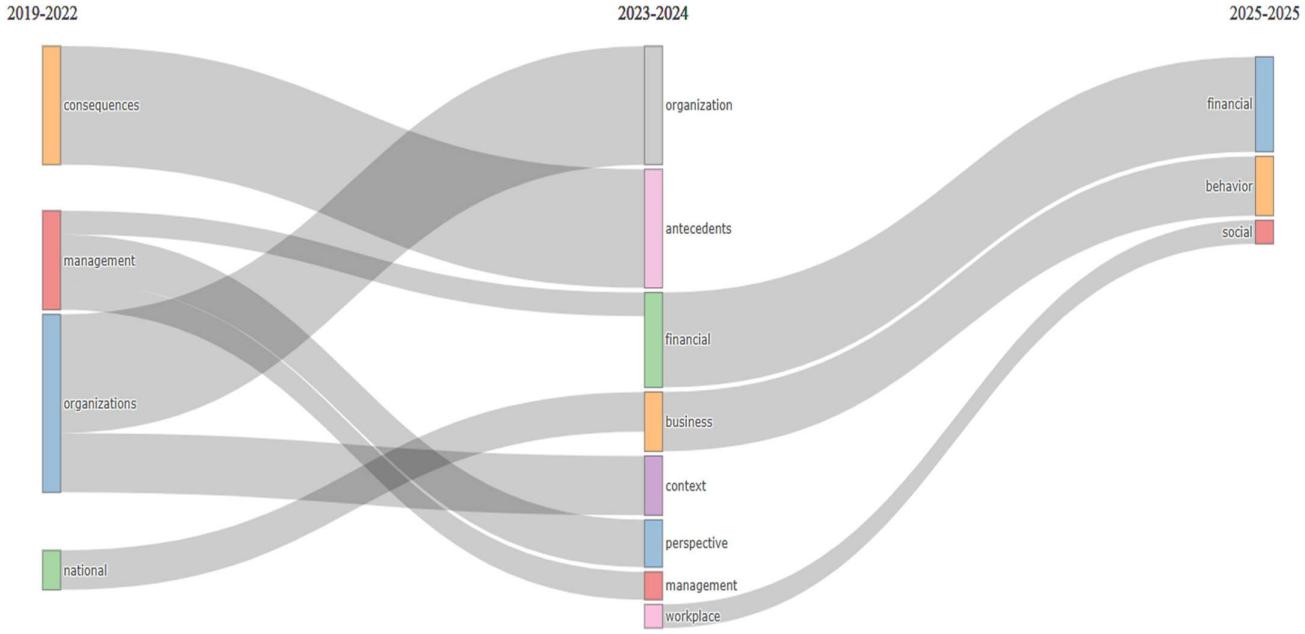

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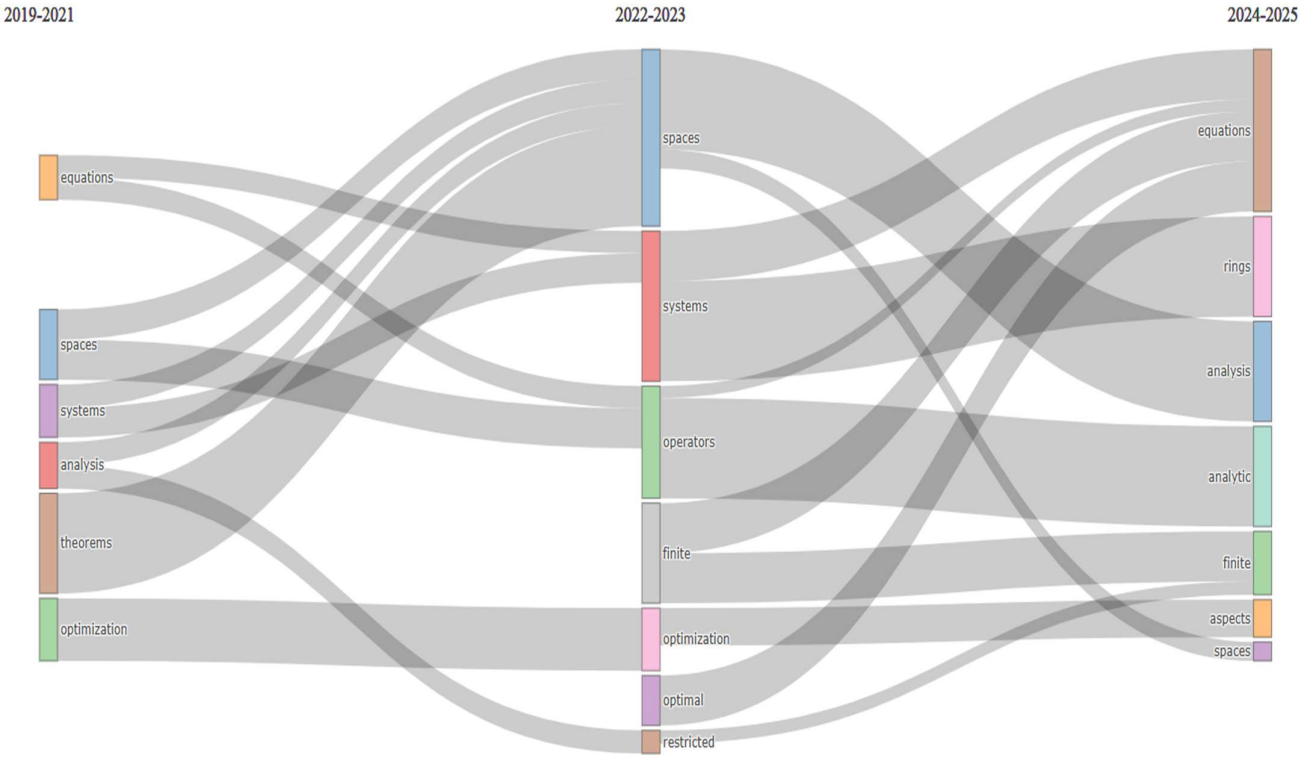

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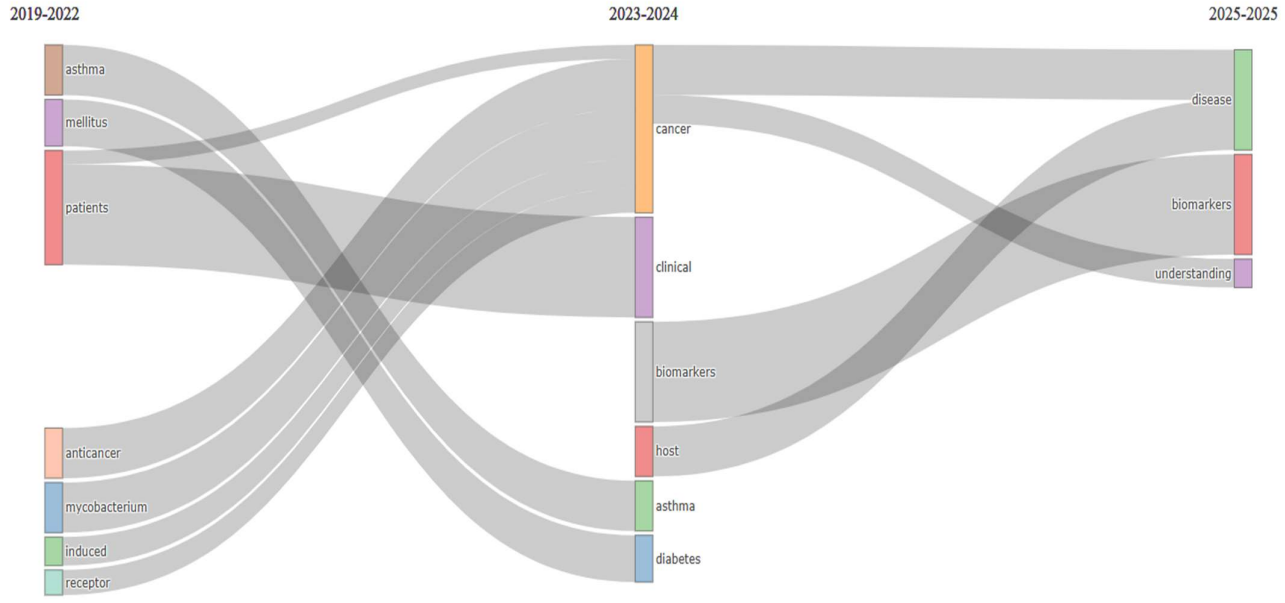

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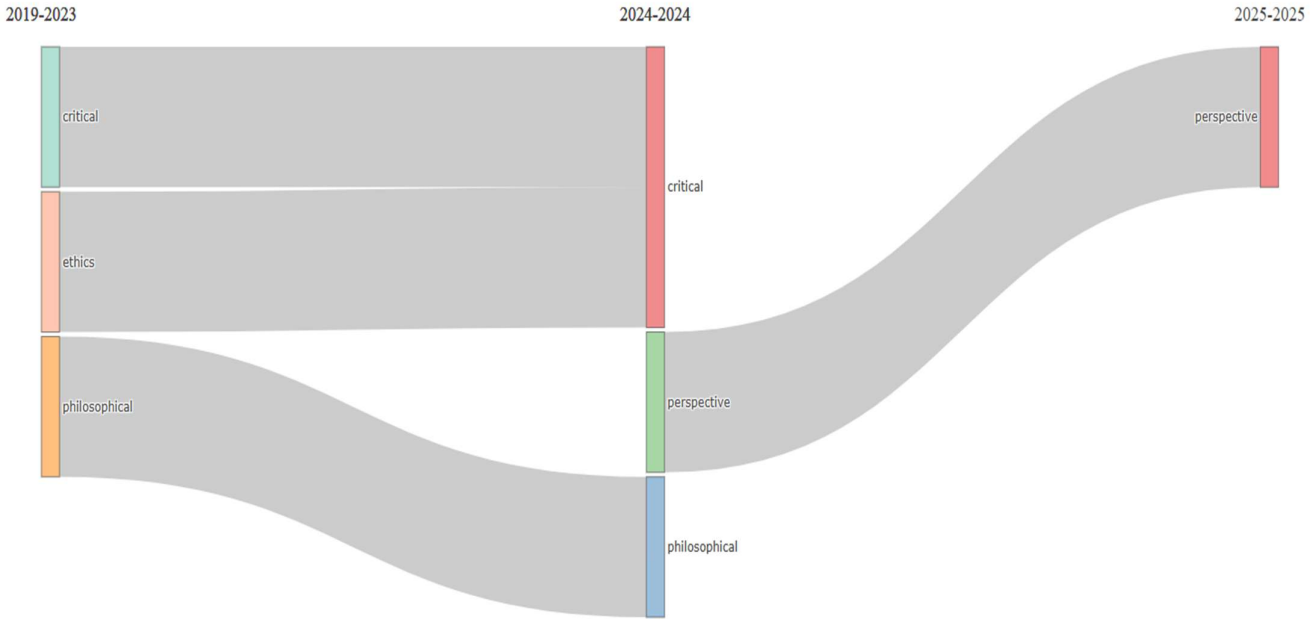

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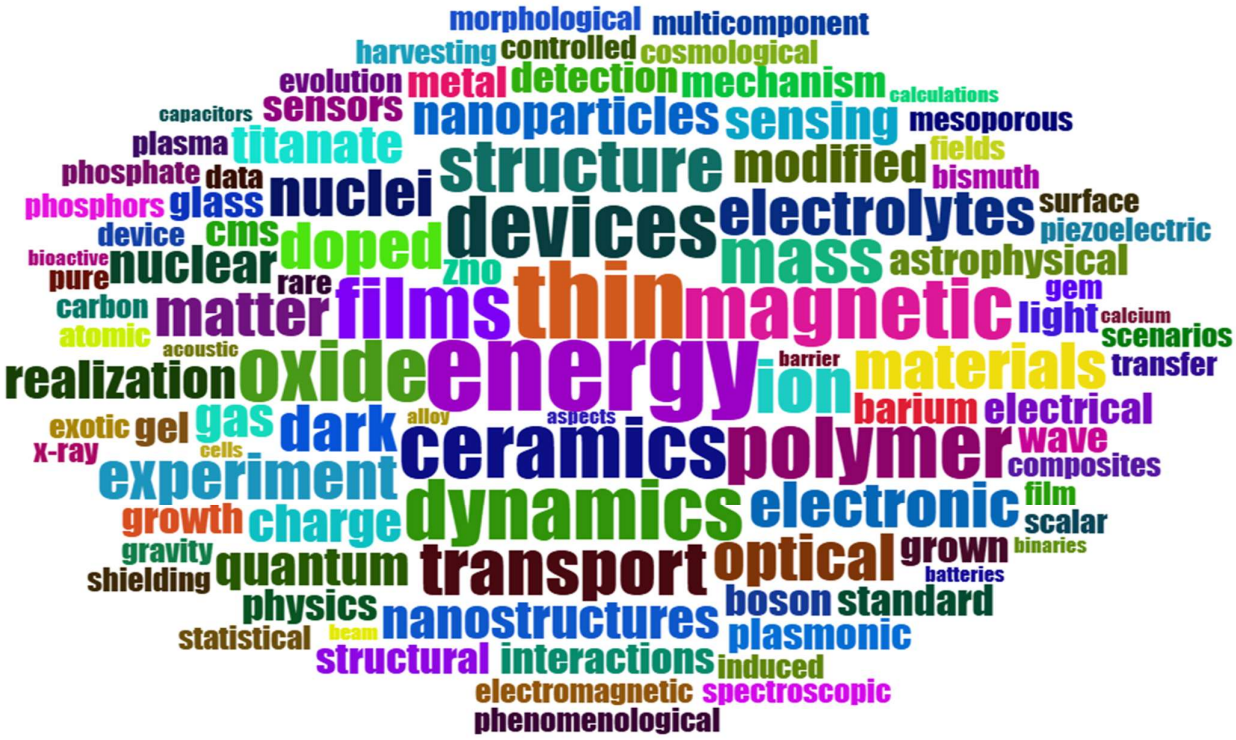

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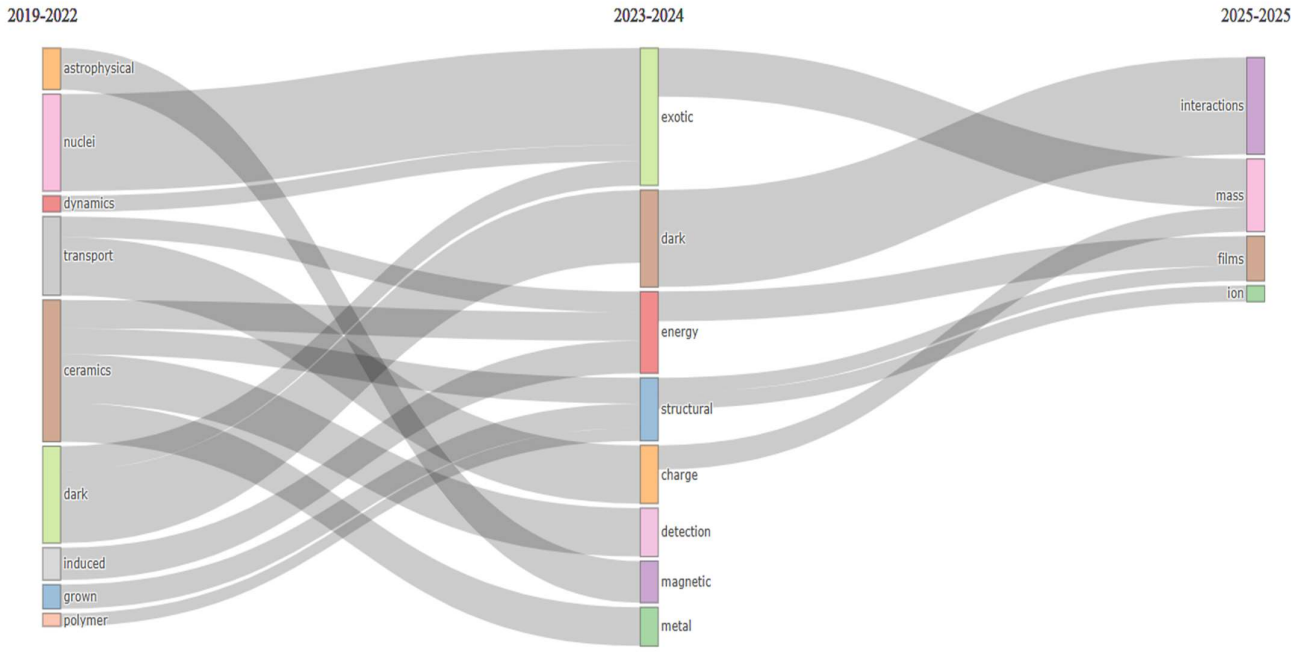

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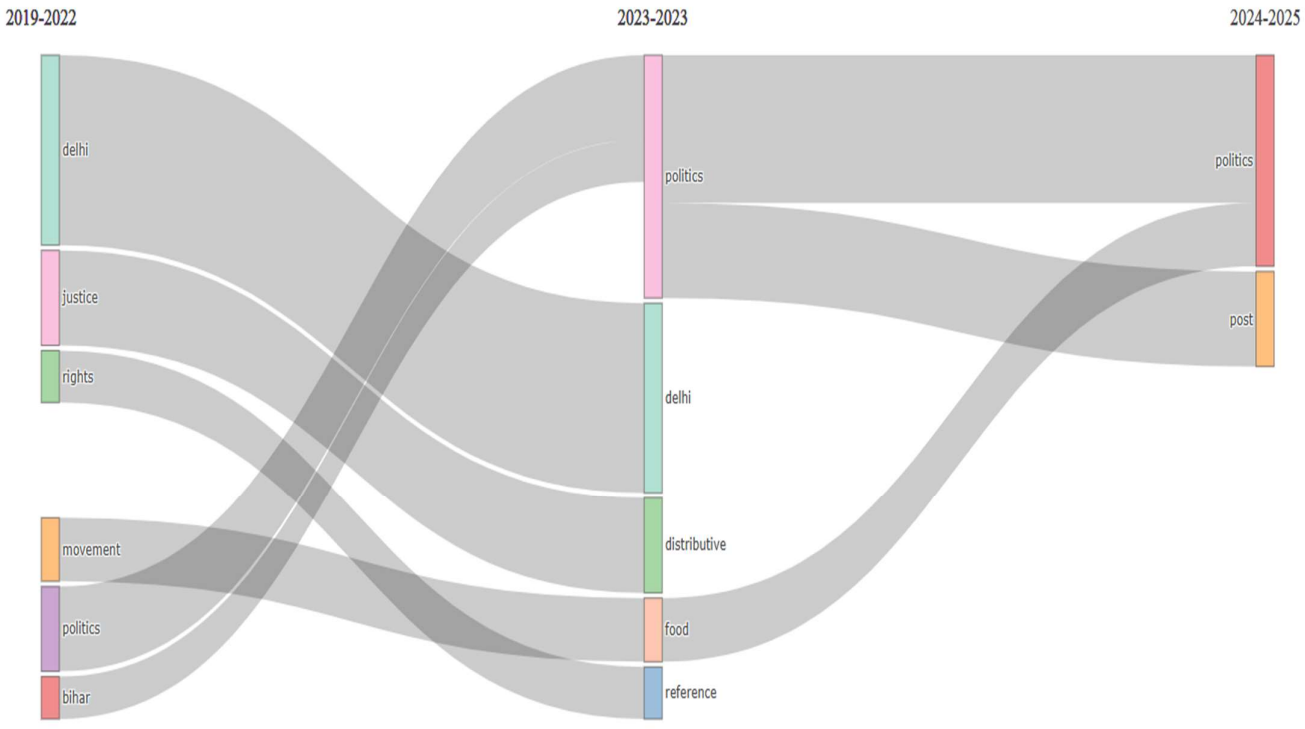

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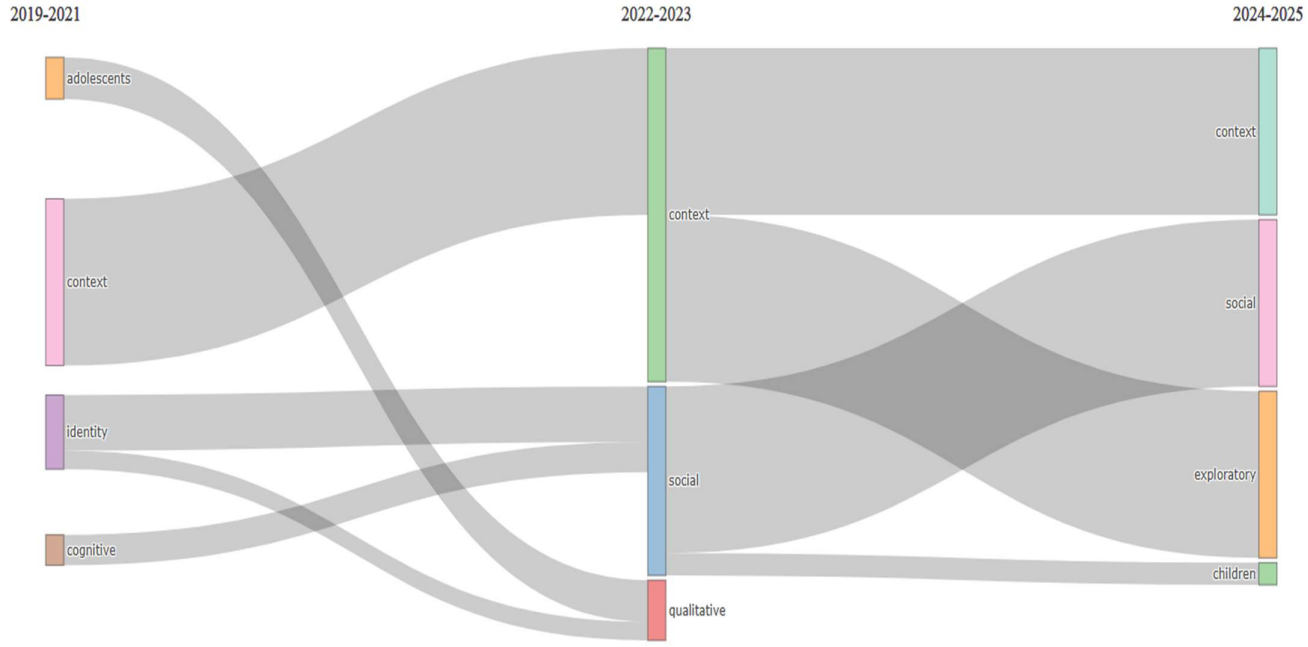

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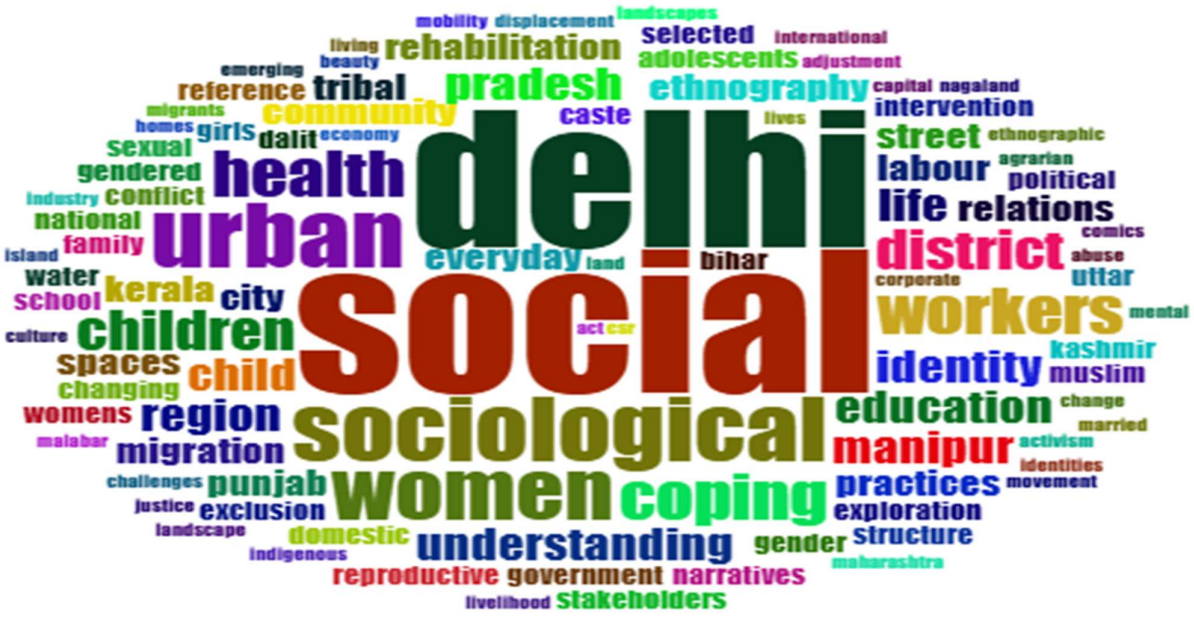

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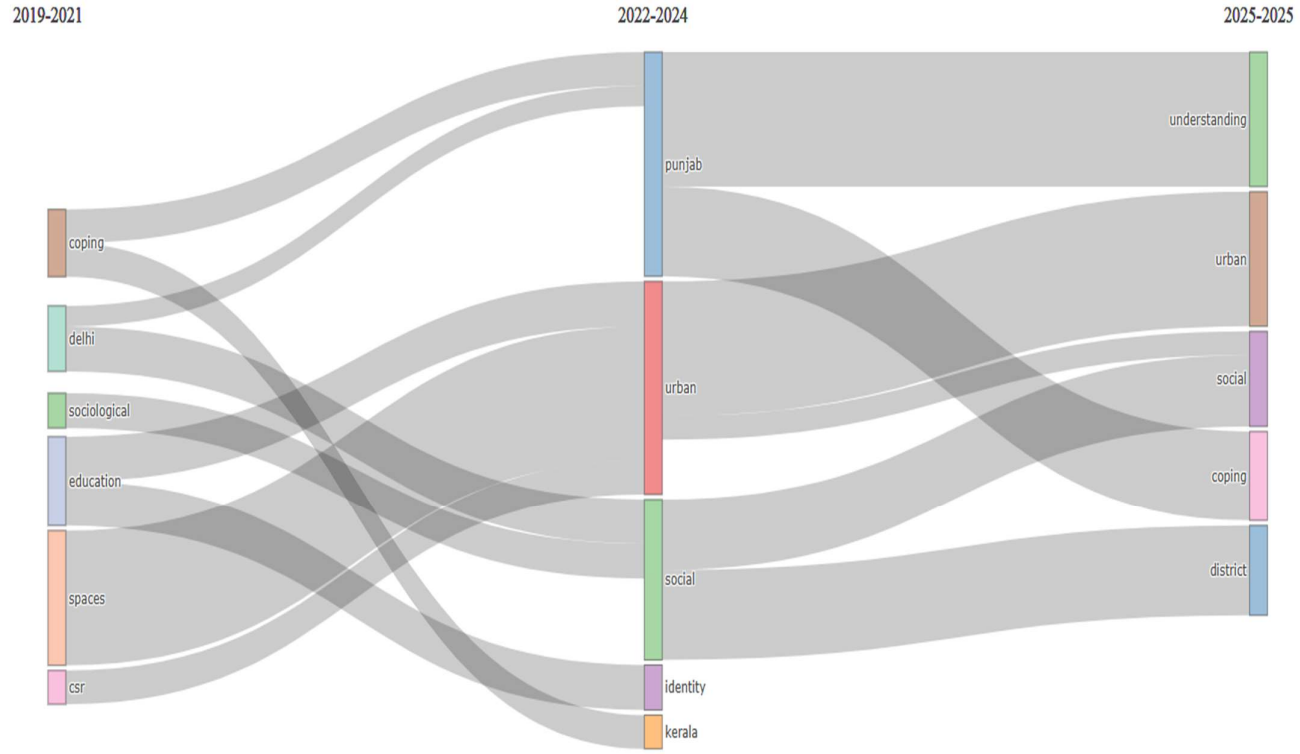

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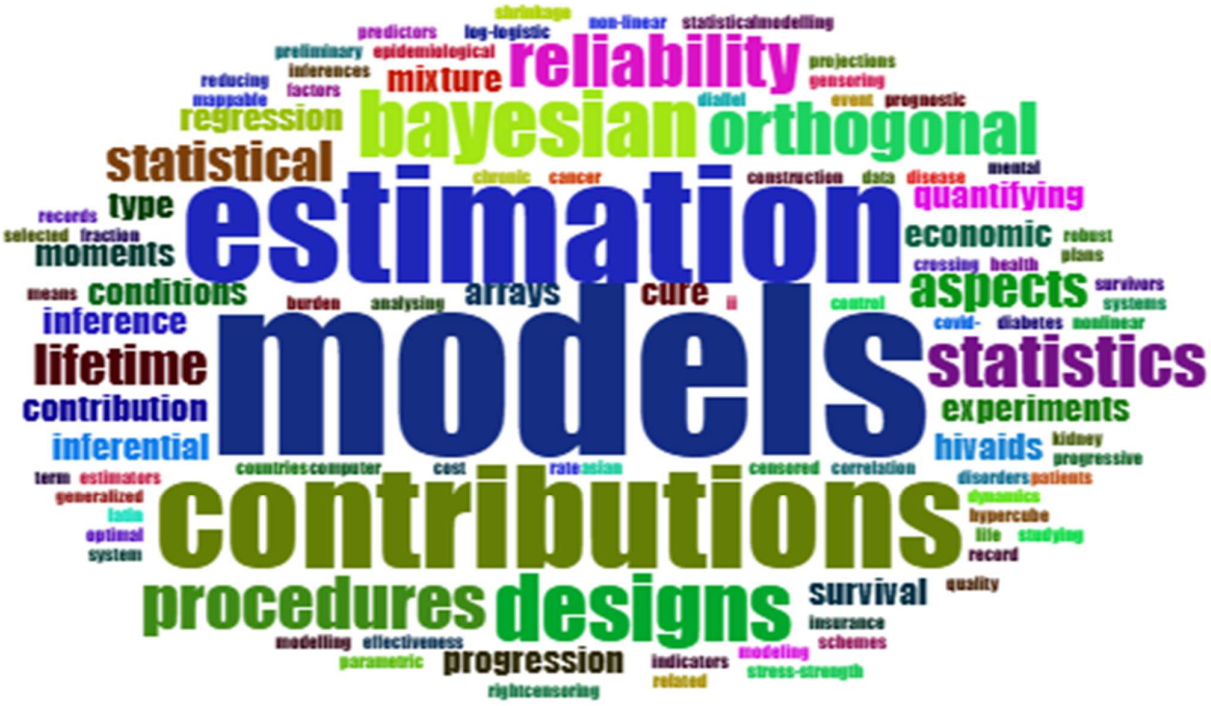

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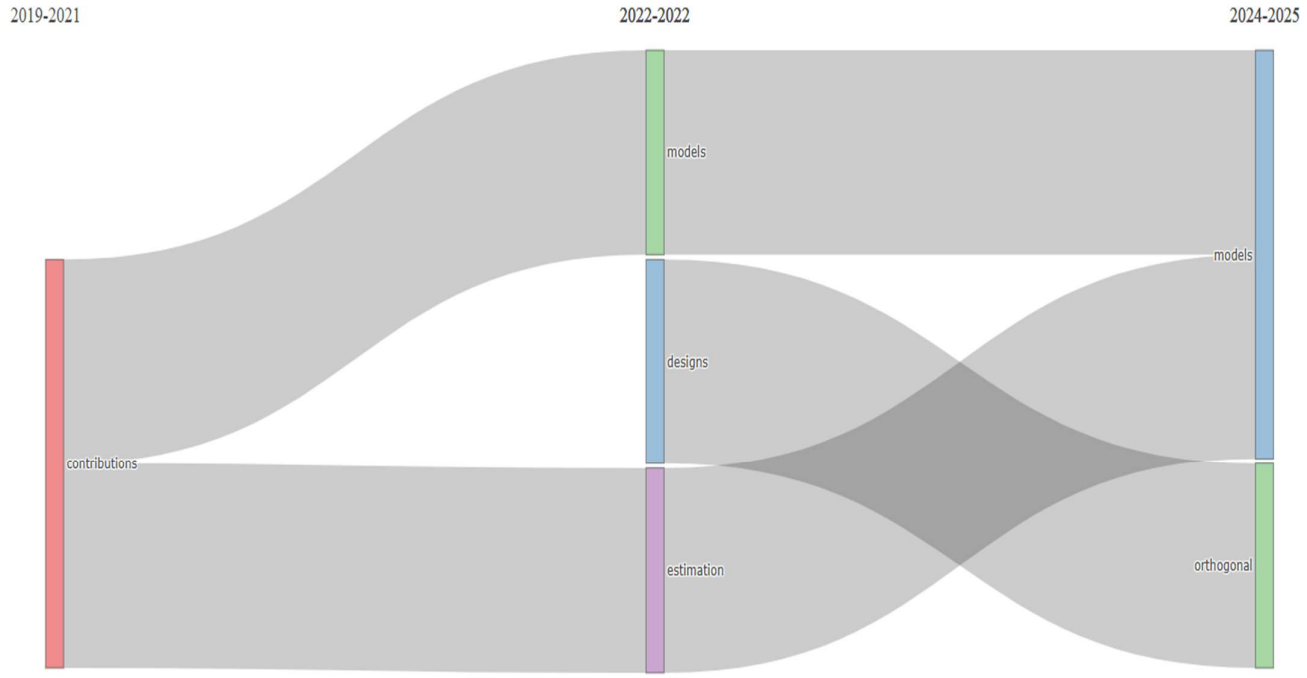

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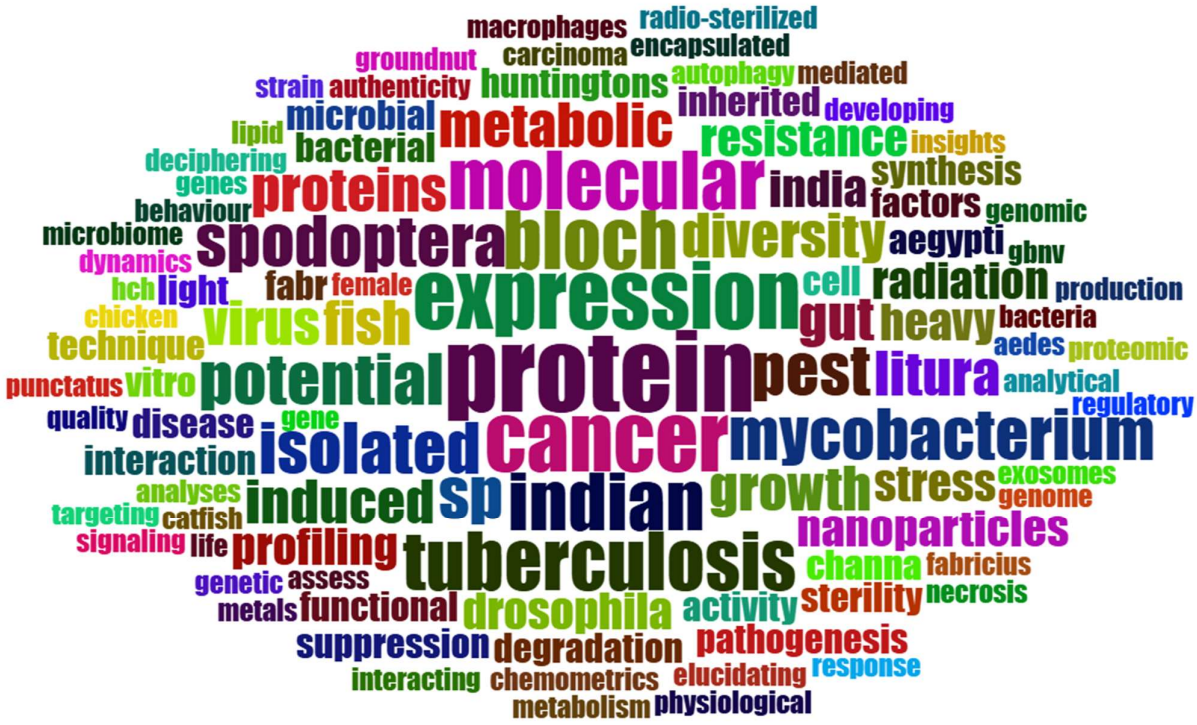

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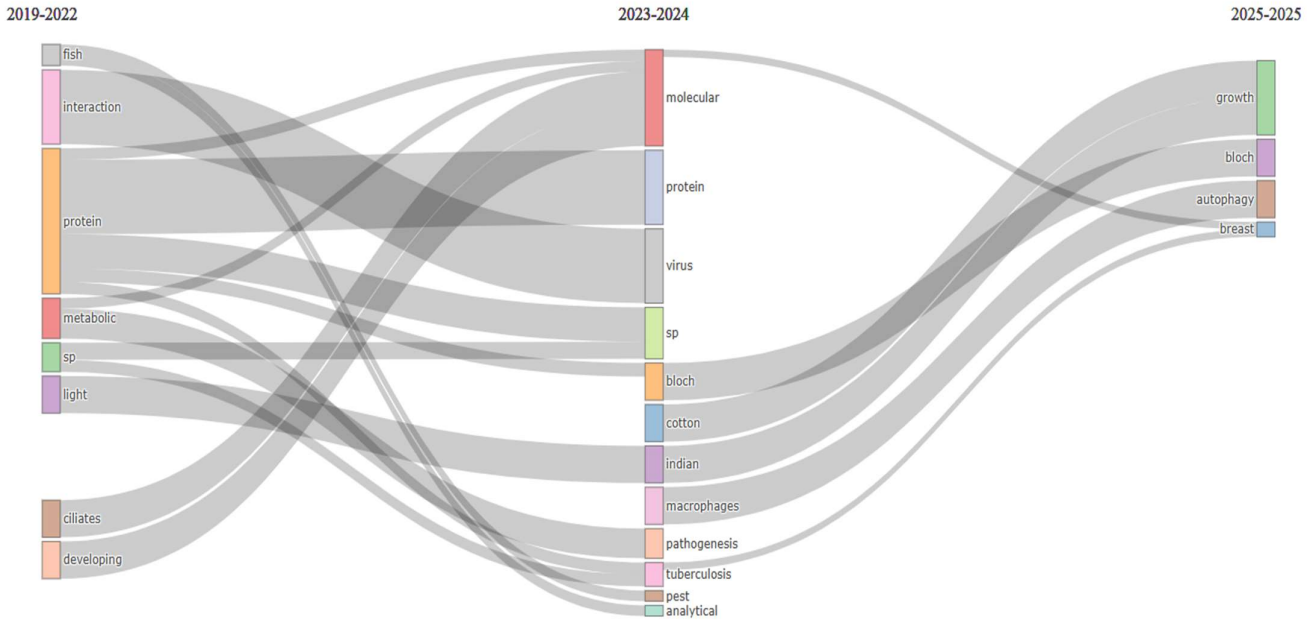

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2. ANTHROPOLOGY
3. ARABIC
4. BIOCHEMISTRY
5. BIOPHYSICS
6. BOTANY
7. BUDDHIST STUDIES
8. CHEMISTRY
9. COMMERCE
10. COMPUTER SCIENCE
11. CONTINUING EDUCATION & EXTENSION
12. EAST ASIAN STUDIES
13. ECONOMICS
14. EDUCATION
15. ELECTRONIC SCIENCE
16. ENGLISH
17. ENVIRONMENTAL STUDIES
18. FINANCIAL & BUSINESS ECONOMICS
19. GENETICS
20. GEOGRAPHY

CHAPTER DEPARTMENT/FACULTY

21. GEOLOGY
22. HINDI
23. HISTORY
24. HOME SCIENCE
25. LAW
26. LIBRARY AND INFORMATION SCIENCE
27. MANAGEMENT STUDIES
28. MATHEMATICS
29. MEDICAL SCIENCES--BIOMEDICAL RESEARCH
30. MICROBIOLOGY
31. MODERN INDIAN LANGUAGES & LITERARY STUDIES
32. MUSIC
33. OPERATIONAL RESEARCH
34. PERSIAN
35. PHILOSOPHY
36. PHYSICAL EDUCATION & SPORTS SCIENCES
37. PHYSICS AND ASTROPHYSICS
38. PLANT MOLECULAR BIOLOGY
39. POLITICAL SCIENCE
40. PSYCHOLOGY
41. PUNJABI
42. SANSKRIT
43. SLAVONIC & FINNO-UGRIAN STUDIES
44. SOCIAL WORK
45. SOCIOLOGY

CHAPTER DEPARTMENT/FACULTY

46. STATISTICS
47. TECHNOLOGY--APPLIED SCIENCES & HUMANITIES
48. TECHNOLOGY--ELECTRONICS & COMM. ENGINEERING
49. URDU
50. ZOOLOGY
51. THESES AWARDED IN THE PREVIOUS YEAR