



UNIVERSITY OF DELHI

**RESEARCH TRENDS AND TOPICAL
THEMATIC ANALYSIS
OF PhD THESES**

2016 – 2026

*Comprehensive Analysis of Research Trends and Topical Thematic
Analysis of PhD Theses Submitted in 35 major disciplines*

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February, 2026



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Executive Summary

This report presents a comprehensive analysis of PhD research in 35 Disciplines, awarded by the University of Delhi over the period 2016–2026. Using advanced Natural Language Processing and machine learning techniques, we identify dominant research themes, track their evolution, and forecast emerging trends to inform strategic decision-making.

Key Highlights

4,563 Total PhD Theses Analyzed	2016-2026 Period
35 Total Disciplines	Python-Based In-house Developed Tool Tool Used
African Studies, Anthropology, Bio-Chemistry, Botany, Buddhist Studies, Chemistry, Commerce, Computer Science, East Asian Studies, Economics, Education, Electronic Sciences, English, Environmental Studies, Genetics, Geography, Geology, History, Home Science, Law, Library Science, Management Studies, Mathematical Sciences, Medical Sciences, Microbiology, Philosophy, Physical Education, Physics and Astrophysics, Plant and Molecular Biology, Political Science, Psychology, Sociology, Statistics, Technology, Zoology	

1. Introduction

1.1 Background

The University of Delhi, esteemed for its varied academic offerings, has consistently produced research that substantially enhances global knowledge. This report presents a comprehensive analysis of PhD theses submitted in the 35 disciplines at the University of Delhi between 2016 and 2026. Using advanced Natural Language Processing (NLP) and machine learning techniques, we extract research concepts, identify thematic patterns, track temporal evolution, and forecast emerging trends, uncovering patterns that illustrate the evolving nature of academic inquiry and social demands.

1.2 Objectives

The primary objectives of this analysis are to:

- Identify the dominant research concepts and themes in 35 major disciplines of the University of Delhi
- Track the evolution of research focus areas over the 10-year period (2016-2026)
- Predict emerging trends and growth areas for the next 5 years



- Assess research diversity and provide data-driven recommendations for strategic planning

1.3 Scope

This analysis covers all PhD theses submitted between March 2016 and February 2026 across the University of Delhi's 35 disciplines. The dataset includes thesis titles, abstracts, year of completion, student names, and supervisor information.

1.4 Limitations

The current report highlights the overall landscape of SDG alignment of the PhD theses submitted to the University of Delhi (2006-2026). However, there could be several limitations to the study, as follows:

- Language Issues: PhD theses in Indian languages may have been treated inconsistently
- Data inconsistencies: We have observed several impurities in the data that are beyond rectification, and hence, there might be several inconsistencies in the analysis.
- Technical limitations: The analysis is based on sdgBERT ML model, as well as keyword matching for SDG 17. It may carry all the biases of the sdgBERT model and hence only 80-90% accuracy is claimed.

2. Methodology

2.1 Data Collection

PhD thesis data were collected from library records. For each thesis, the following information was extracted:

- Title of the Thesis
- Abstract
- Year of completion
- Keywords (extracted from the title and abstract of the theses using NLP)
- Research area/discipline

2.2 Analytical Framework

The analysis employs the Thesis Analytics Tool, which uses:

Technique	Purpose
TF-IDF Vectorization	Extract multi-word research concepts (2-4 words)
Latent Dirichlet Allocation	Discover latent topics and thematic clusters
Linear Regression	Predict concept frequency trends (5-year forecast)
Network Analysis	Map concept co-occurrence relationships
Shannon Entropy	Measure research diversity across topics



2.3 Core Technologies and Libraries Used

The Thesis Analytics Tool is built in Python, leveraging modern, industry-standard NLP, machine learning, and data-processing technologies.

Category	Technology	Purpose
Programming	Python 3.8+	Core language for NLP and data science
Web Framework	Streamlit	Rapid UI development for data applications
NLP/ML	scikit-learn	TF-IDF vectorization, LDA, Linear Regression
Data Processing	pandas, NumPy	DataFrame operations, numerical computations
Visualization	Plotly, Matplotlib	Interactive charts, word clouds
Network Analysis	NetworkX	Co-occurrence network generation and layout

2.4 High-Level System Architecture

The system follows a three-tier architecture:

Layer	Components
Presentation	Streamlit web interface with interactive visualizations (Plotly, Matplotlib)
Analytics	NLP pipeline (TF-IDF, LDA), trend prediction (Linear Regression), network analysis (NetworkX)
Data	CSV/Excel file handling (pandas), text preprocessing, in-memory processing

2.5 Data Flow

- Data Ingestion:** CSV/Excel files uploaded via web interface
- Preprocessing:** Text cleaning, normalization, column mapping
- Feature Extraction:** TF-IDF vectorization, n-gram generation
- Analysis:** Concept extraction, topic modeling, trend prediction
- Visualization:** Interactive charts, diagrams, and word clouds

3. Discipline Profile

This section provides a detailed Research Trends and Topical Thematic Analysis of PhD theses submitted between 2016 and 2026, across the University of Delhi's 35 disciplines.



3.1 African Studies

3.1.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	64
Average per Year	6.4
Peak Year (Highest Output)	2025 14 Theses

3.1.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	1.710
Diversity Level	Moderately diverse – some topic concentration
Dominant Topic Share	37.5%
Number of Active Topics	8

3.1.3 Top Research Concepts: Concept Cloud



Figure 3.1.1: African Studies: Concept Cloud showing Top Research Concepts

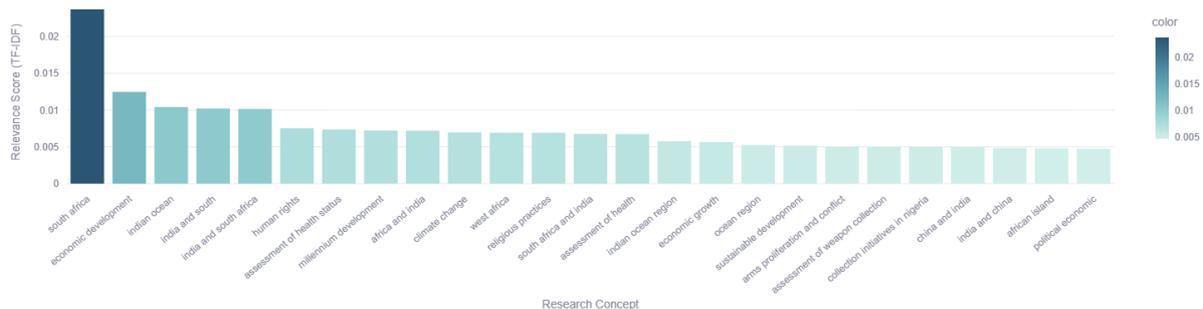


Figure 3.1.2: African Studies: Top Concepts by Relevance



3.1.4 Alluvial / Sankey Topic-Evolution Diagram

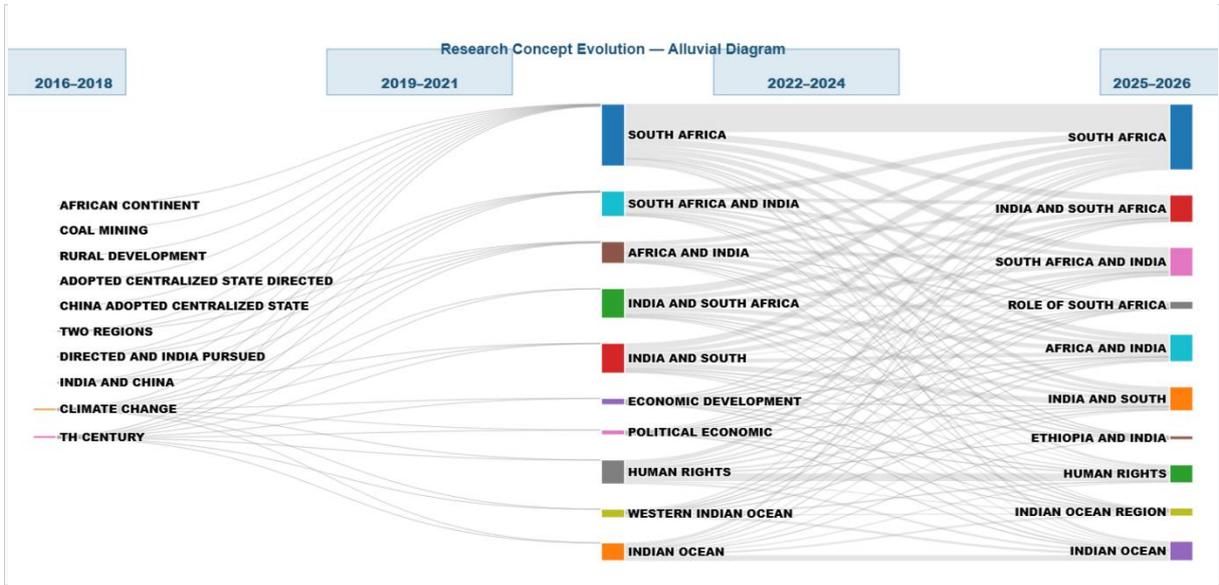


Figure 3.1.3: African Studies: Alluvial diagram showing the topic evolution over 2016-2026

3.1.5 Research Concept Co-occurrence Network

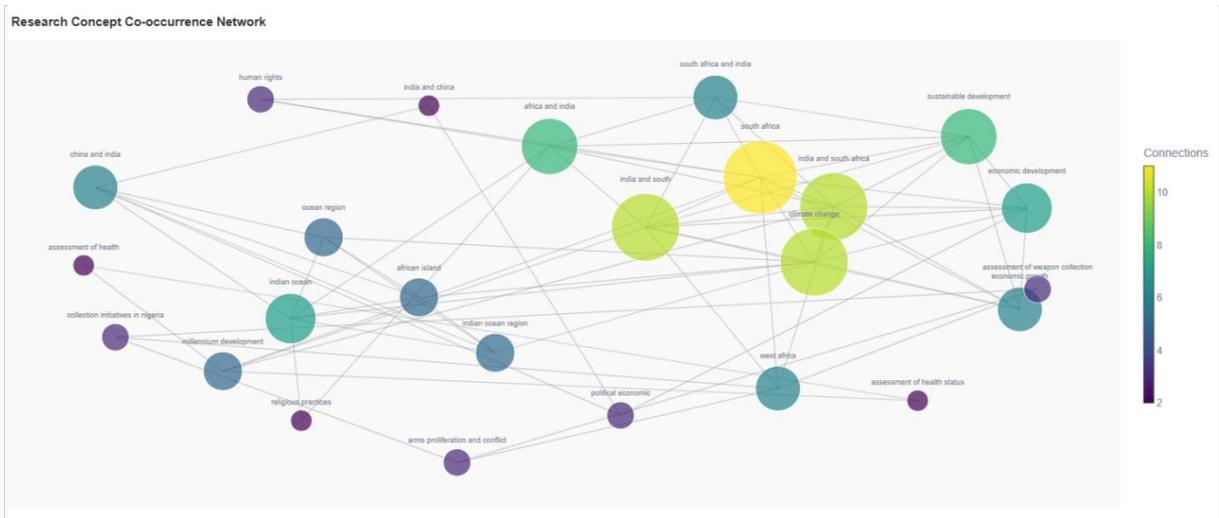


Figure 3.1.4: African Studies: Research Concept Co-occurrence Network

3.1.6 Growing and Emerging Concepts

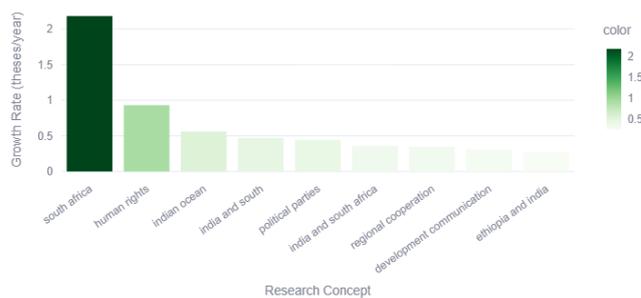


Figure 3.1.5: African Studies: Growing Research Concept



3.2.4 Alluvial / Sankey Topic-Evolution Diagram

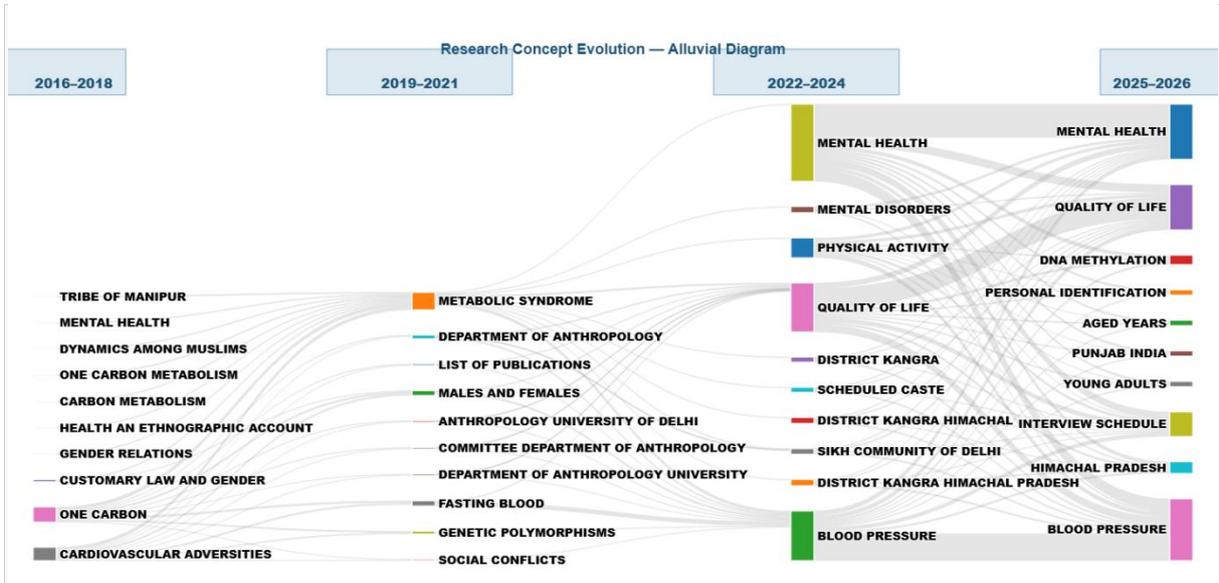


Figure 3.2.3: Anthropology: Alluvial diagram showing the topic evolution over 2016-2026

3.2.5 Research Concept Co-occurrence Network

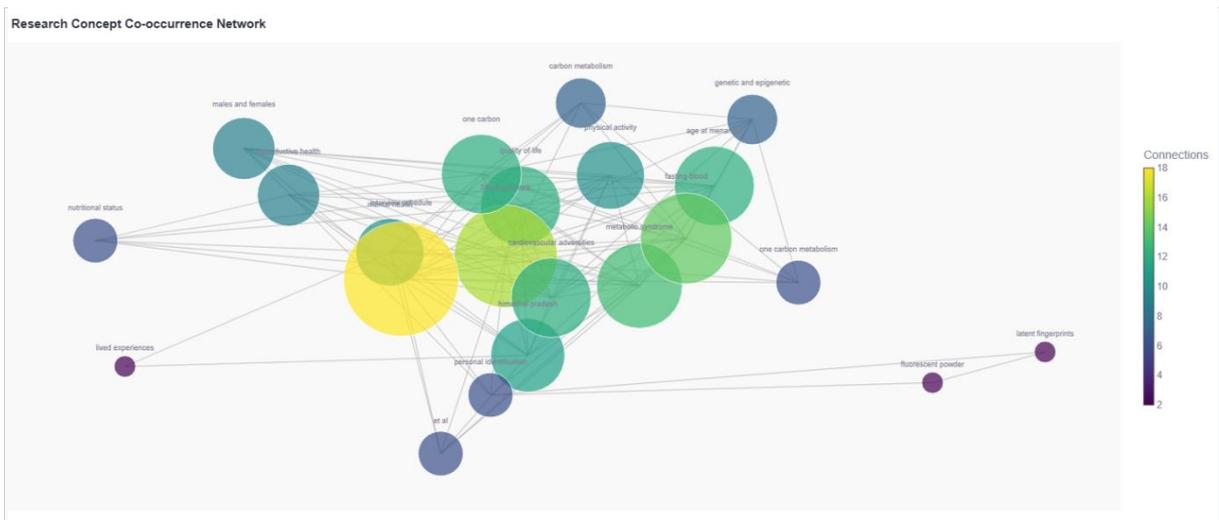


Figure 3.2.4: Anthropology: Research Concept Co-occurrence Network

3.2.6 Growing and Emerging Concepts

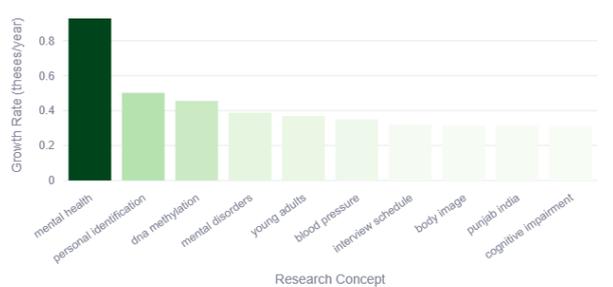


Figure 3.2.5: Anthropology: Growing Research Concept



3.3.4 Alluvial / Sankey Topic-Evolution Diagram

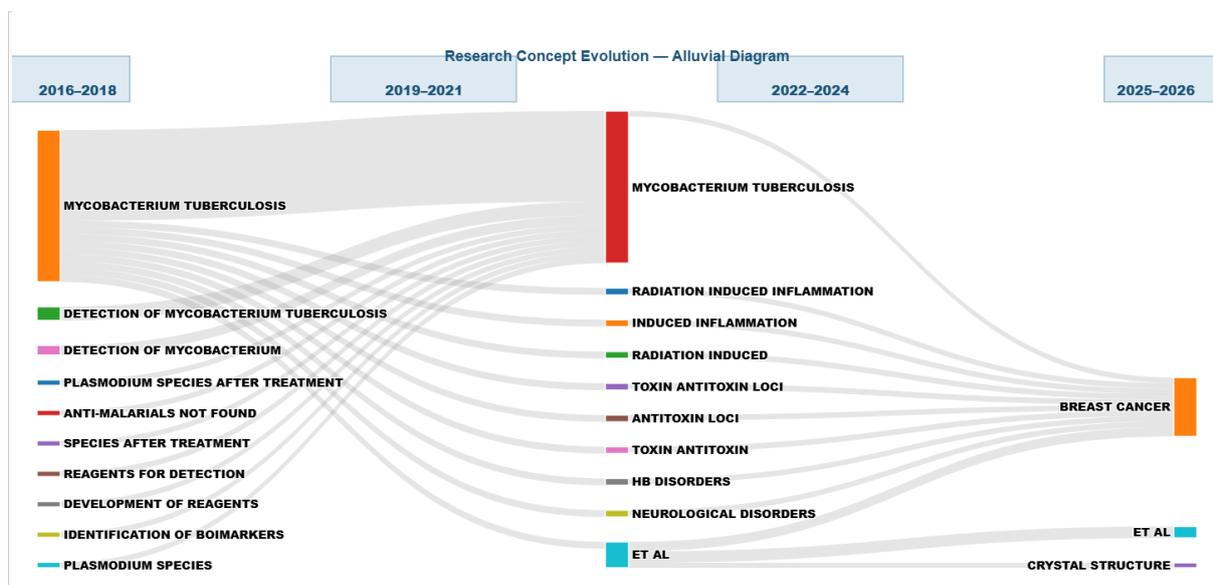


Figure 3.3.3: Bio-Chemistry: Alluvial diagram showing the topic evolution over 2016-2026

3.3.5 Research Concept Co-occurrence Network

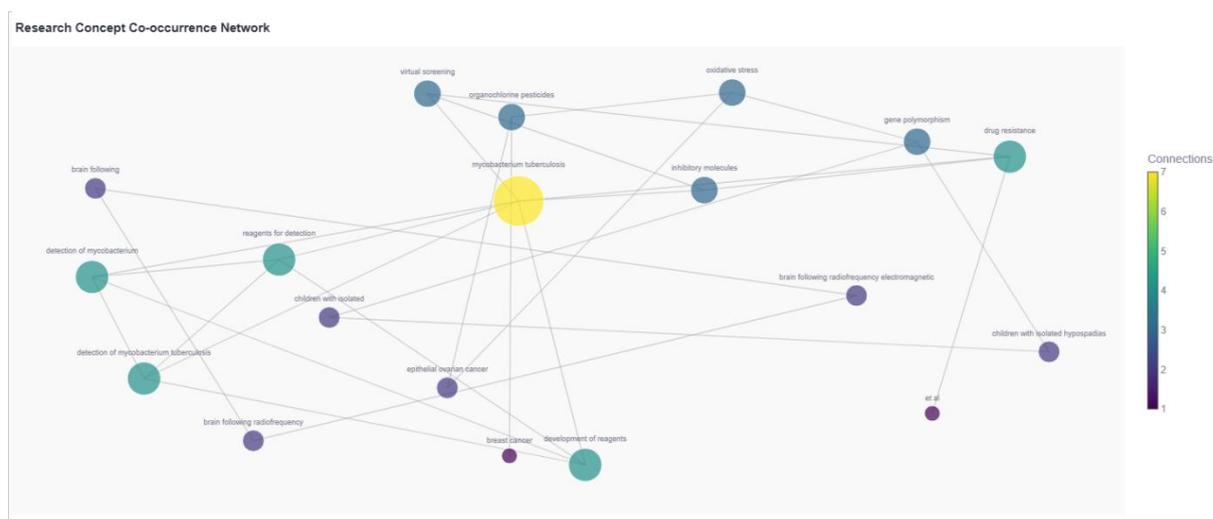


Figure 3.3.4: Bio-Chemistry: Research Concept Co-occurrence Network

3.3.6 Growing and Emerging Concepts

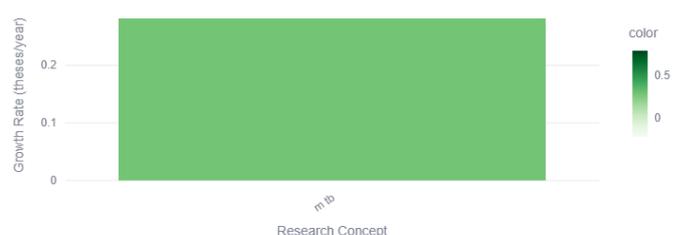


Figure 3.3.5: Bio-Chemistry: Growing Research Concept



3.4 Botany

3.4.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	162
Average per Year	16.2
Peak Year (Highest Output)	2017 22 Theses

3.4.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	1.766
Diversity Level	Moderately diverse – some topic concentration
Dominant Topic Share	29%
Number of Active Topics	7

3.4.3 Top Research Concepts: Concept Cloud

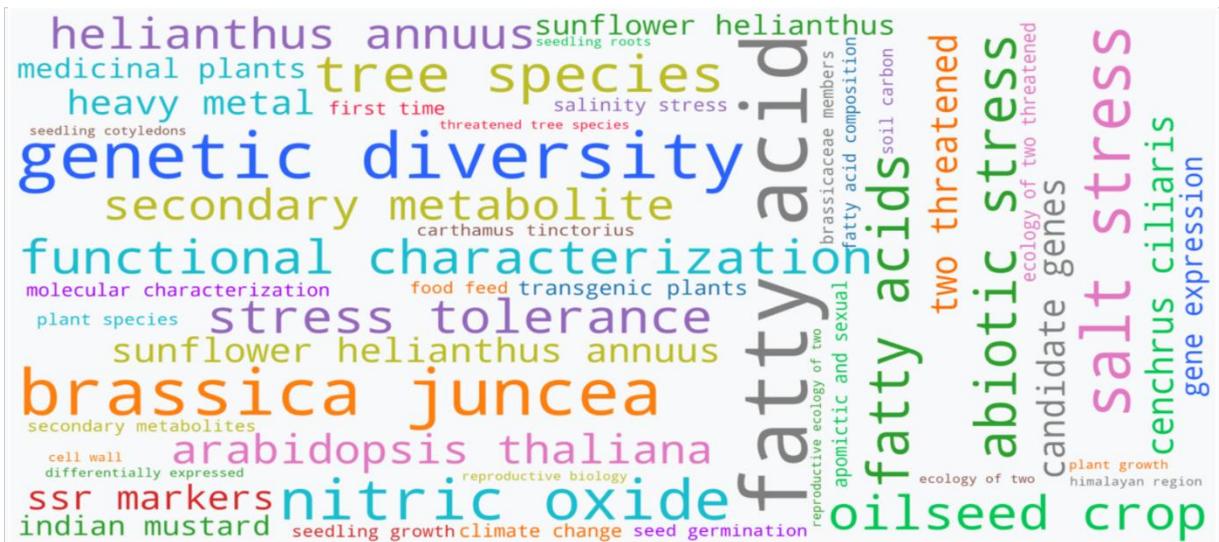


Figure 3.4.1: Botany: Concept Cloud showing Top Research Concepts

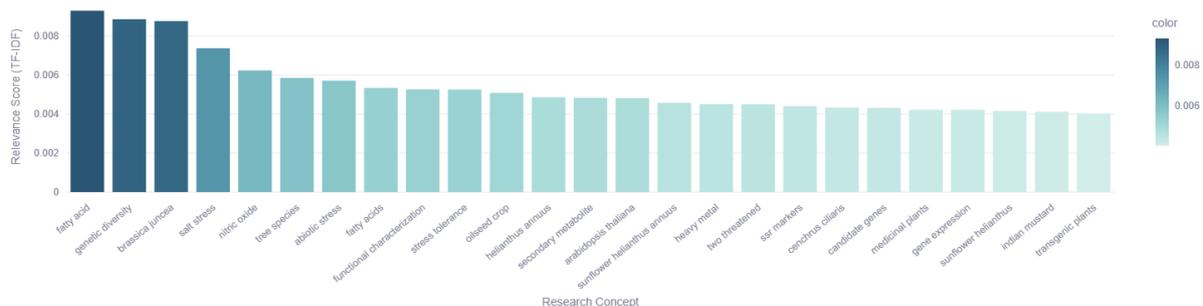


Figure 3.4.2: Botany: Top Concepts by Relevance



3.4.4 Alluvial / Sankey Topic-Evolution Diagram

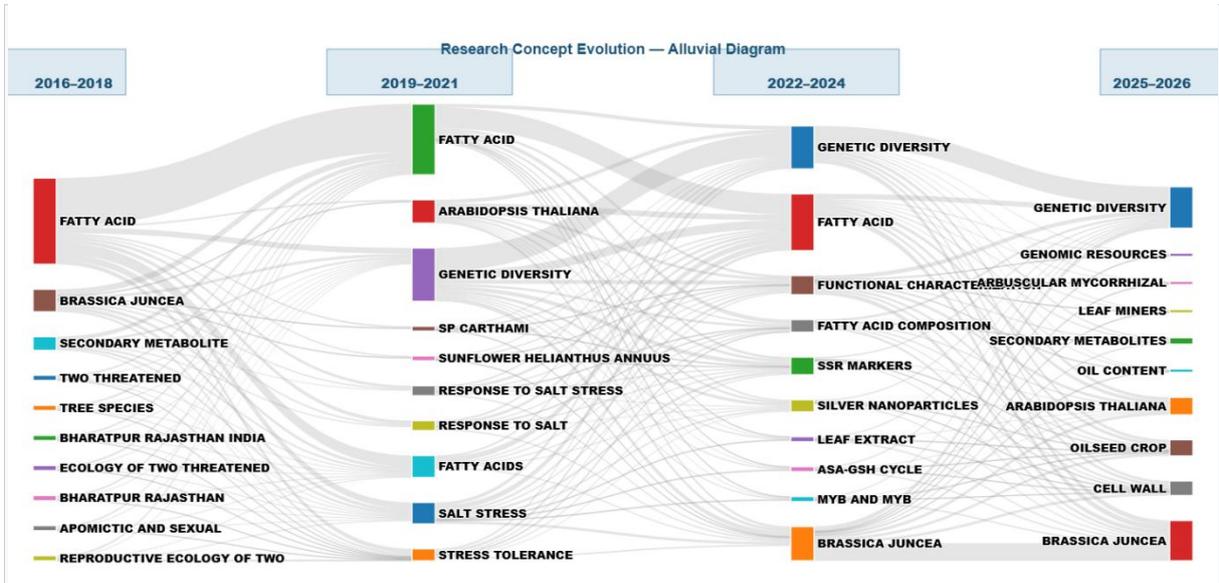


Figure 3.4.3: Botany: Alluvial diagram showing the topic evolution over 2016-2026

3.4.5 Research Concept Co-occurrence Network

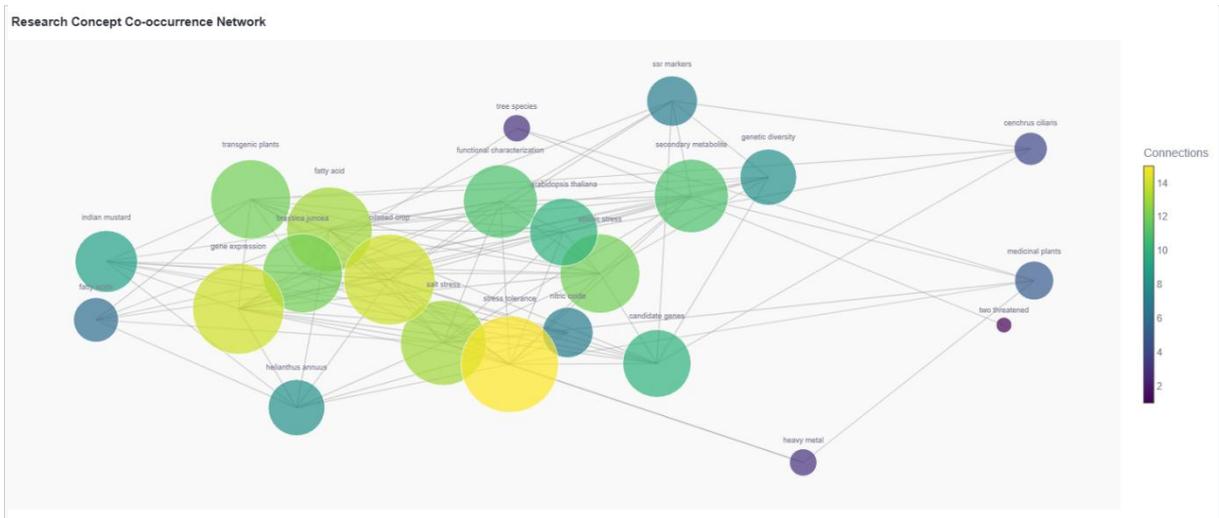


Figure 3.4.4: Botany: Research Concept Co-occurrence Network

3.4.6 Growing and Emerging Concepts

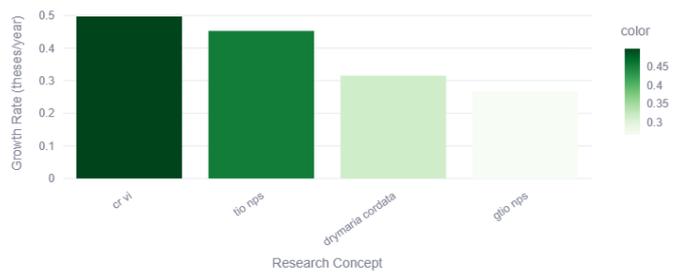


Figure 3.4.5: Botany: Growing Research Concept



3.5.4 Alluvial / Sankey Topic-Evolution Diagram

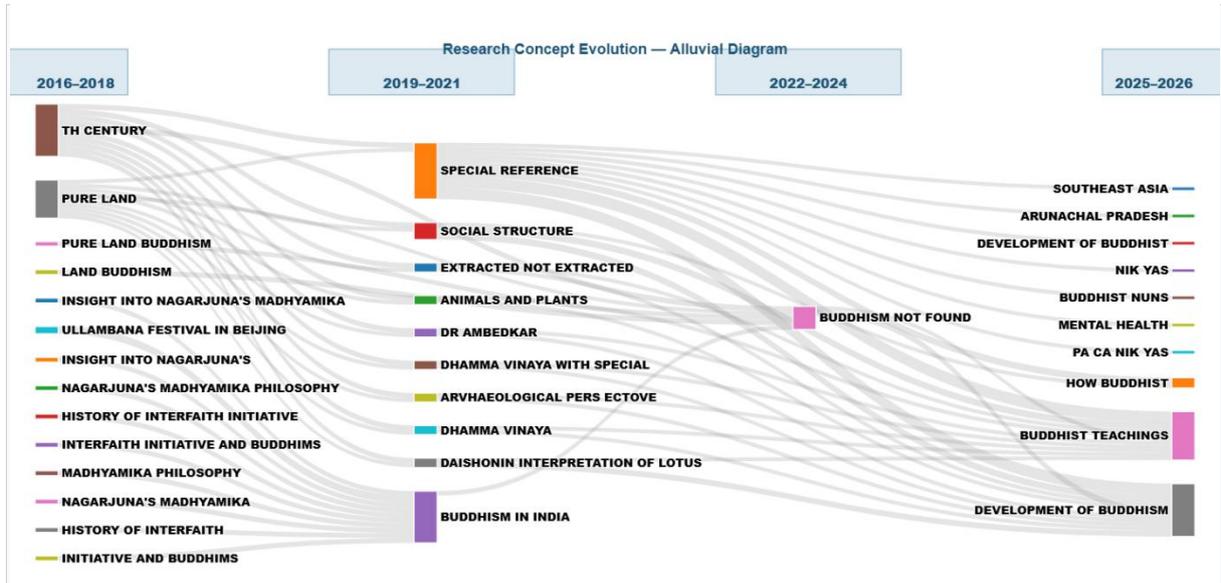


Figure 3.5.3: Buddhist Studies: Alluvial diagram showing the topic evolution over 2016-2026

3.5.5 Research Concept Co-occurrence Network

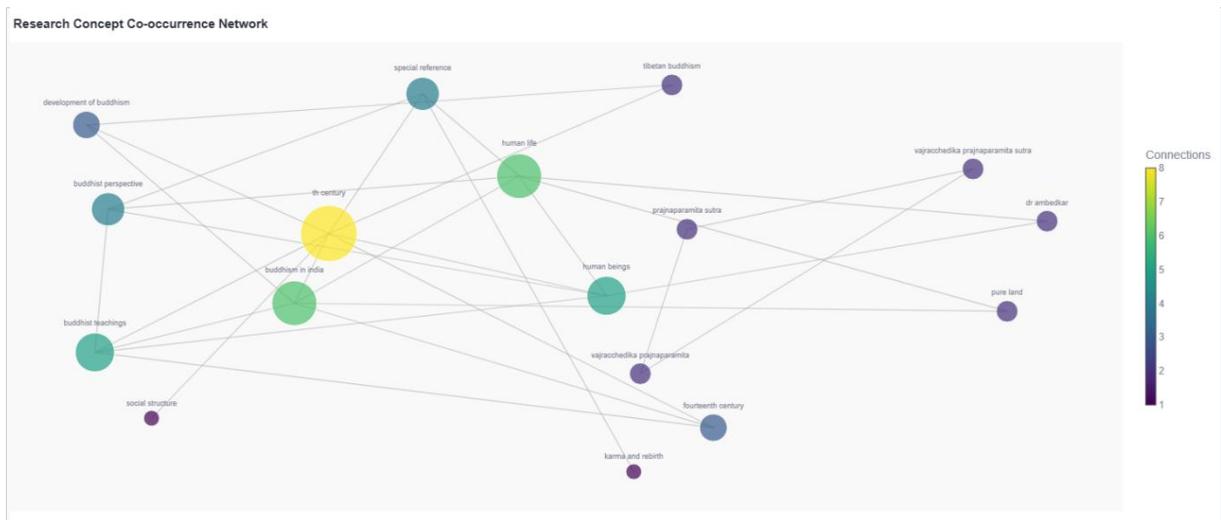


Figure 3.5.4: Buddhist Studies: Research Concept Co-occurrence Network

3.5.6 Growing and Emerging Concepts

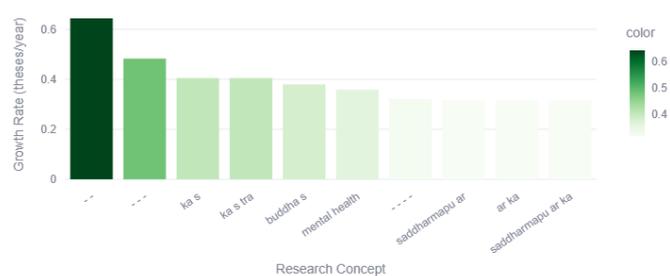


Figure 3.5.5: Buddhist Studies: Growing Research Concept



3.6.4 Alluvial / Sankey Topic-Evolution Diagram

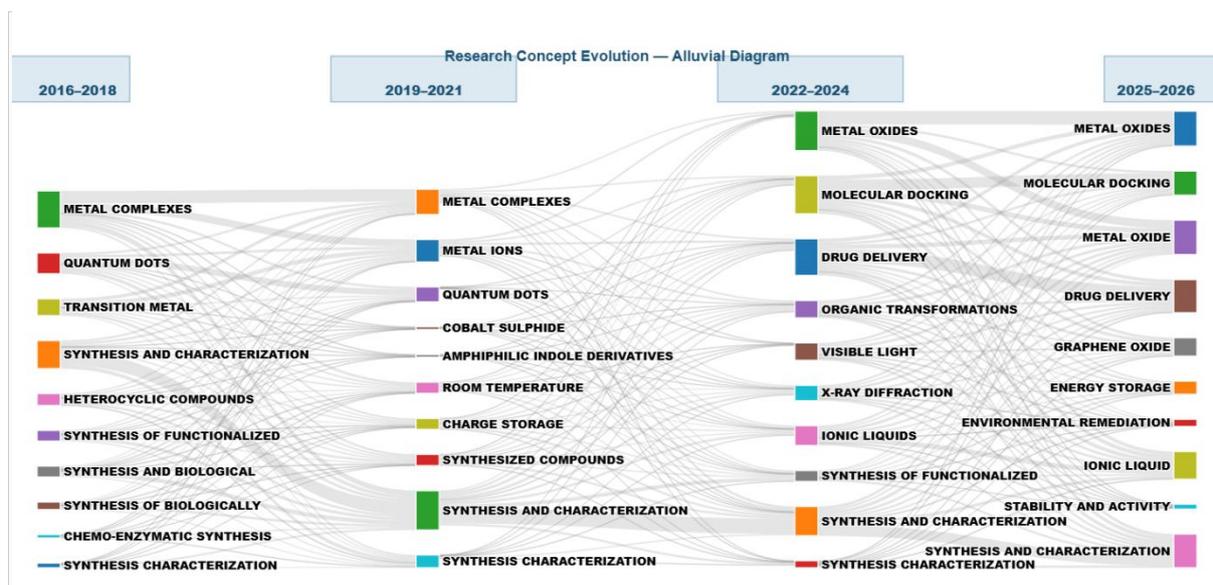


Figure 3.6.3: Chemistry: Alluvial diagram showing the topic evolution over 2016-2026

3.6.5 Research Concept Co-occurrence Network

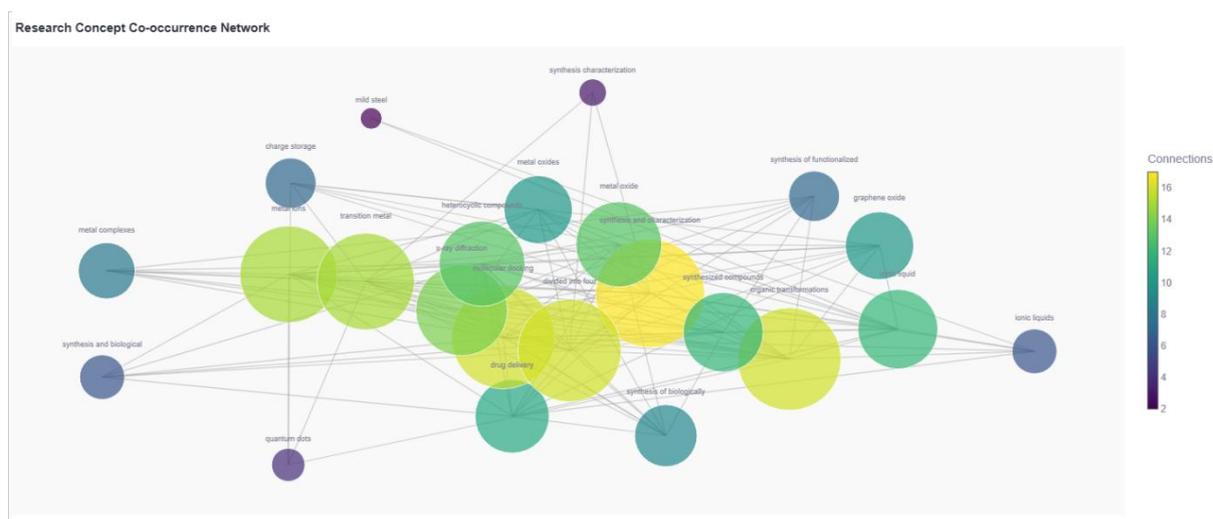


Figure 3.6.4: Chemistry: Research Concept Co-occurrence Network

3.6.6 Growing and Emerging Concepts

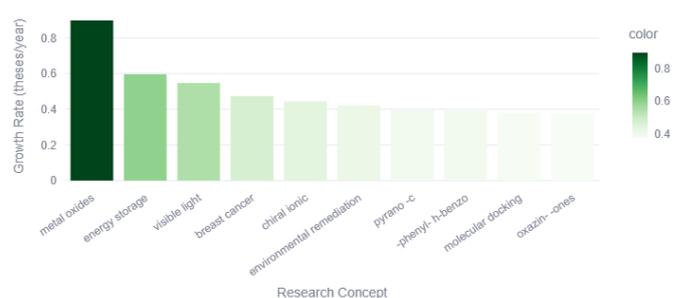


Figure 3.6.5: Chemistry: Growing Research Concept



3.7.4 Alluvial / Sankey Topic-Evolution Diagram

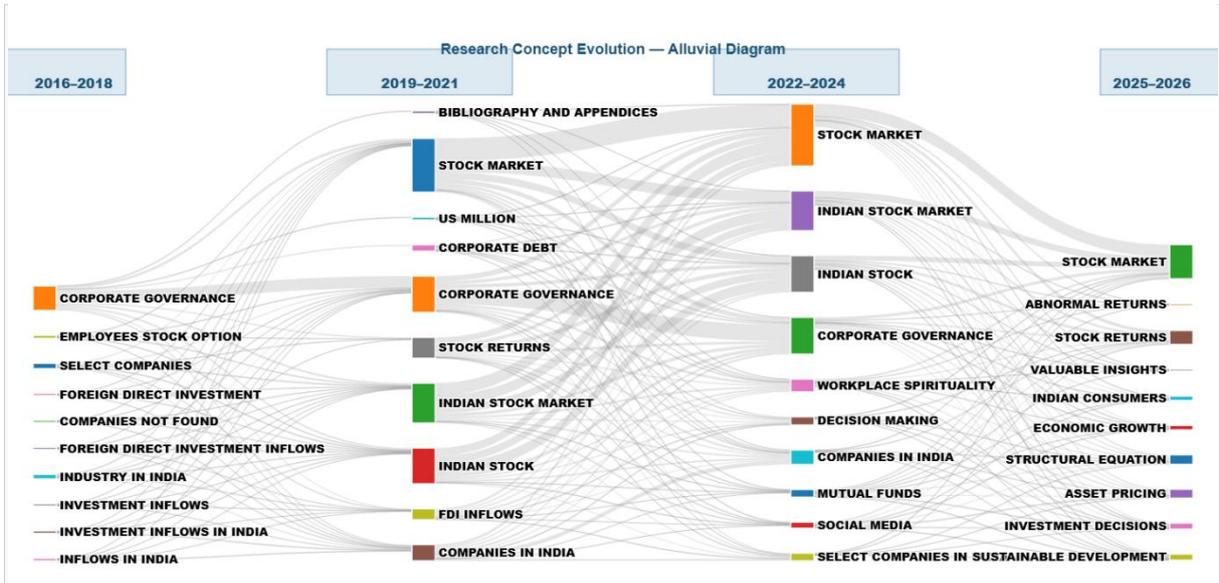


Figure 3.7.3: Commerce: Alluvial diagram showing the topic evolution over 2016-2026

3.7.5 Research Concept Co-occurrence Network

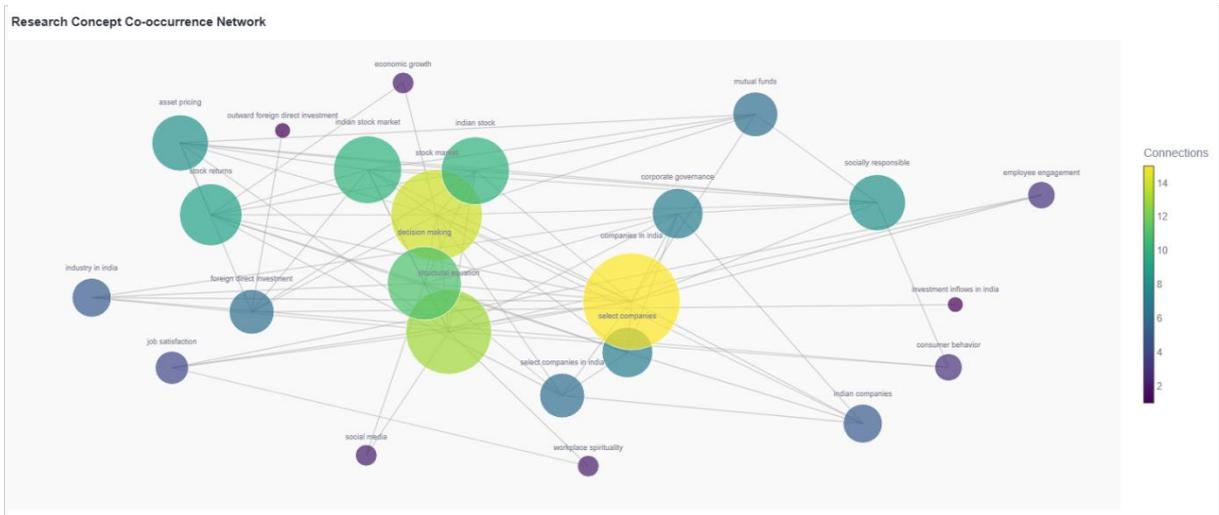


Figure 3.7.4: Commerce: Research Concept Co-occurrence Network

3.7.6 Growing and Emerging Concepts

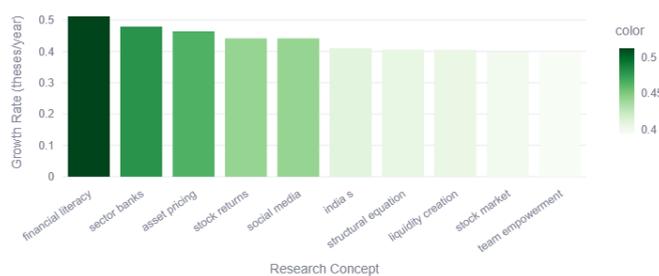


Figure 3.7.5: Commerce: Growing Research Concept



3.8.4 Alluvial / Sankey Topic-Evolution Diagram

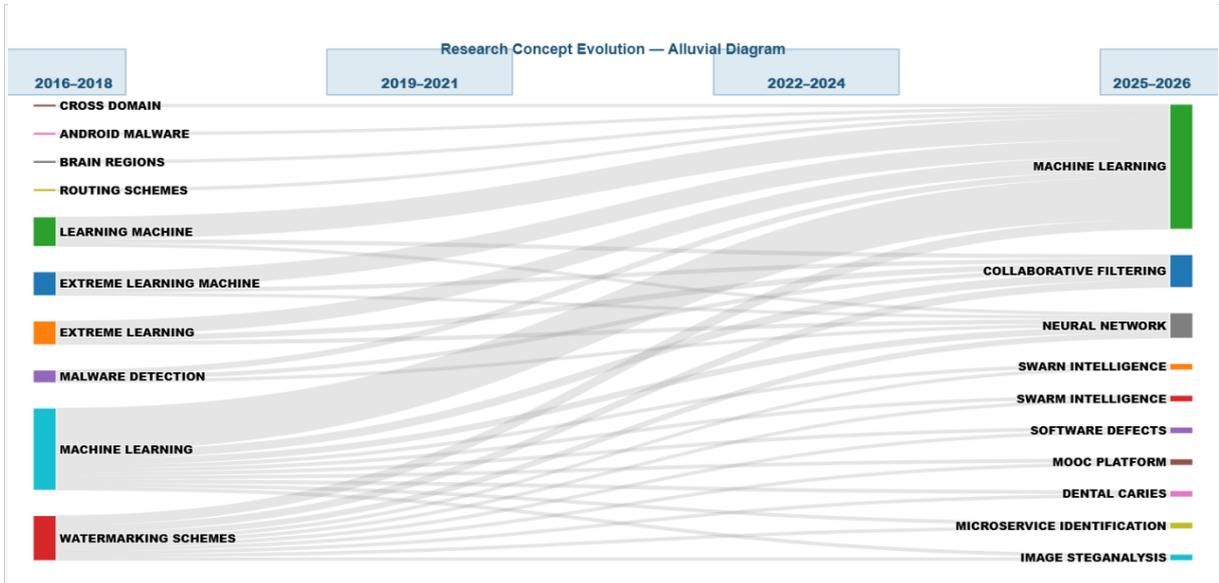


Figure 3.8.3: Computer Science: Alluvial diagram showing the topic evolution over 2016-2026

3.8.5 Research Concept Co-occurrence Network

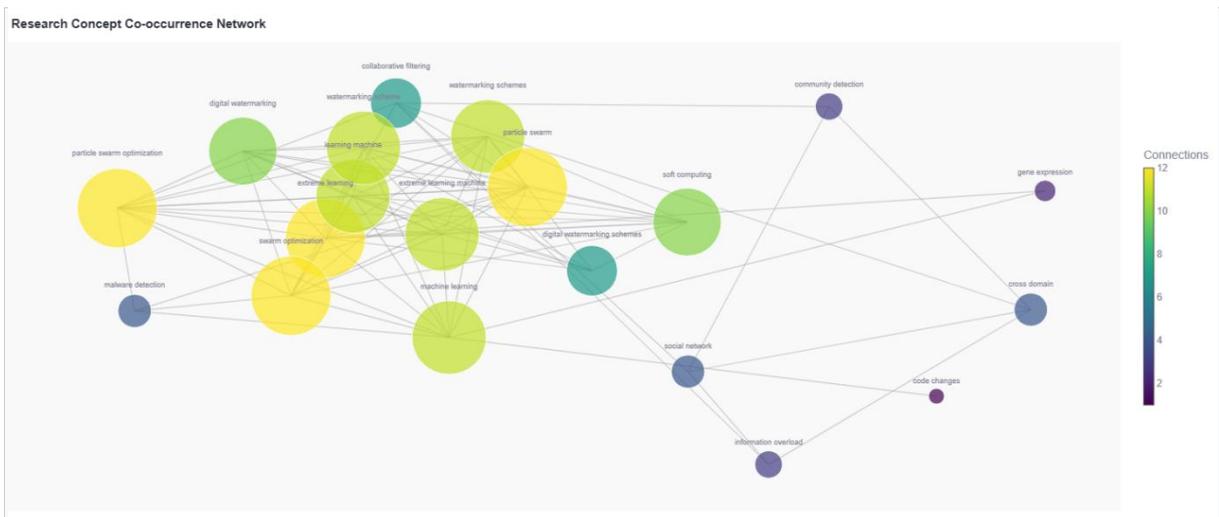


Figure 3.8.4: Computer Science: Research Concept Co-occurrence Network

3.8.6 Growing and Emerging Concepts

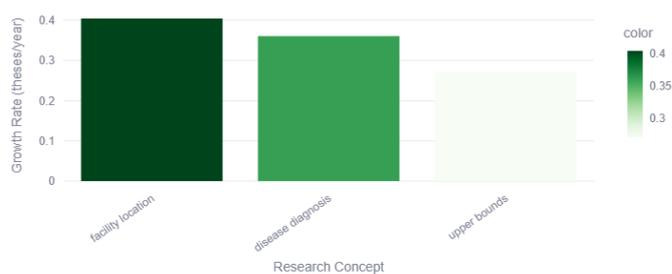


Figure 3.8.5: Computer Science: Growing Research Concept



3.9.4 Alluvial / Sankey Topic-Evolution Diagram

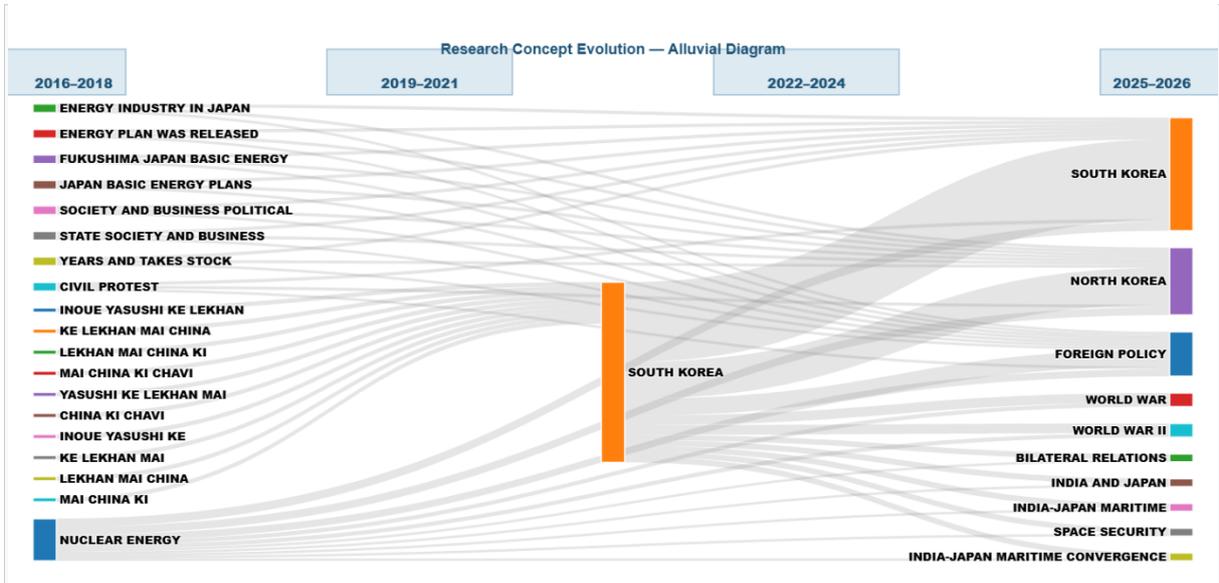


Figure 3.9.3: East Asian Studies: Alluvial diagram showing the topic evolution over 2016-2026

3.9.5 Research Concept Co-occurrence Network

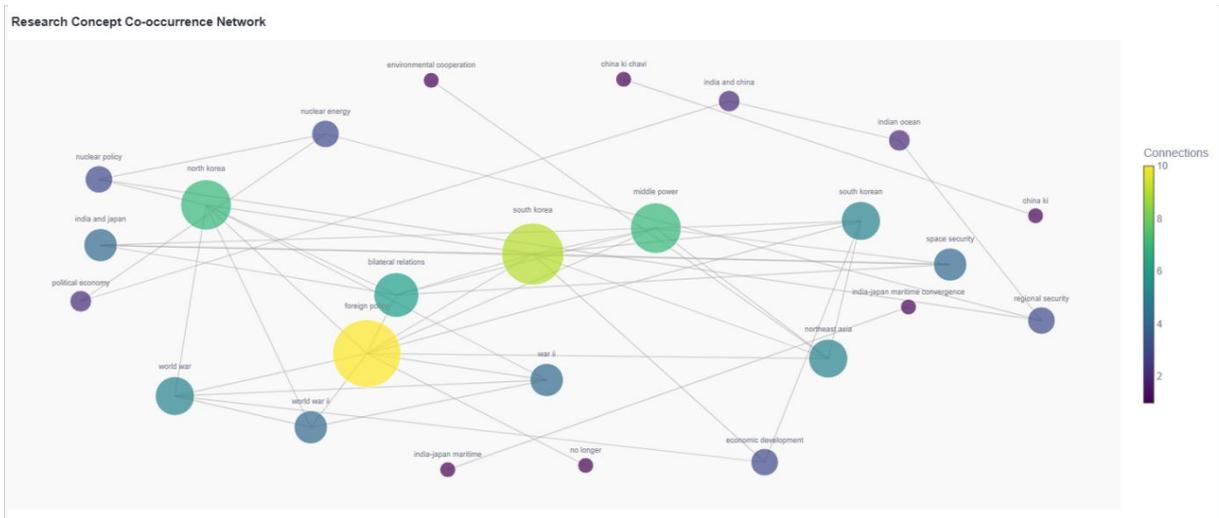


Figure 3.9.4: East Asian Studies: Research Concept Co-occurrence Network

3.9.6 Growing and Emerging Concepts

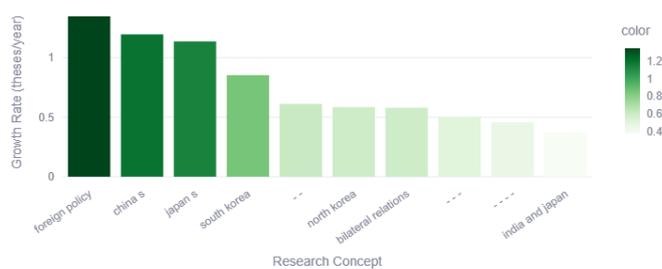


Figure 3.9.5: East Asian Studies: Growing Research Concept



3.10.4 Alluvial / Sankey Topic-Evolution Diagram

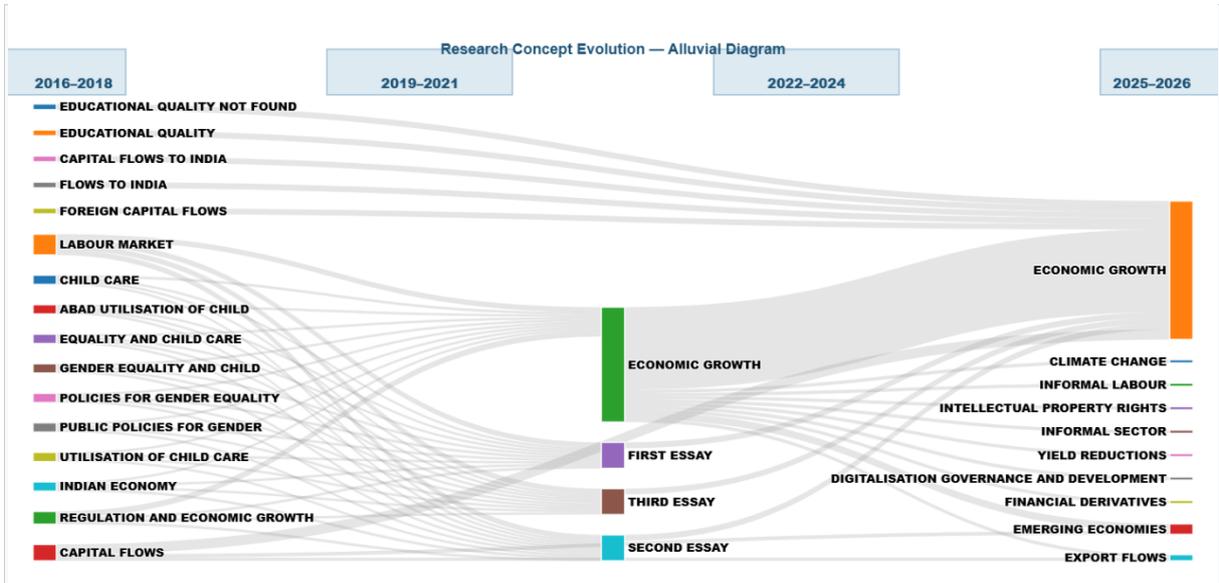


Figure 3.10.3: Economics: Alluvial diagram showing the topic evolution over 2016-2026

3.10.5 Research Concept Co-occurrence Network

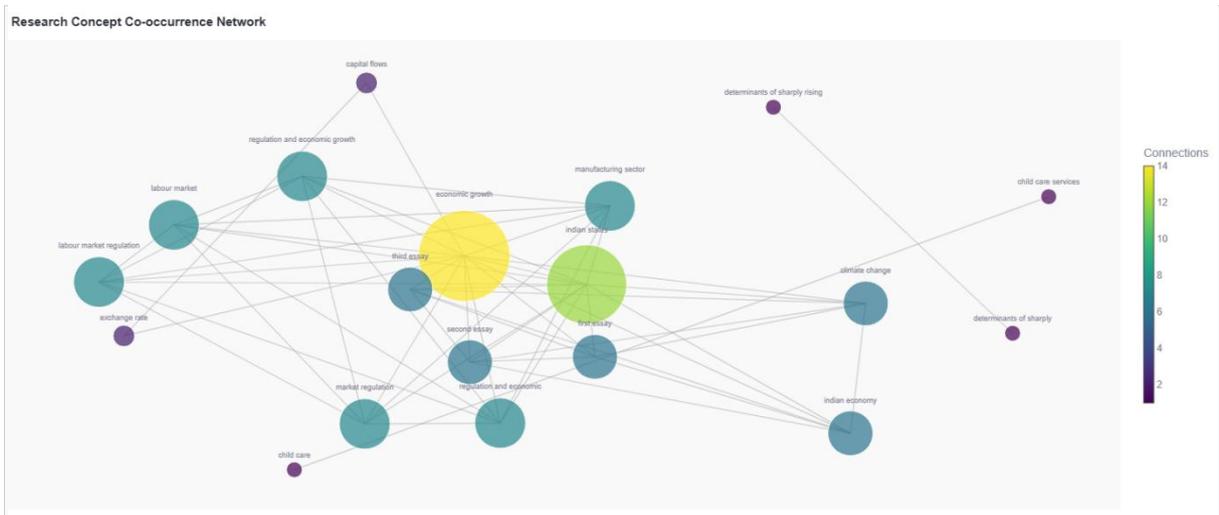


Figure 3.10.4: Economics: Research Concept Co-occurrence Network

3.10.6 Growing and Emerging Concepts

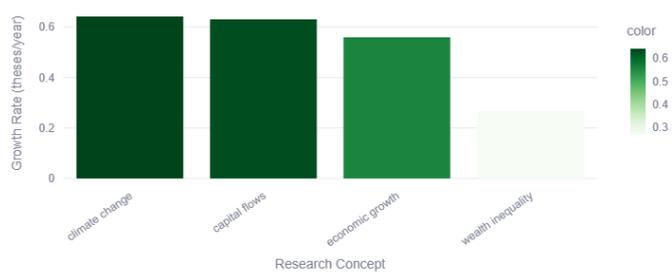


Figure 3.10.5: Economics: Growing Research Concept



3.11.4 Alluvial / Sankey Topic-Evolution Diagram

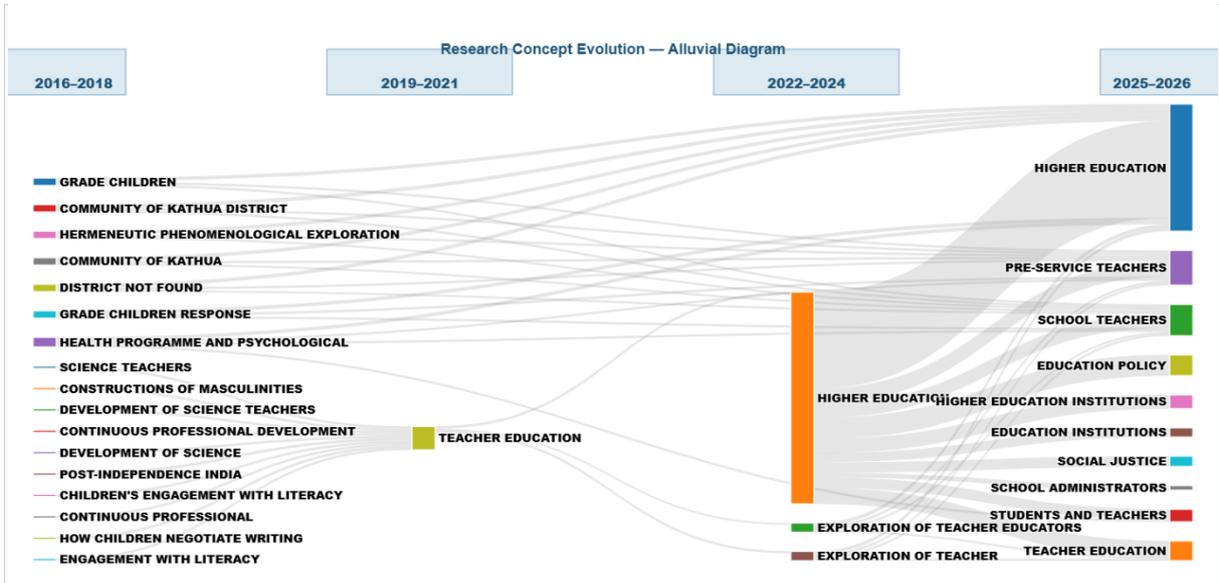


Figure 3.11.3: Education: Alluvial diagram showing the topic evolution over 2016-2026

3.11.5 Research Concept Co-occurrence Network

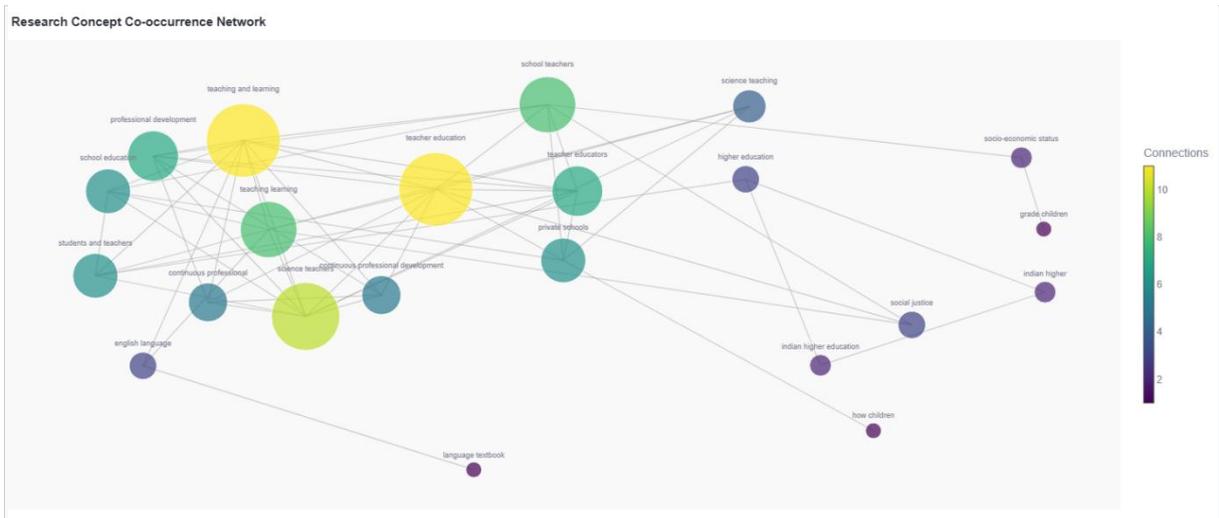


Figure 3.11.4: Education: Research Concept Co-occurrence Network

3.11.6 Growing and Emerging Concepts

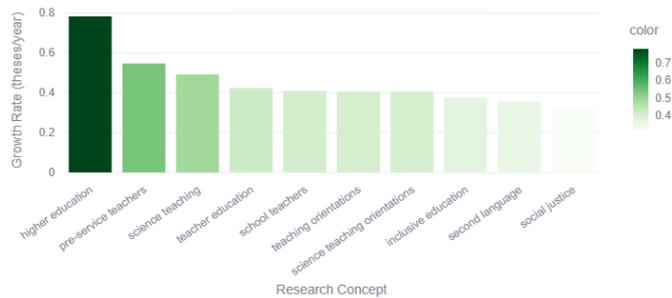


Figure 3.11.5: Education: Growing Research Concept



3.12.4 Alluvial / Sankey Topic-Evolution Diagram

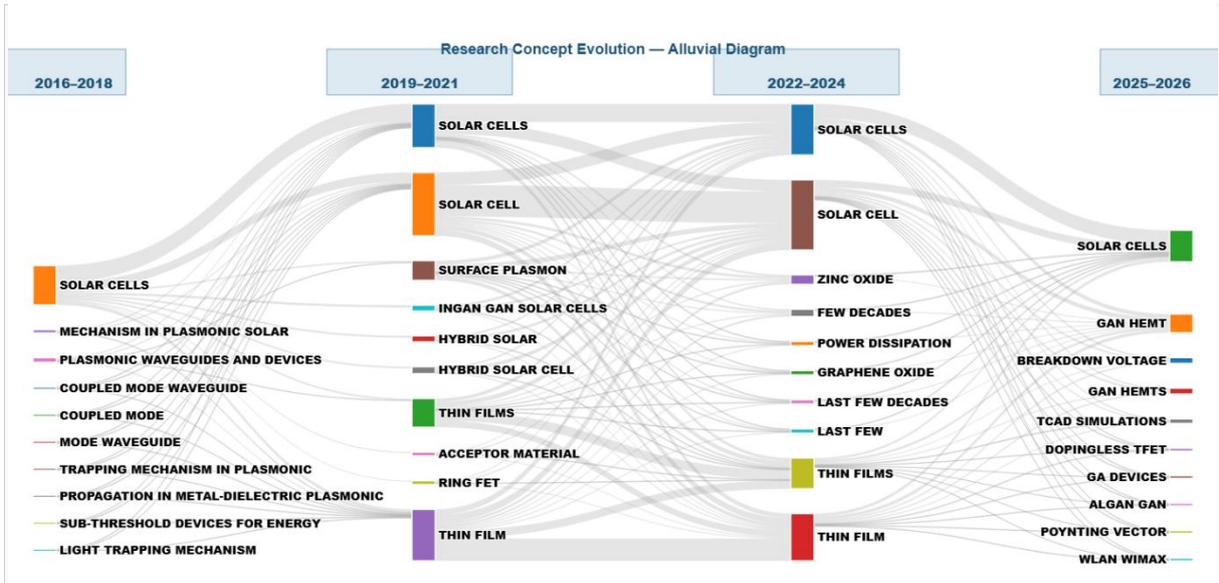


Figure 3.12.3: Electronic Sciences: Alluvial diagram showing the topic evolution over 2016-2026

3.12.5 Research Concept Co-occurrence Network

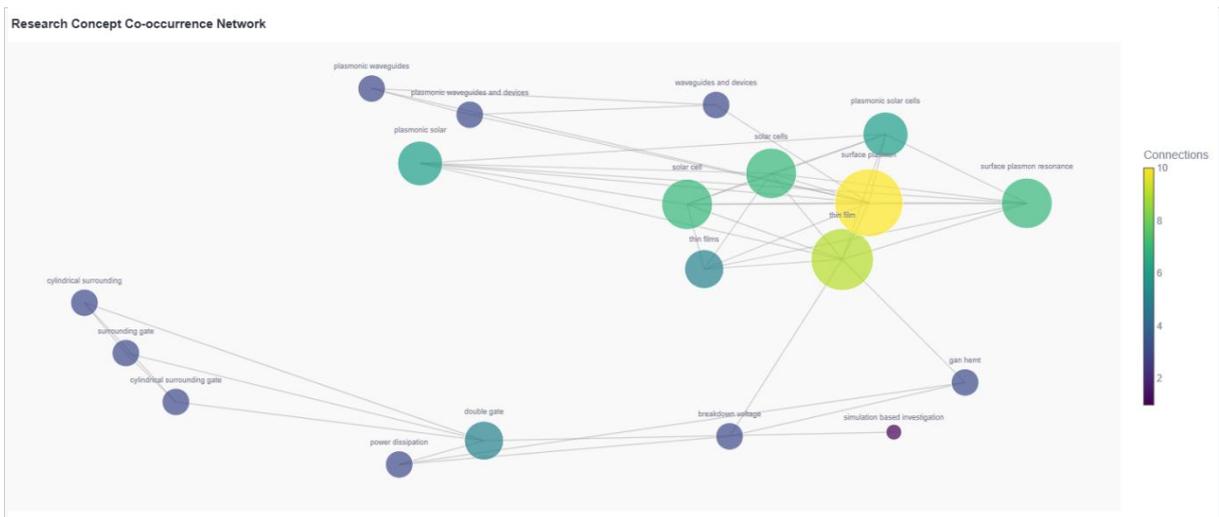


Figure 3.12.4: Electronic Sciences: Research Concept Co-occurrence Network

3.12.6 Growing and Emerging Concepts

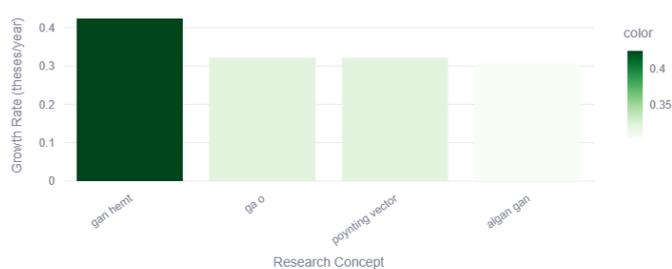


Figure 3.12.5: Electronic Sciences: Growing Research Concept



3.13.4 Alluvial / Sankey Topic-Evolution Diagram

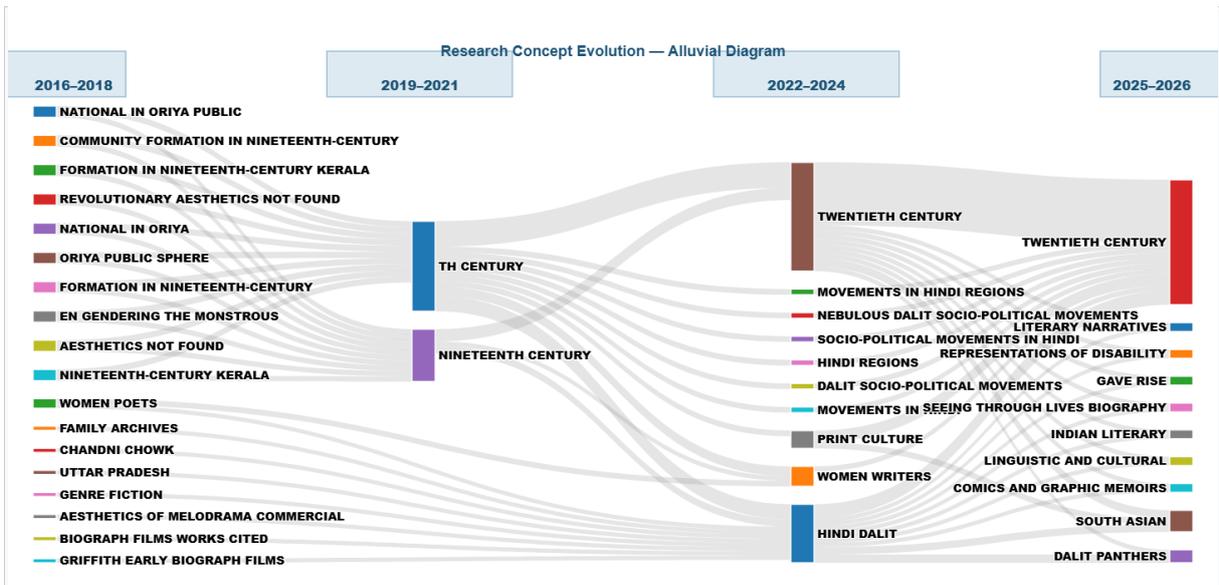


Figure 3.13.3: English: Alluvial diagram showing the topic evolution over 2016-2026

3.13.5 Research Concept Co-occurrence Network

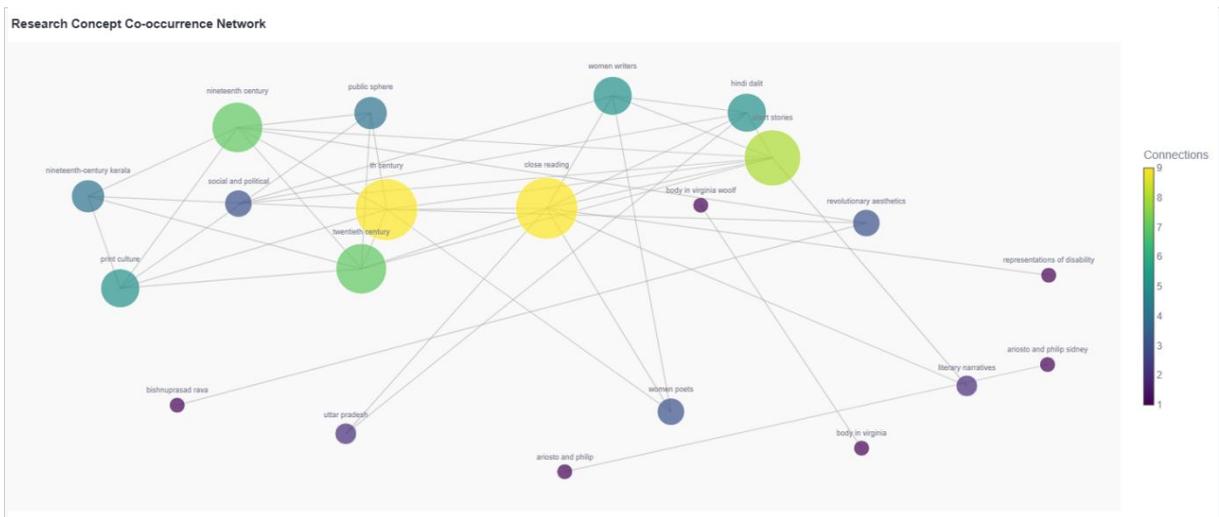


Figure 3.13.4: English: Research Concept Co-occurrence Network

3.13.6 Growing and Emerging Concepts

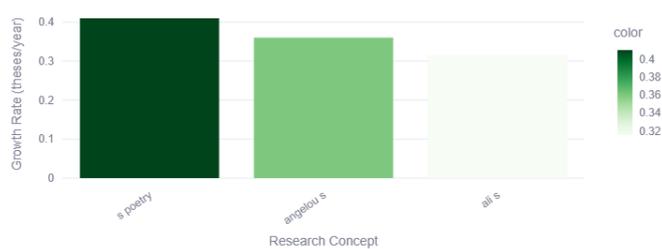


Figure 3.13.5: English: Growing Research Concept



3.14 Environmental Studies

3.14.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	49
Average per Year	4.9
Peak Year (Highest Output)	2023 10 Theses

3.14.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	1.968
Diversity Level	Highly diverse – research is spread across many topics
Dominant Topic Share	26.5%
Number of Active Topics	8

3.14.3 Top Research Concepts: Concept Cloud

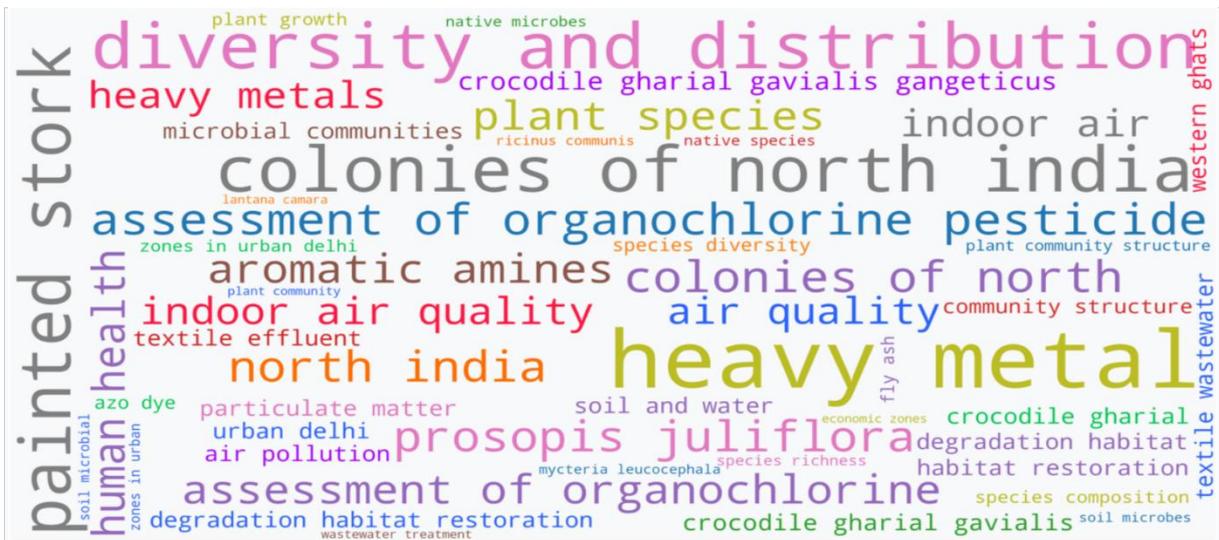


Figure 3.14.1: Environmental Studies: Concept Cloud showing Top Research Concepts

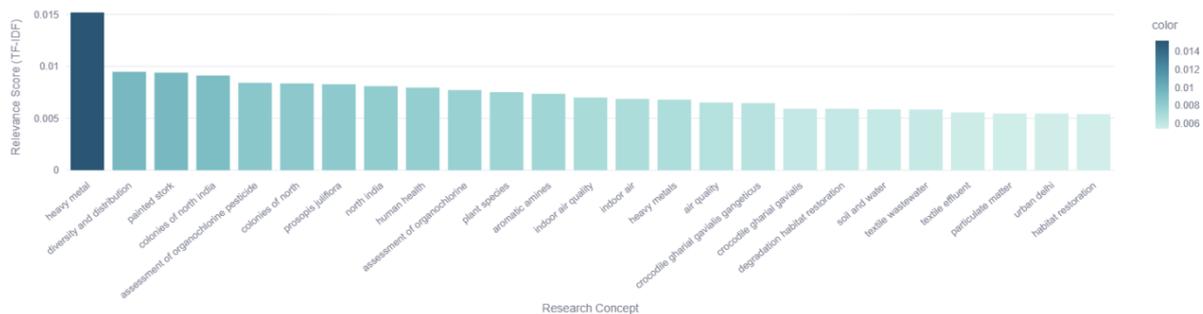


Figure 3.14.2: Environmental Studies: Top Concepts by Relevance



3.14.4 Alluvial / Sankey Topic-Evolution Diagram

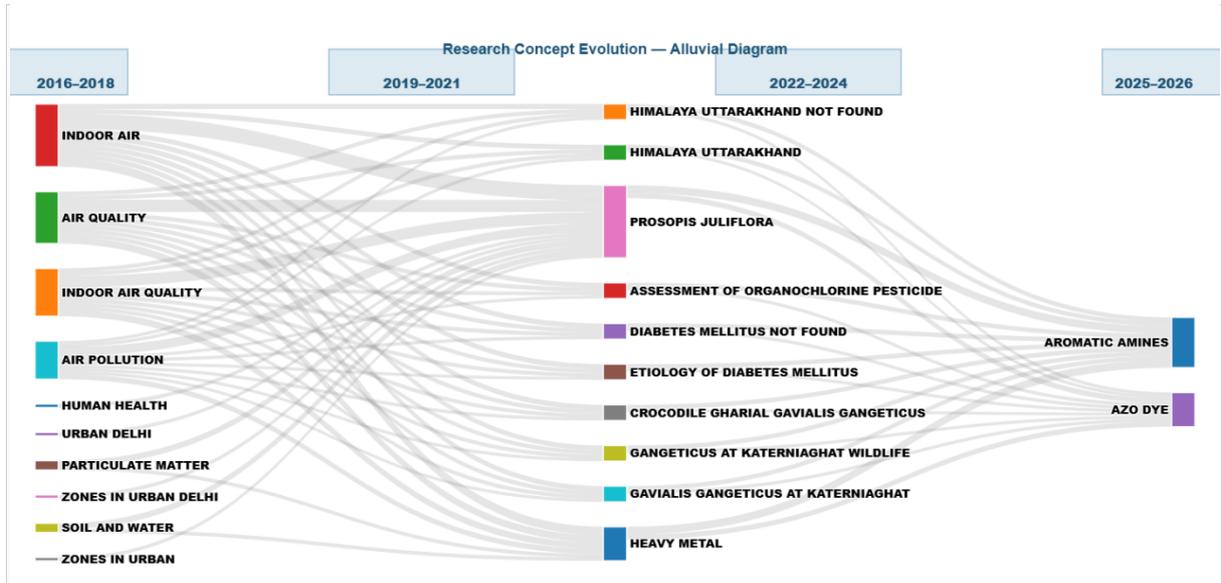


Figure 3.14.3: Environmental Studies: Alluvial diagram showing the topic evolution over 2016-2026

3.14.5 Research Concept Co-occurrence Network

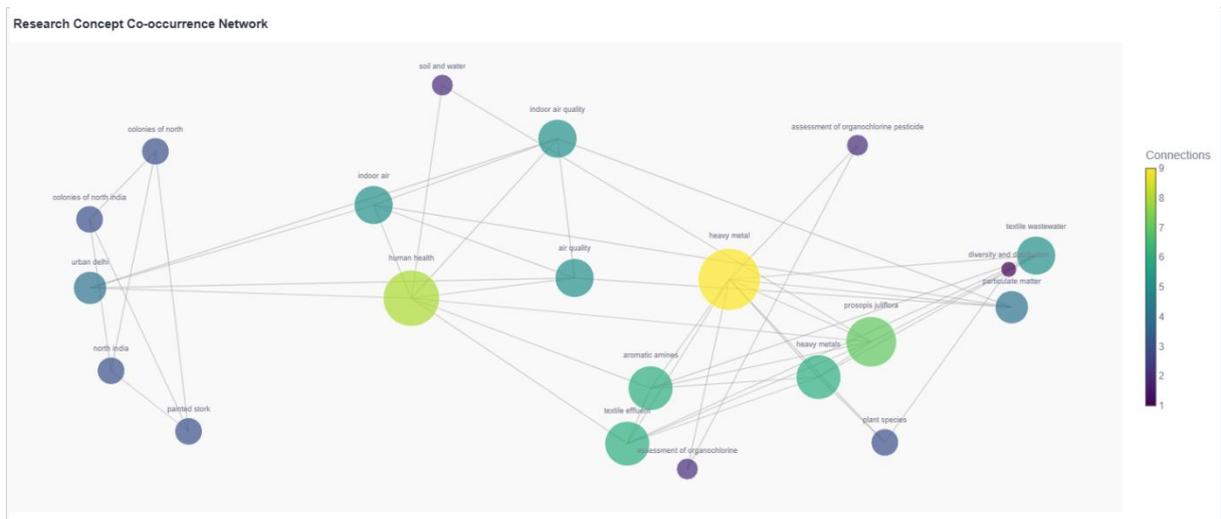


Figure 3.14.4: Environmental Studies: Research Concept Co-occurrence Network

3.14.6 Growing and Emerging Concepts

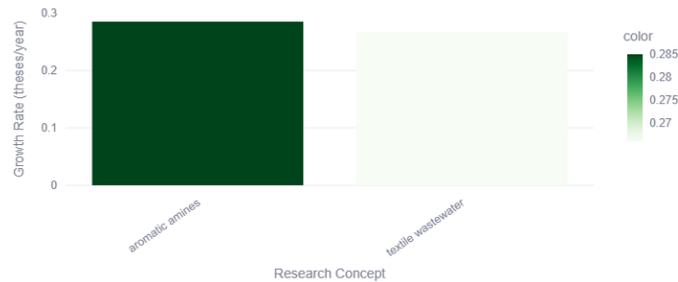


Figure 3.14.5: Environmental Studies: Growing Research Concept



3.15.4 Alluvial / Sankey Topic-Evolution Diagram

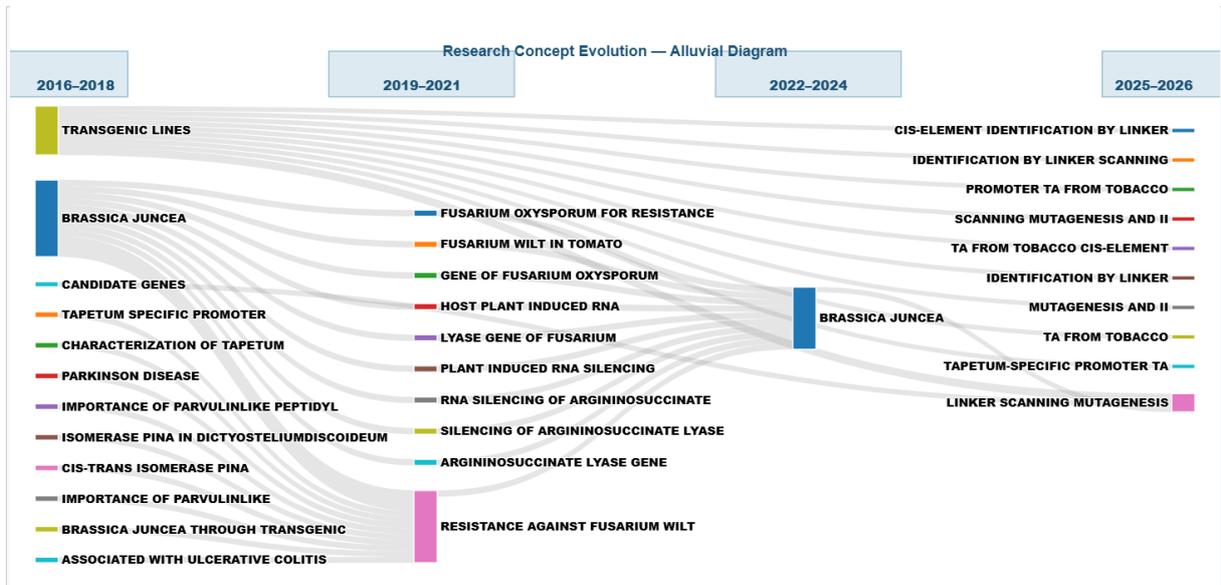


Figure 3.15.3: Genetics: Alluvial diagram showing the topic evolution over 2016-2026

3.15.5 Research Concept Co-occurrence Network

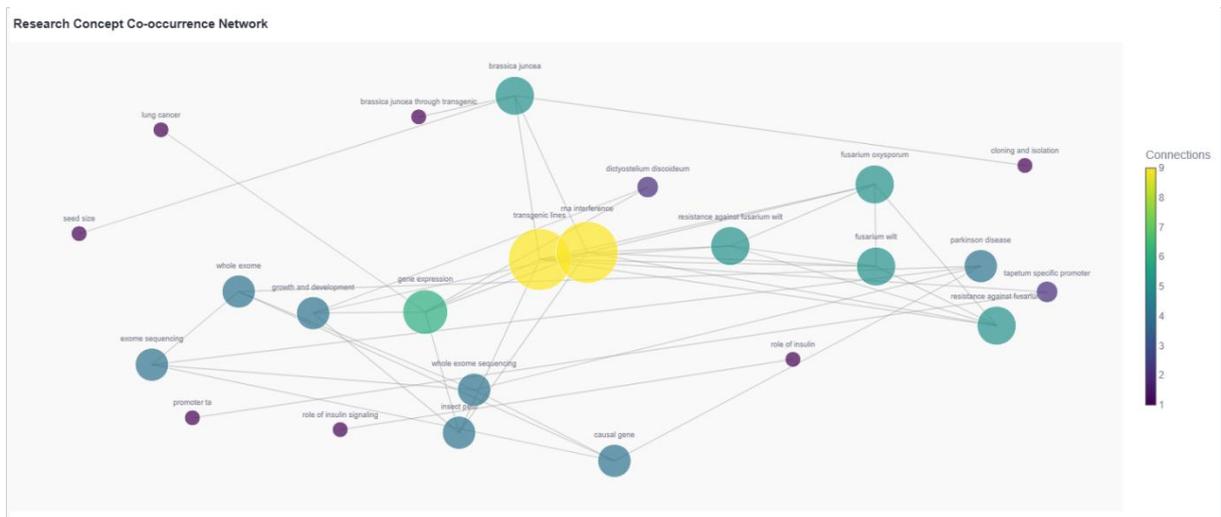


Figure 3.15.4: Genetics: Research Concept Co-occurrence Network

3.15.6 Growing and Emerging Concepts

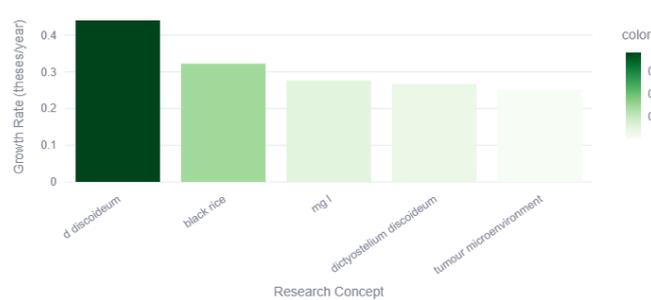


Figure 3.15.5: Genetics: Growing Research Concept



3.16 Geography

3.16.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	105
Average per Year	10.5
Peak Year (Highest Output)	2023 21 Theses

3.16.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	1.951
Diversity Level	Highly diverse – research is spread across many topics
Dominant Topic Share	24.8%
Number of Active Topics	8

3.16.3 Top Research Concepts: Concept Cloud

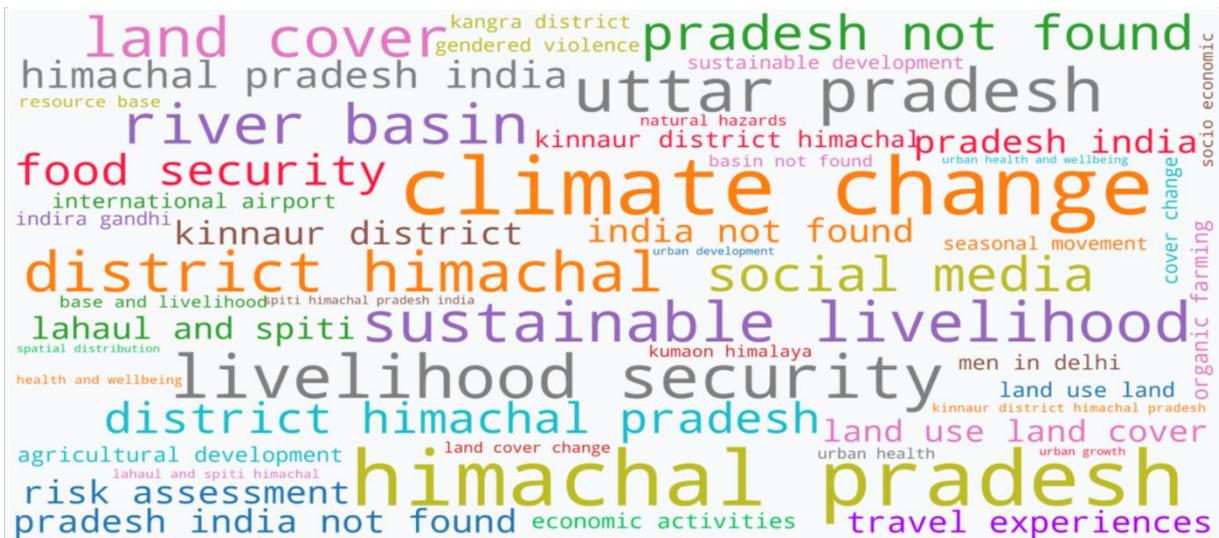


Figure 3.16.1: Geography: Concept Cloud showing Top Research Concepts

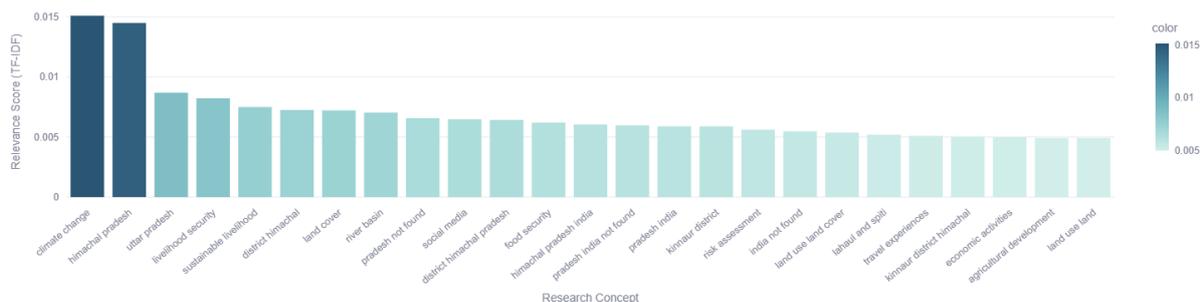


Figure 3.16.2: Geography: Top Concepts by Relevance



3.16.4 Alluvial / Sankey Topic-Evolution Diagram

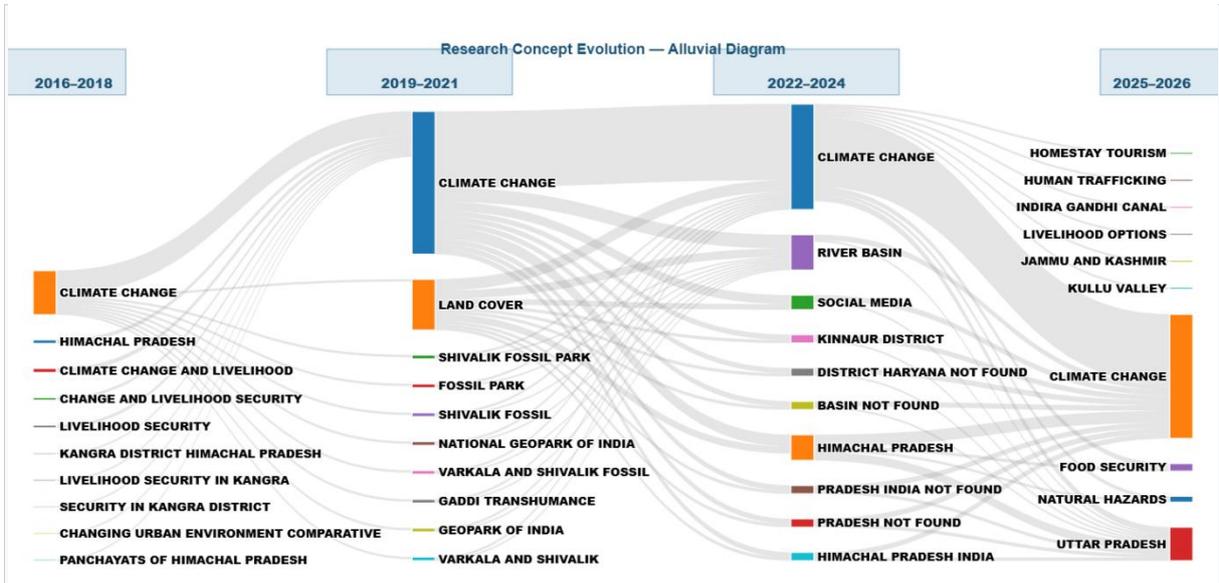


Figure 3.16.3: Geography: Alluvial diagram showing the topic evolution over 2016-2026

3.16.5 Research Concept Co-occurrence Network

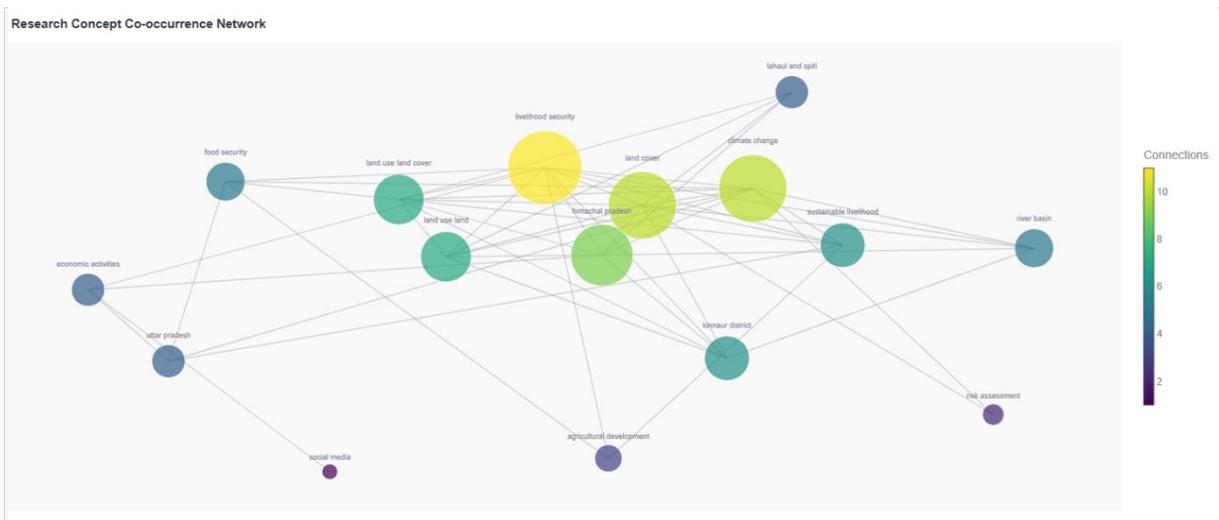


Figure 3.16.4: Geography: Research Concept Co-occurrence Network

3.16.6 Growing and Emerging Concepts

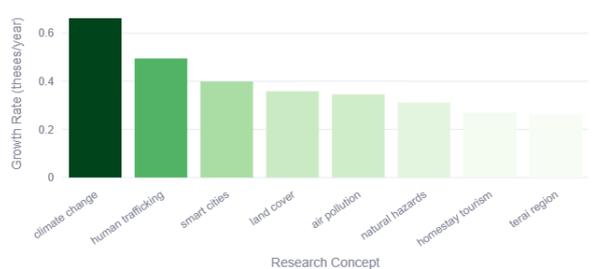


Figure 3.16.5: Geography: Growing Research Concept



3.17 Geology

3.17.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	72
Average per Year	7.2
Peak Year (Highest Output)	2016 12 Theses

3.17.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	2.010
Diversity Level	Highly diverse – research is spread across many topics
Dominant Topic Share	22.2%
Number of Active Topics	8

3.17.3 Top Research Concepts: Concept Cloud

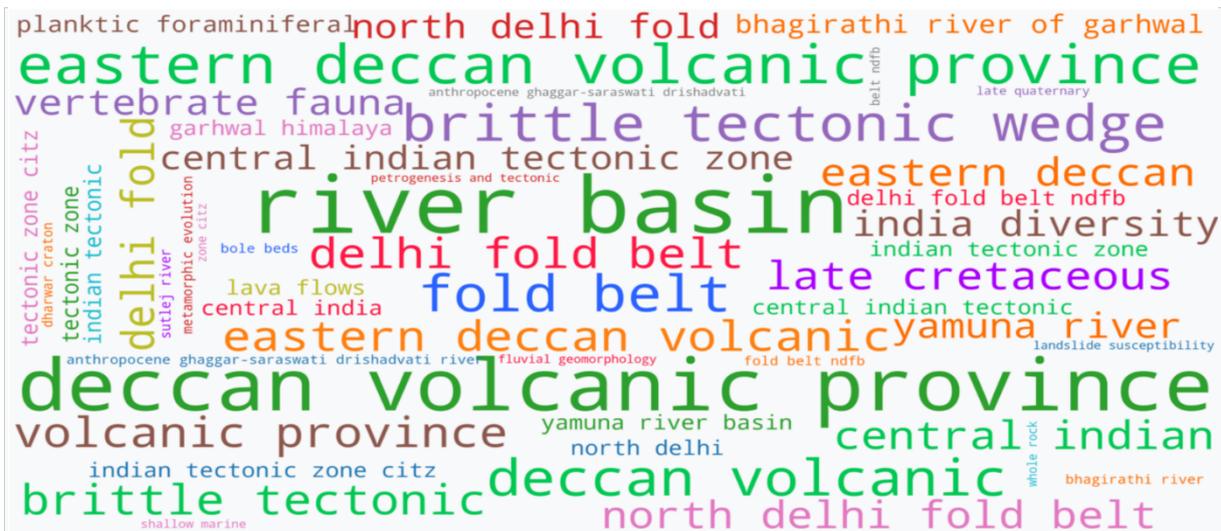


Figure 3.17.1: Geology: Concept Cloud showing Top Research Concepts

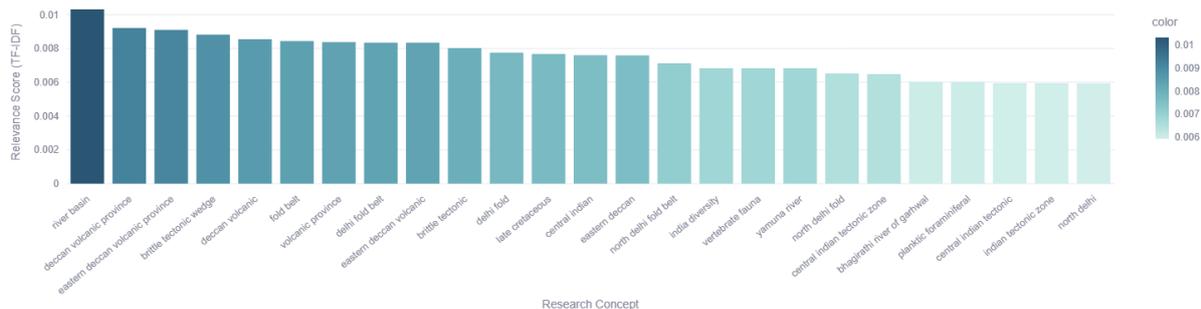


Figure 3.17.2: Geology: Top Concepts by Relevance



3.17.4 Alluvial / Sankey Topic-Evolution Diagram

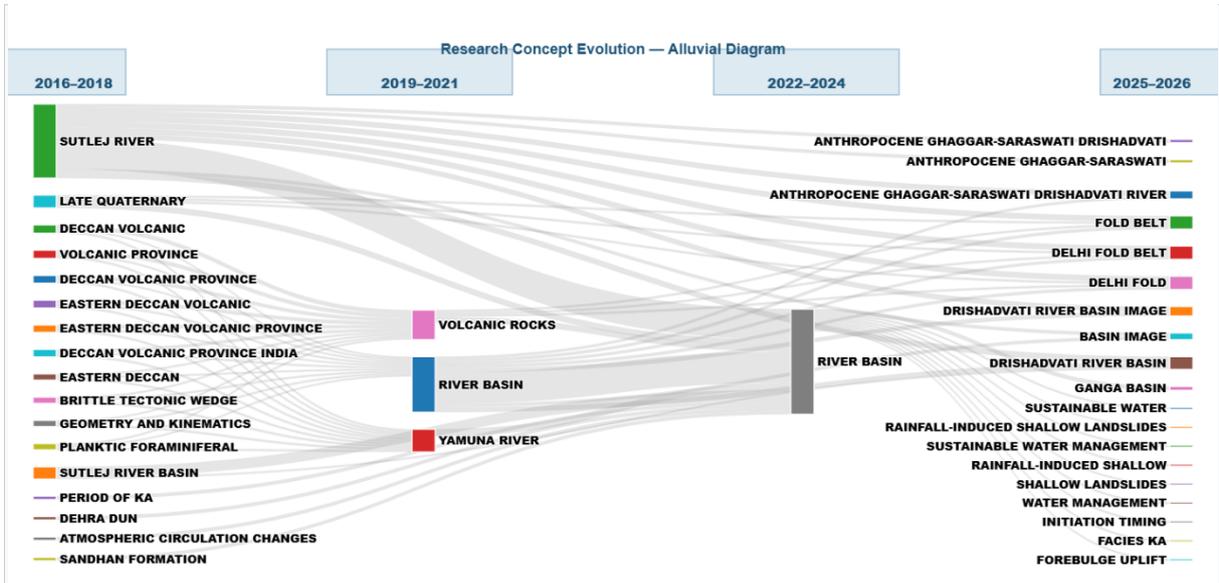


Figure 3.17.3: Geology: Alluvial/Sankey diagram showing the topic evolution over 2016-2026

3.17.5 Research Concept Co-occurrence Network

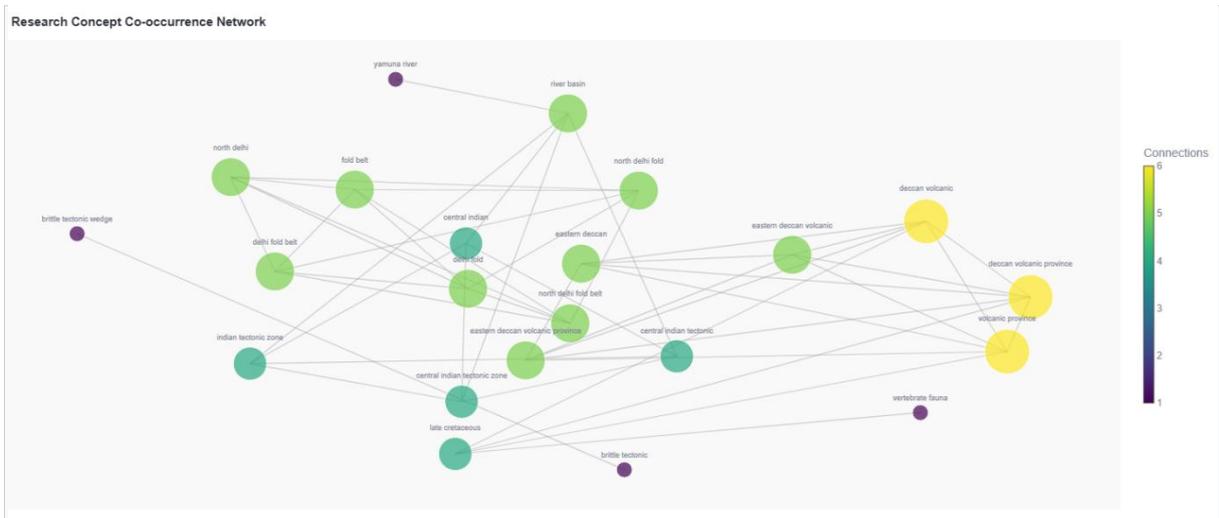


Figure 3.17.4: Geology: Research Concept Co-occurrence Network

3.17.6 Growing and Emerging Concepts

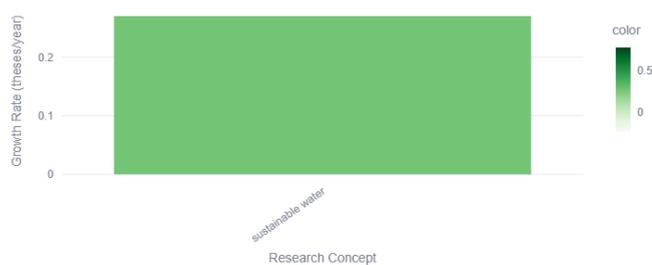


Figure 3.17.5: Geology: Growing Research Concept



3.18.4 Alluvial / Sankey Topic-Evolution Diagram

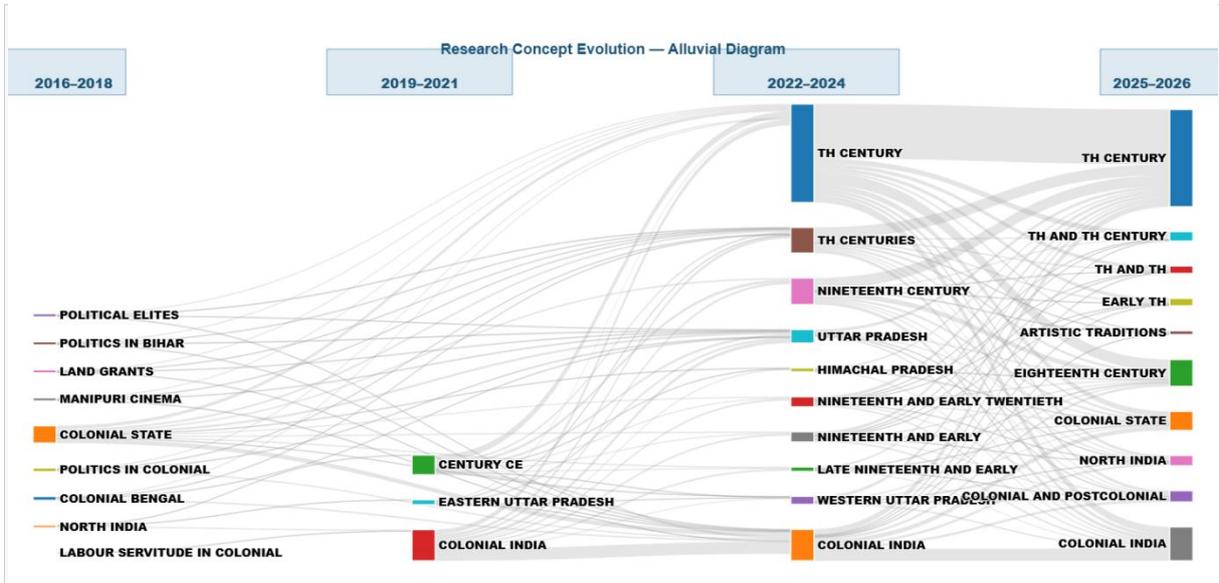


Figure 3.18.3: History: Alluvial diagram showing the topic evolution over 2016-2026

3.18.5 Research Concept Co-occurrence Network

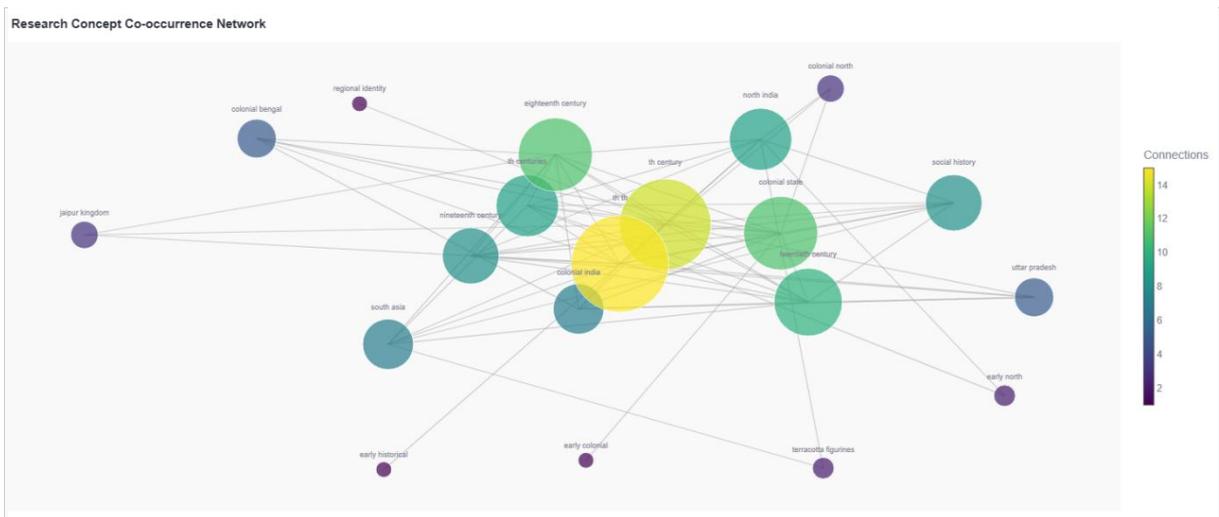


Figure 3.18.4: History: Research Concept Co-occurrence Network

3.18.6 Growing and Emerging Concepts

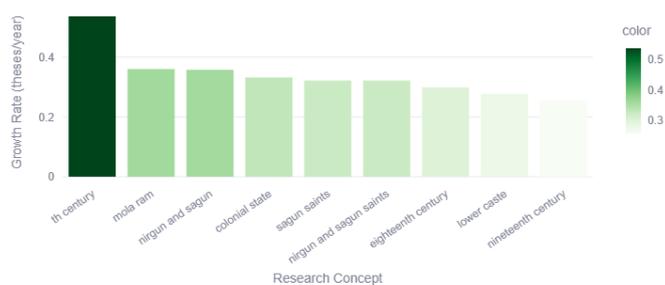


Figure 3.18.5: History: Growing Research Concept



3.21 Library Science

3.21.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	63
Average per Year	6.3
Peak Year (Highest Output)	2026 11 Theses

3.21.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	1.822
Diversity Level	Highly diverse – research is spread across many topics
Dominant Topic Share	27%
Number of Active Topics	8

3.21.3 Top Research Concepts: Concept Cloud

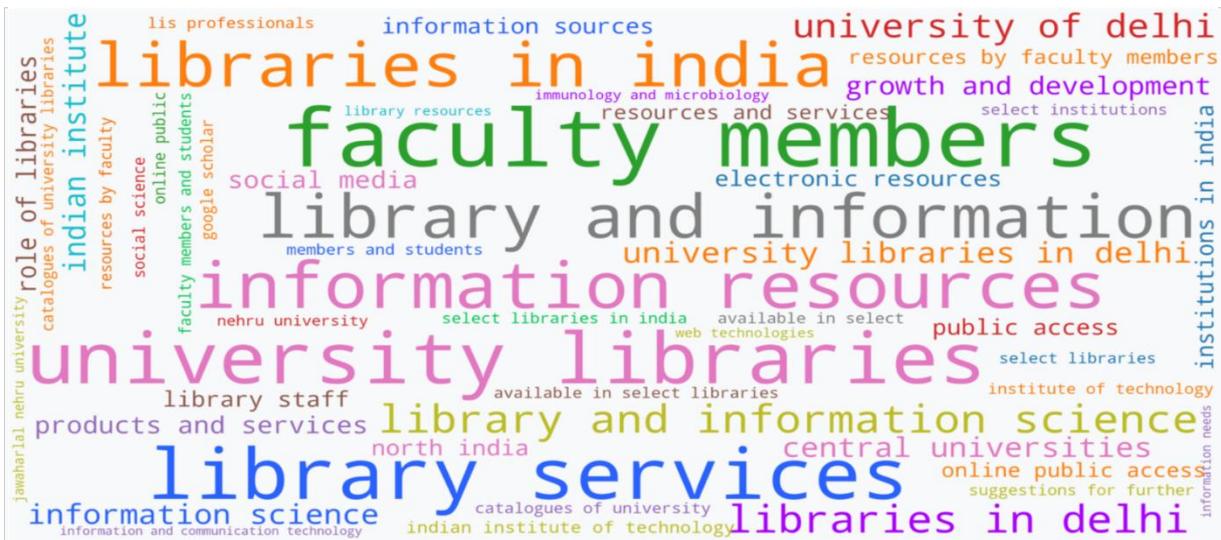


Figure 3.21.1: Library Science: Concept Cloud showing Top Research Concepts

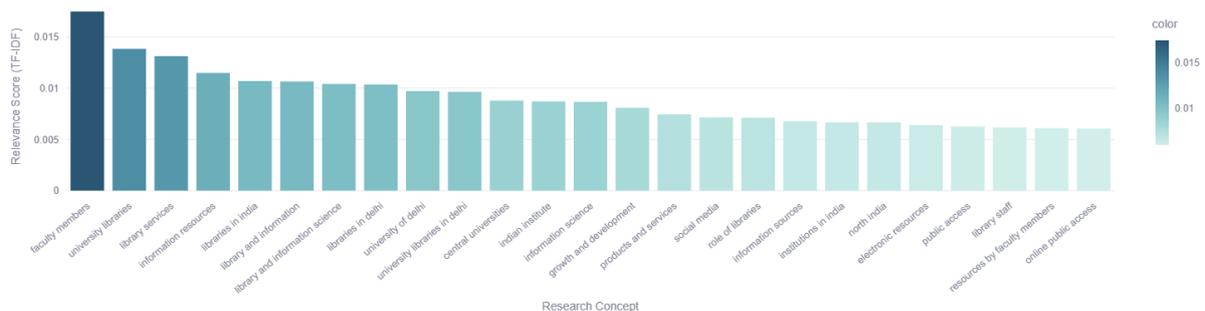


Figure 3.21.2: Library Science: Top Concepts by Relevance



3.21.4 Alluvial / Sankey Topic-Evolution Diagram

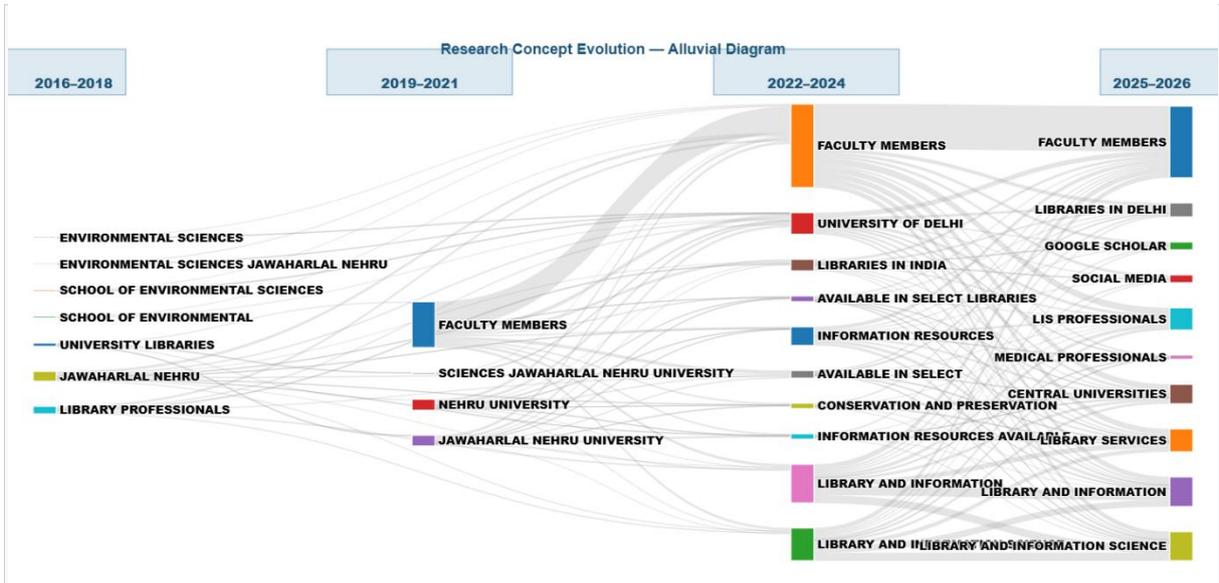


Figure 3.21.3: Library Science: Alluvial diagram showing the topic evolution over 2016-2026

3.21.5 Research Concept Co-occurrence Network

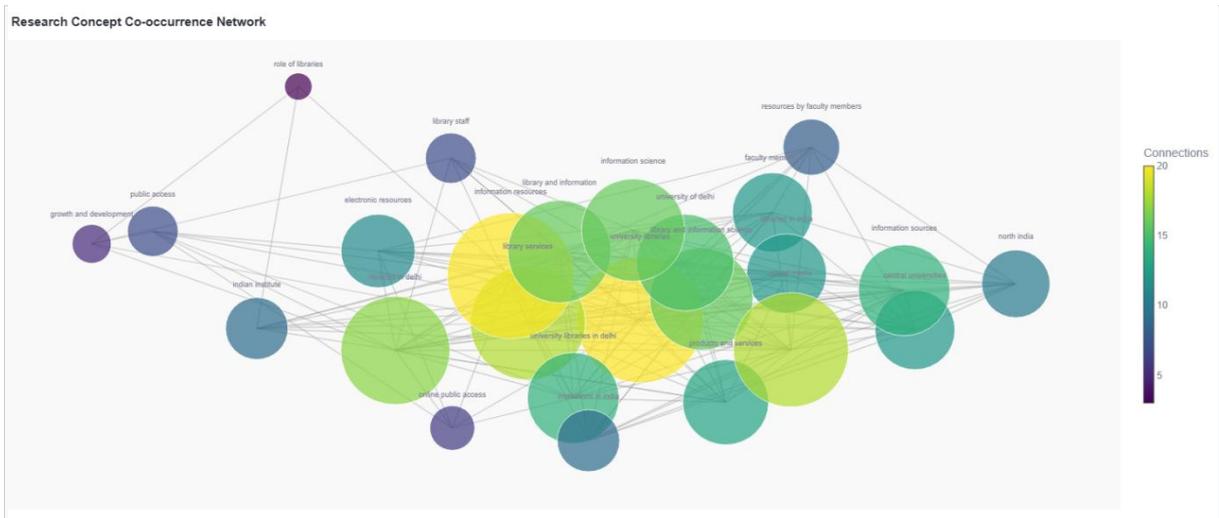


Figure 3.21.4: Library Science: Research Concept Co-occurrence Network

3.21.6 Growing and Emerging Concepts

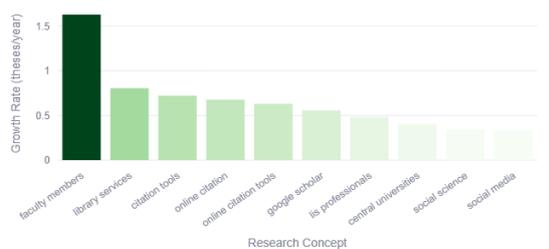


Figure 3.21.5: Library Science: Growing Research Concept



3.22.4 Alluvial / Sankey Topic-Evolution Diagram

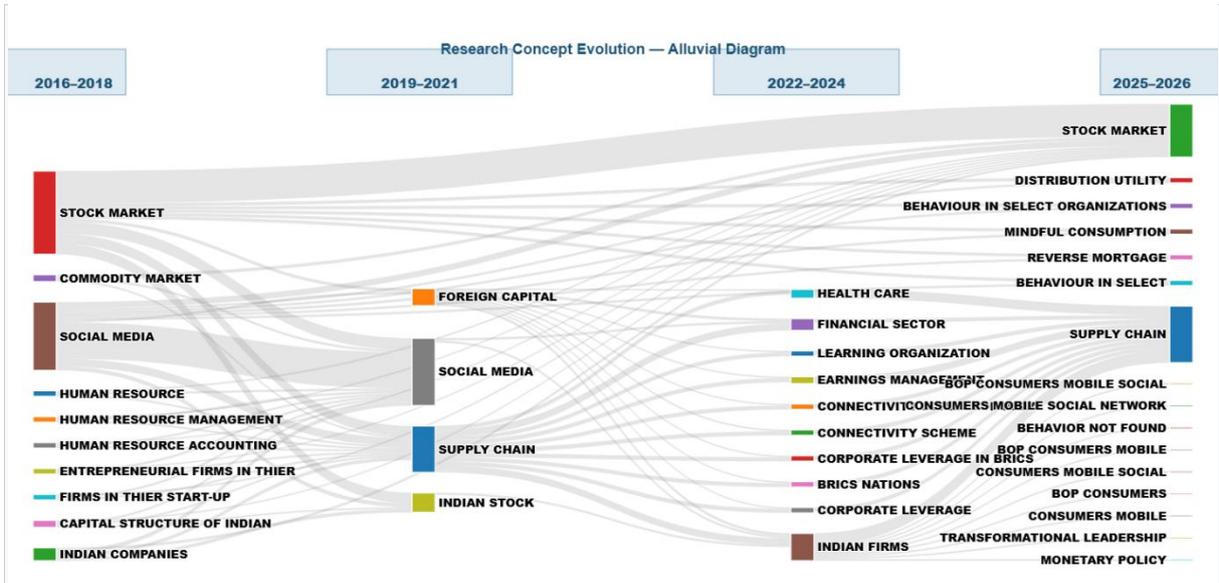


Figure 3.22.3: Management Studies: Alluvial diagram showing the topic evolution over 2016-2026

3.22.5 Research Concept Co-occurrence Network

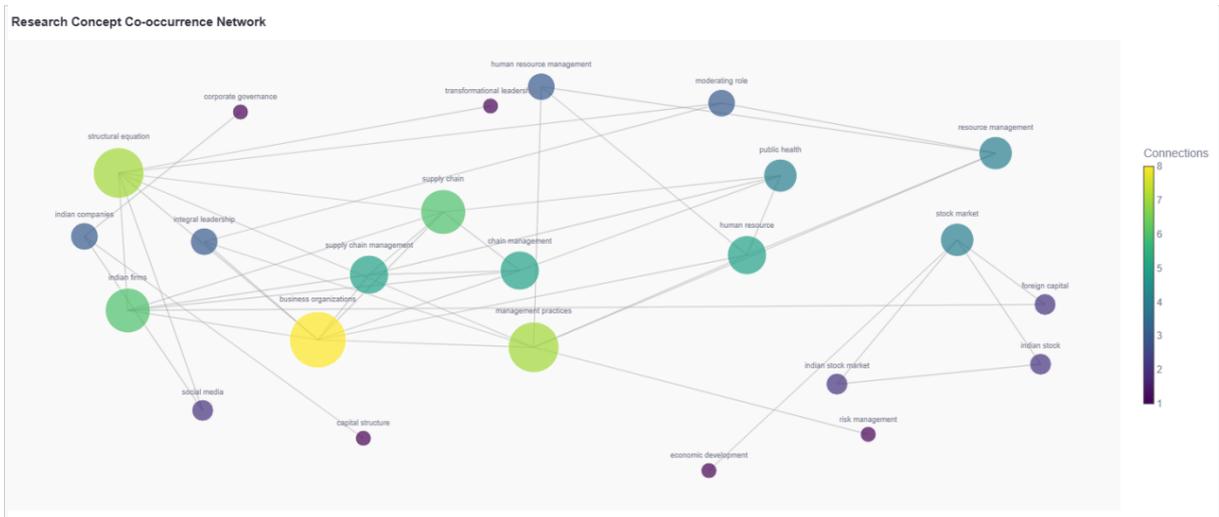


Figure 3.22.4: Management Studies: Research Concept Co-occurrence Network

3.22.6 Growing and Emerging Concepts

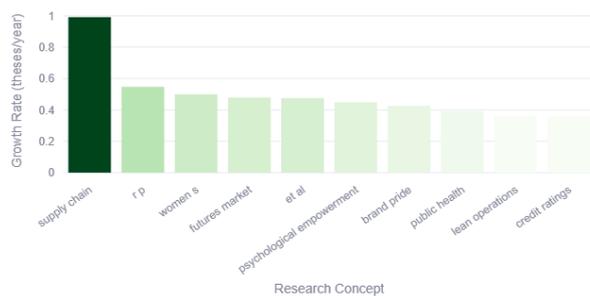


Figure 3.22.5: Management Studies: Growing Research Concept



3.23 Mathematical Sciences

3.23.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	236
Average per Year	23.6
Peak Year (Highest Output)	2024 32 Theses

3.23.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	1.892
Diversity Level	Highly diverse – research is spread across many topics
Dominant Topic Share	24.6%
Number of Active Topics	8

3.23.3 Top Research Concepts: Concept Cloud

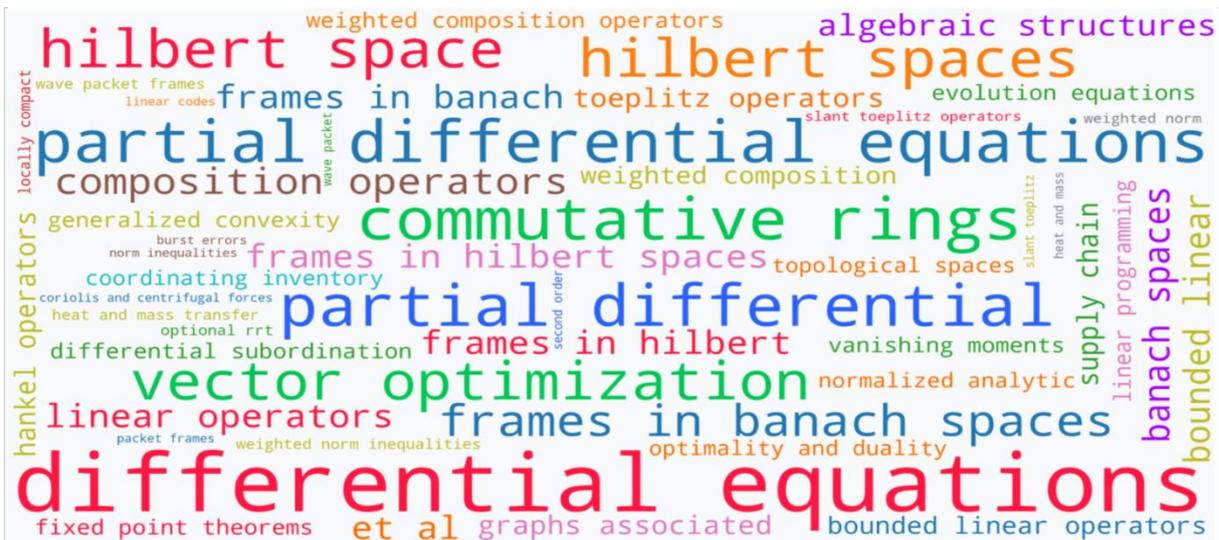


Figure 3.23.1: Mathematical Sciences: Concept Cloud showing Top Research Concepts

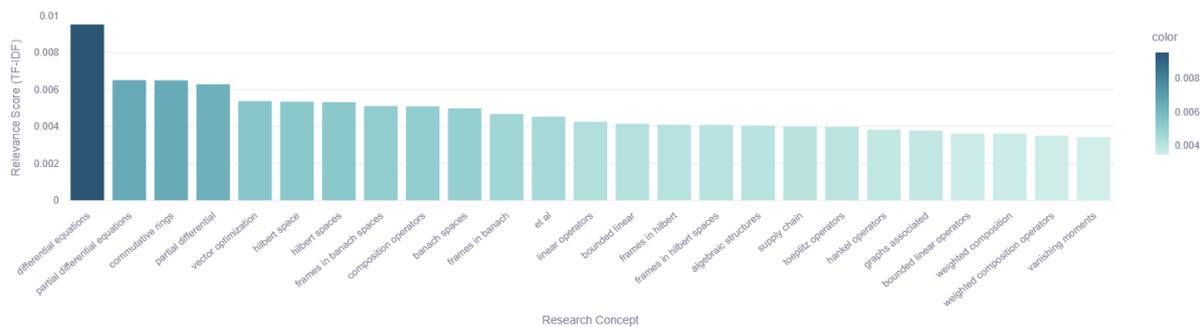


Figure 3.23.2: Mathematical Sciences: Top Concepts by Relevance



3.23.4 Alluvial / Sankey Topic-Evolution Diagram

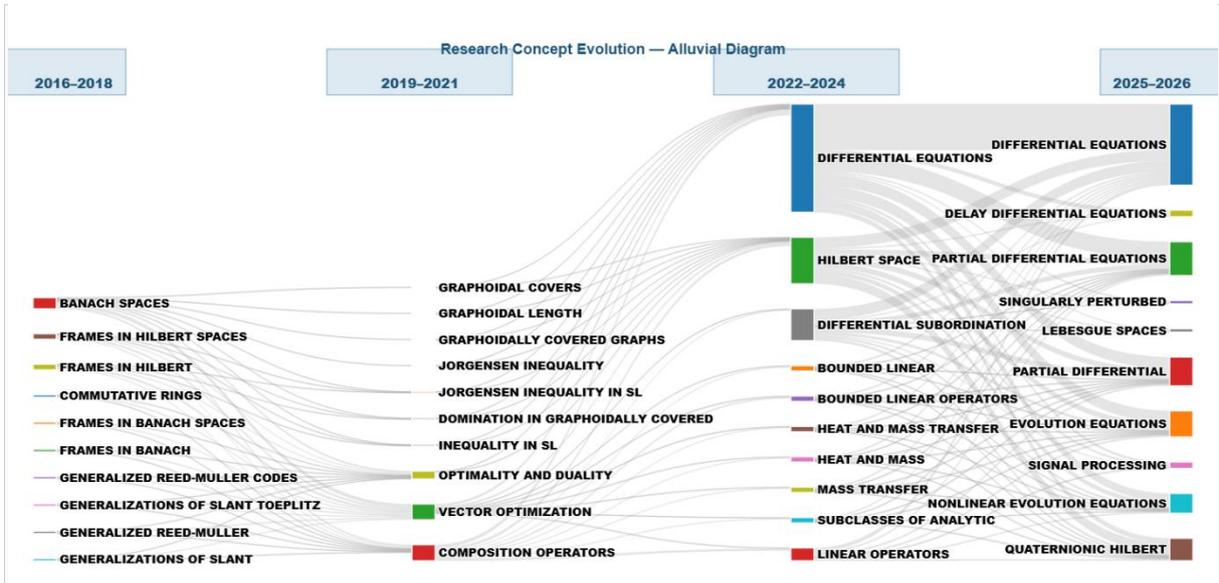


Figure 3.23.3: Mathematical Sciences: Alluvial diagram showing the topic evolution over 2016-2026

3.23.5 Research Concept Co-occurrence Network

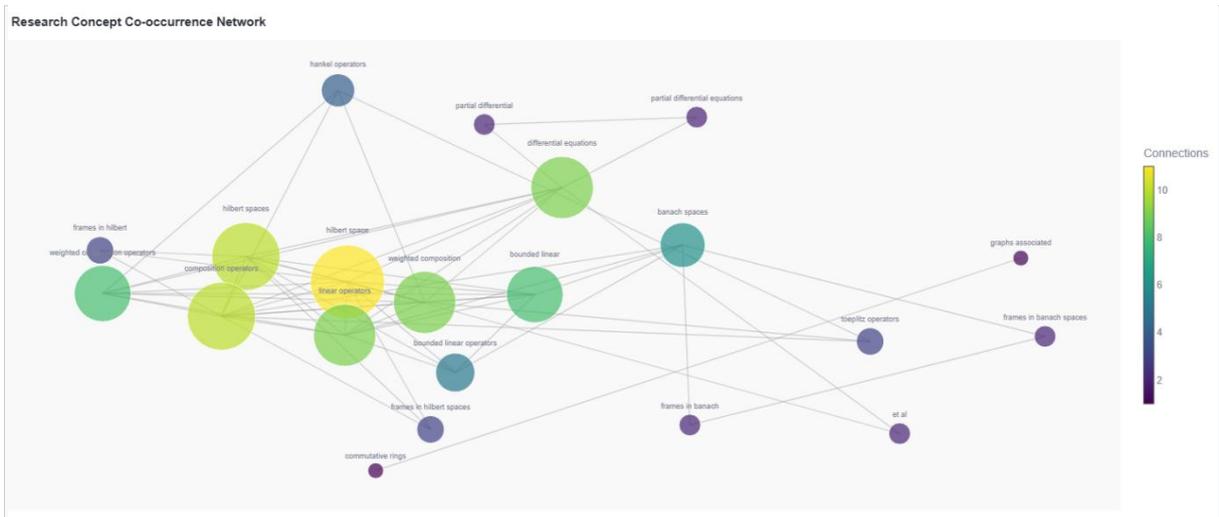


Figure 3.23.4: Mathematical Sciences: Research Concept Co-occurrence Network

3.23.6 Growing and Emerging Concepts

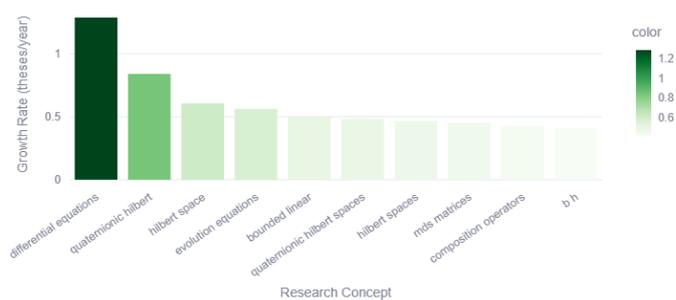


Figure 3.23.5: Mathematical Sciences: Growing Research Concept



3.24 Medical Sciences

3.24.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	64
Average per Year	7.1
Peak Year (Highest Output)	2025 14 Theses

3.24.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	1.710
Diversity Level	Moderately diverse – some topic concentration
Dominant Topic Share	37.5%
Number of Active Topics	8

3.24.3 Top Research Concepts: Concept Cloud

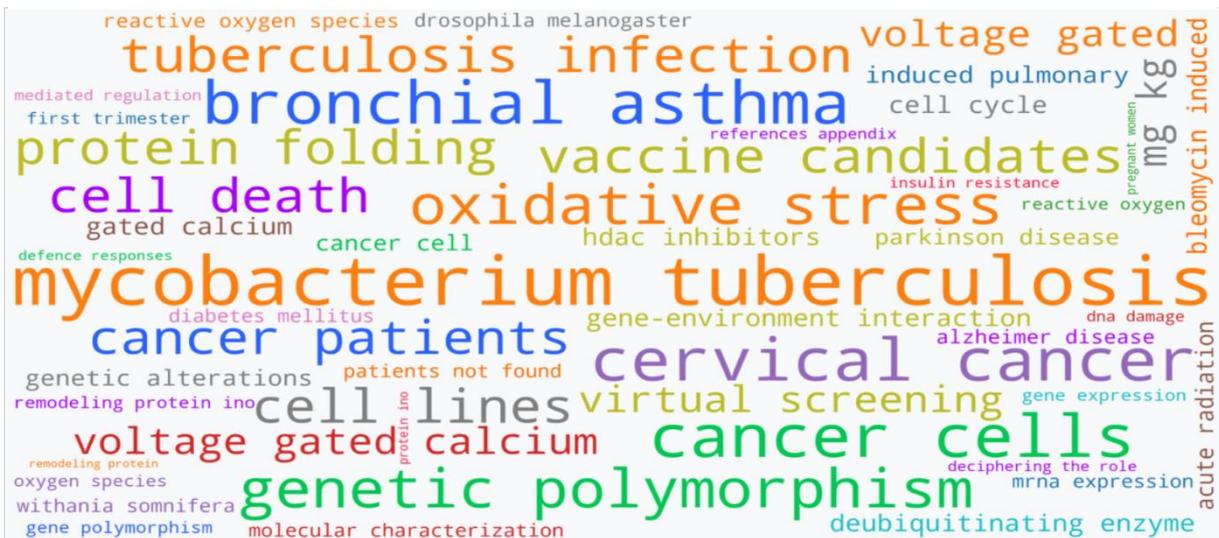


Figure 3.24.1: Medical Sciences: Concept Cloud showing Top Research Concepts

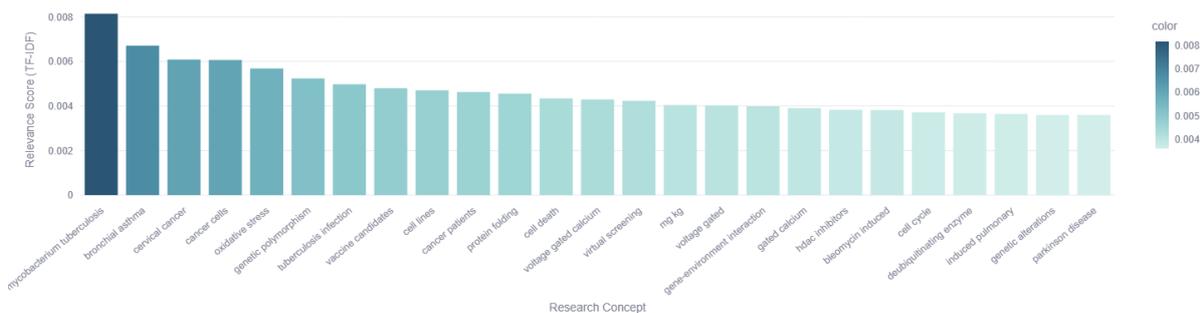


Figure 3.24.2: Medical Sciences: Top Concepts by Relevance



3.24.4 Alluvial / Sankey Topic-Evolution Diagram

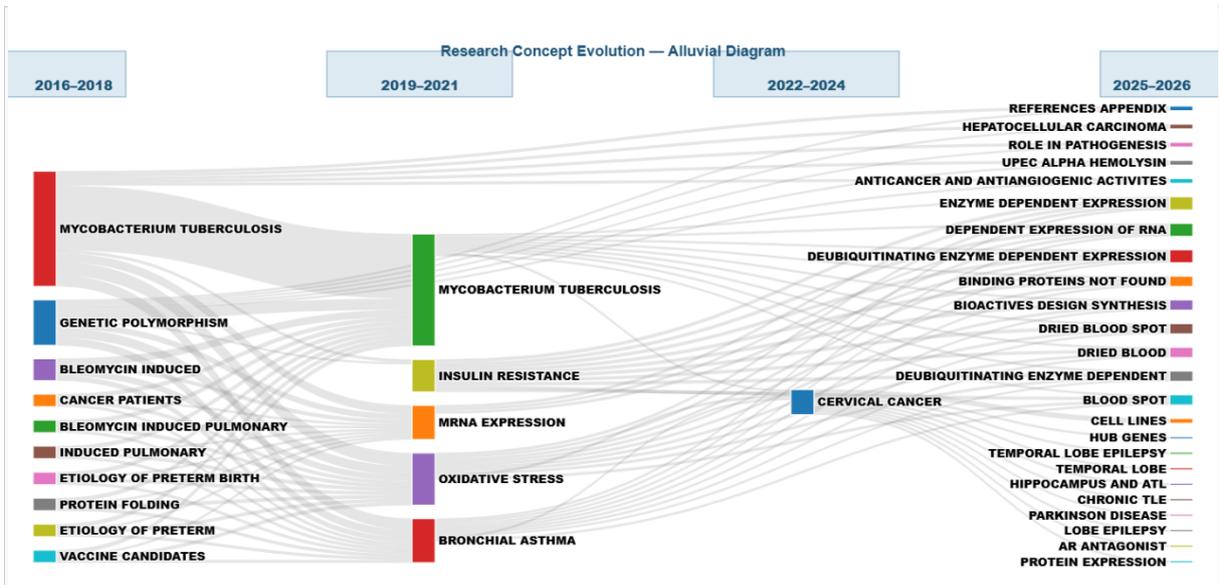


Figure 3.24.3: Medical Sciences: Alluvial diagram showing the topic evolution over 2016-2026

3.24.5 Research Concept Co-occurrence Network

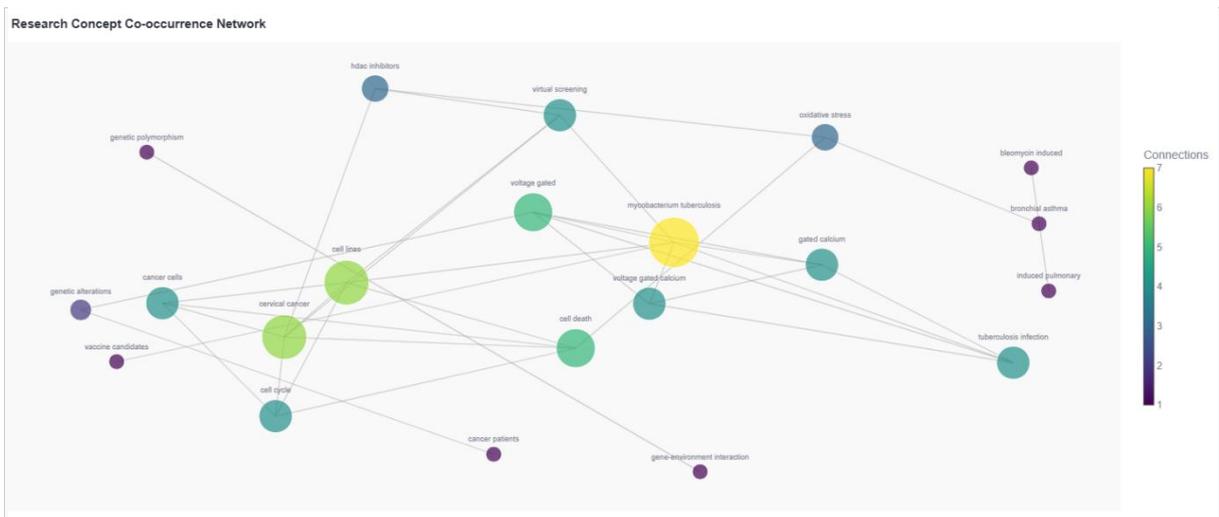


Figure 3.24.4: Medical Sciences: Research Concept Co-occurrence Network

3.24.6 Growing and Emerging Concepts

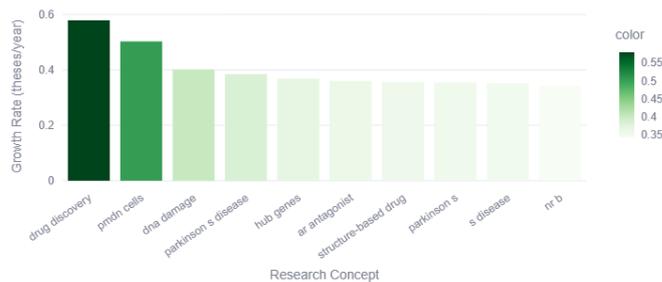


Figure 3.24.5: Medical Sciences: Growing Research Concept



3.25.4 Alluvial / Sankey Topic-Evolution Diagram

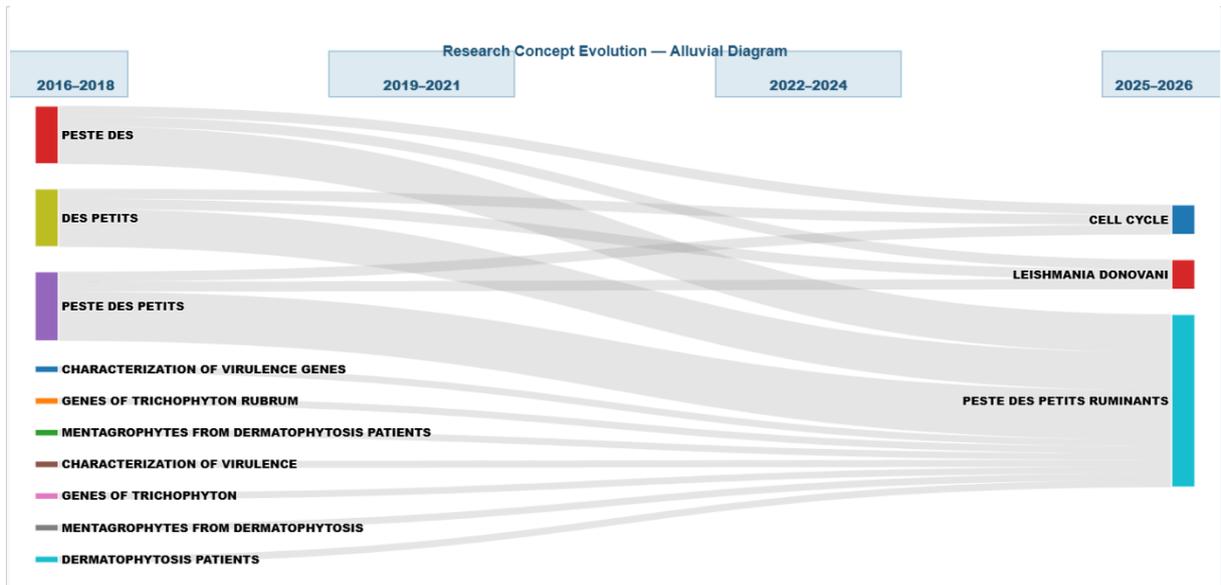


Figure 3.25.3: Microbiology: Alluvial diagram showing the topic evolution over 2016-2026

3.25.5 Research Concept Co-occurrence Network

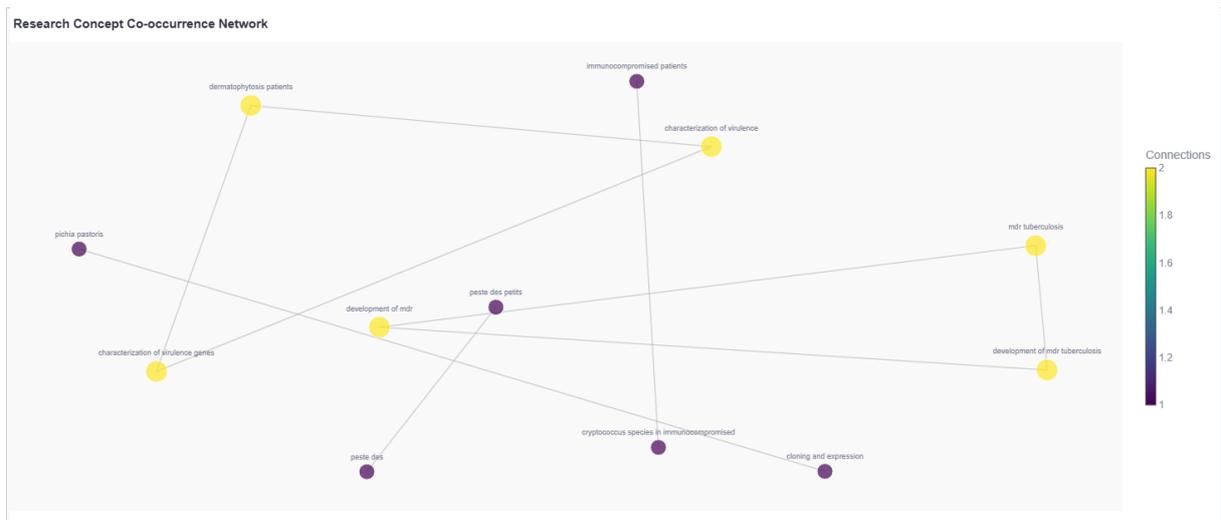


Figure 3.25.4: Microbiology: Research Concept Co-occurrence Network

3.25.6 Growing and Emerging Concepts

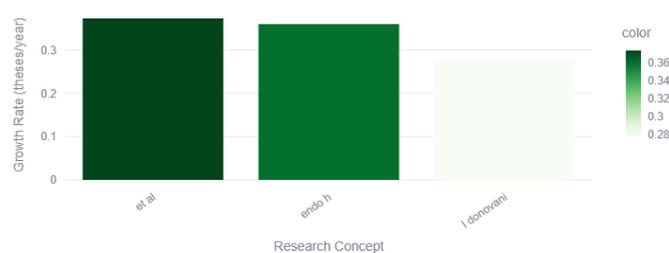


Figure 3.25.5: Microbiology: Growing Research Concept



3.26.4 Alluvial / Sankey Topic-Evolution Diagram

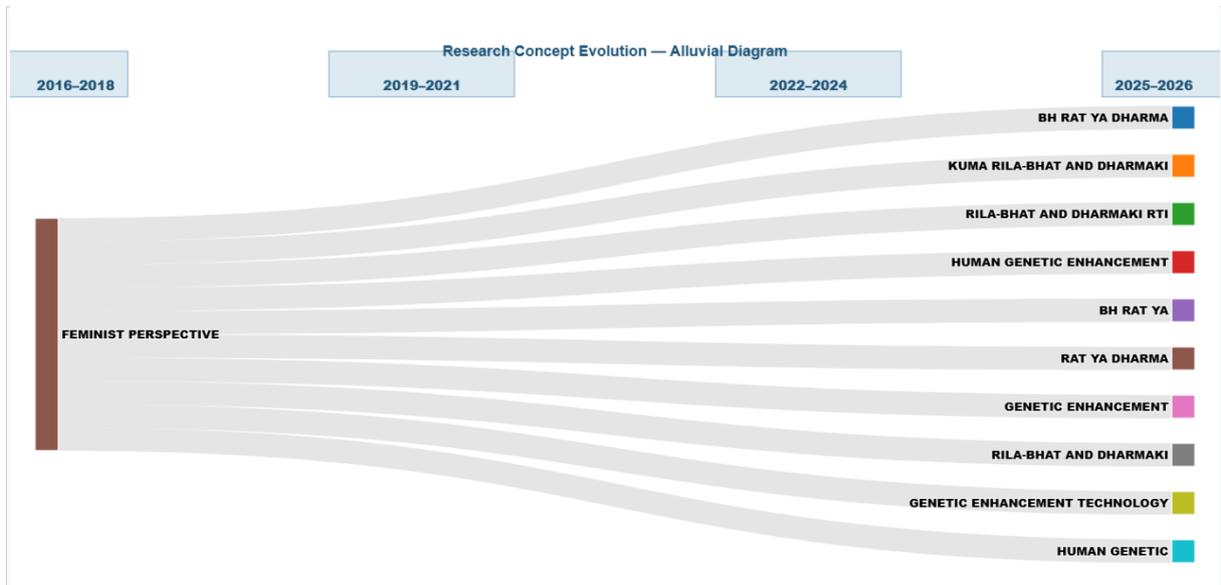


Figure 3.26.3: Philosophy: Alluvial diagram showing the topic evolution over 2016-2026

3.26.5 Research Concept Co-occurrence Network

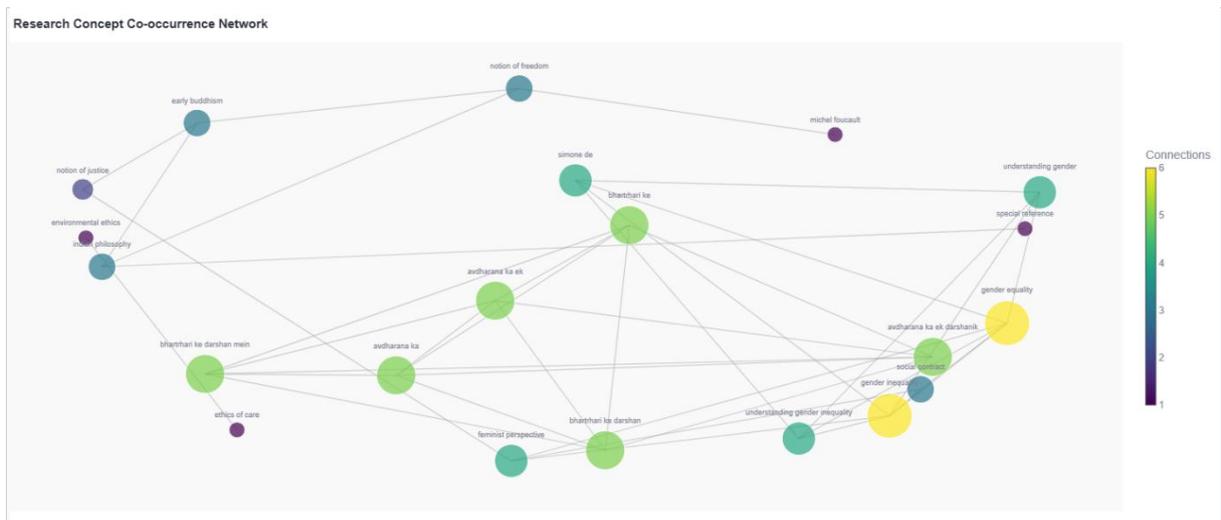


Figure 3.26.4: Philosophy: Research Concept Co-occurrence Network

3.26.6 Growing and Emerging Concepts

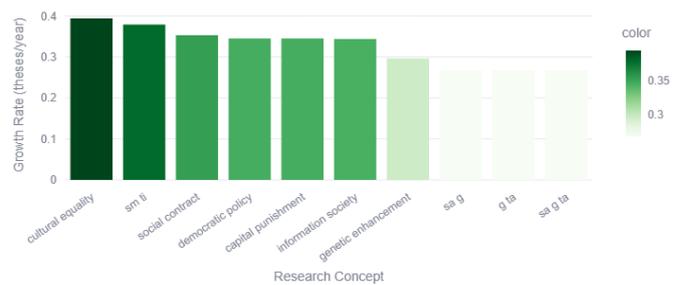


Figure 3.26.5: Philosophy: Growing Research Concept



3.27 Physical Education

3.27.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	113
Average per Year	11.3
Peak Year (Highest Output)	2016 18 Theses

3.27.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	1.856
Diversity Level	Highly diverse – research is spread across many topics
Dominant Topic Share	28.3%
Number of Active Topics	8

3.27.3 Top Research Concepts: Concept Cloud

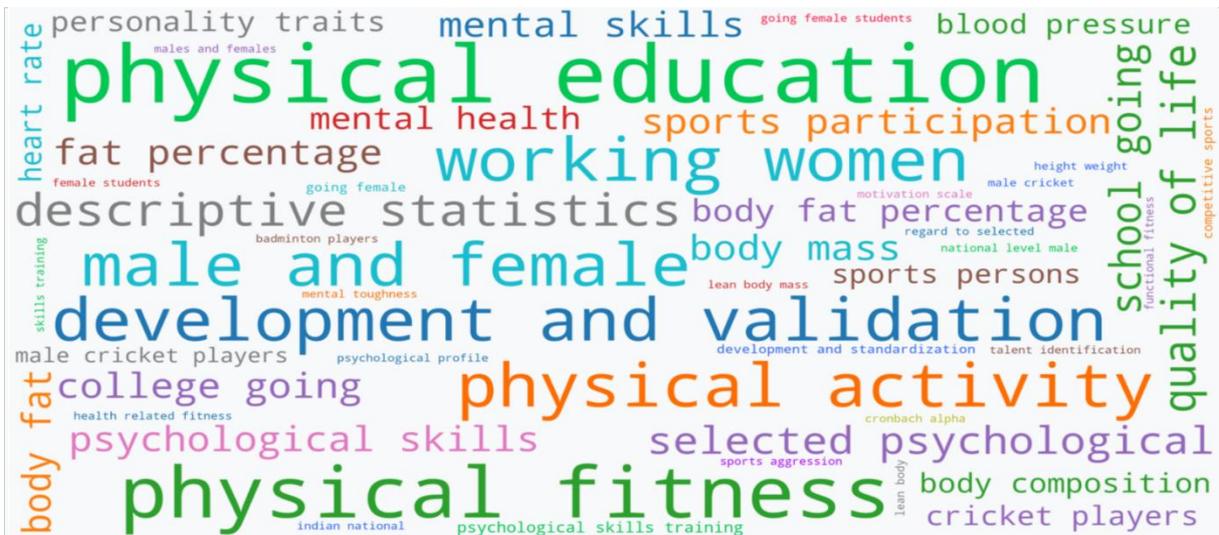


Figure 3.27.1: Physical Education: Concept Cloud showing Top Research Concepts

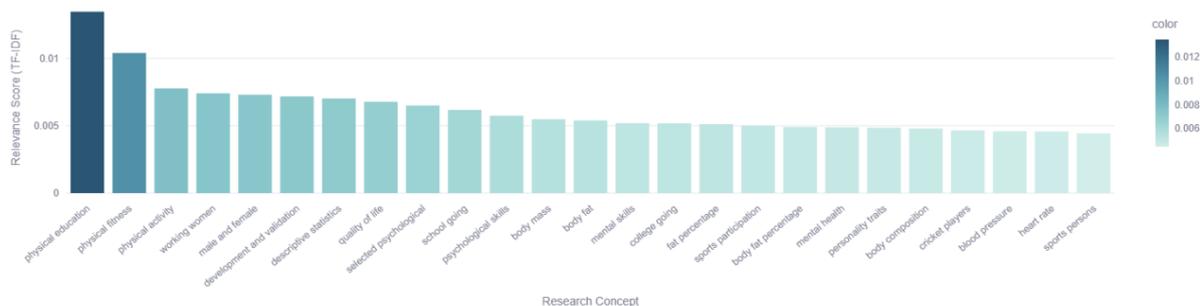


Figure 3.27.2: Physical Education: Top Concepts by Relevance



3.27.4 Alluvial / Sankey Topic-Evolution Diagram

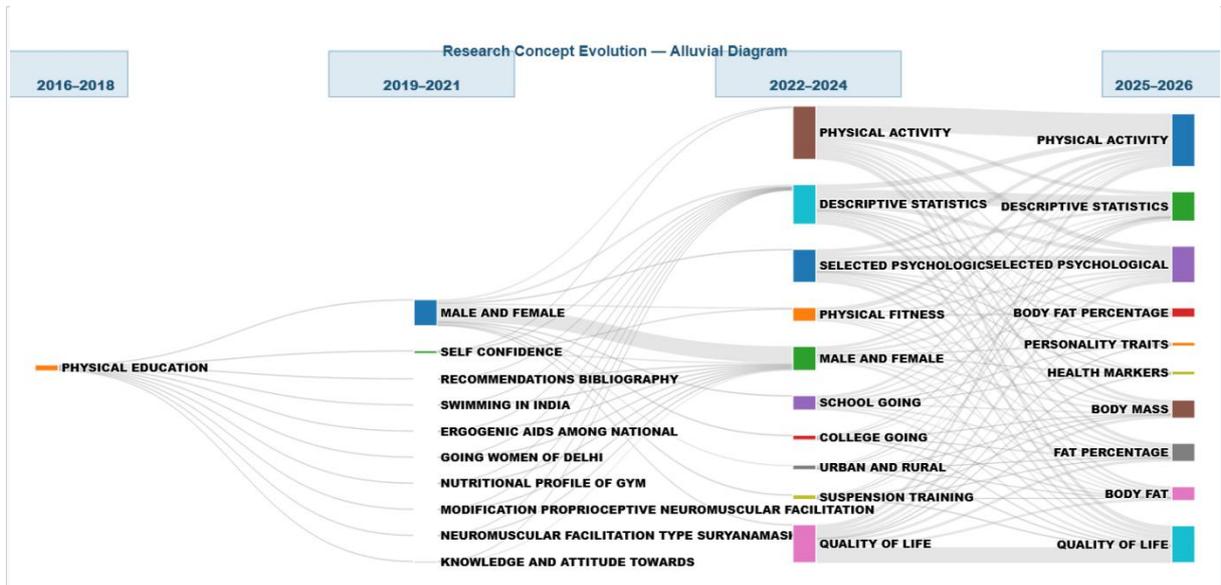


Figure 3.27.3: Physical Education: Alluvial diagram showing the topic evolution over 2016-2026

3.27.5 Research Concept Co-occurrence Network

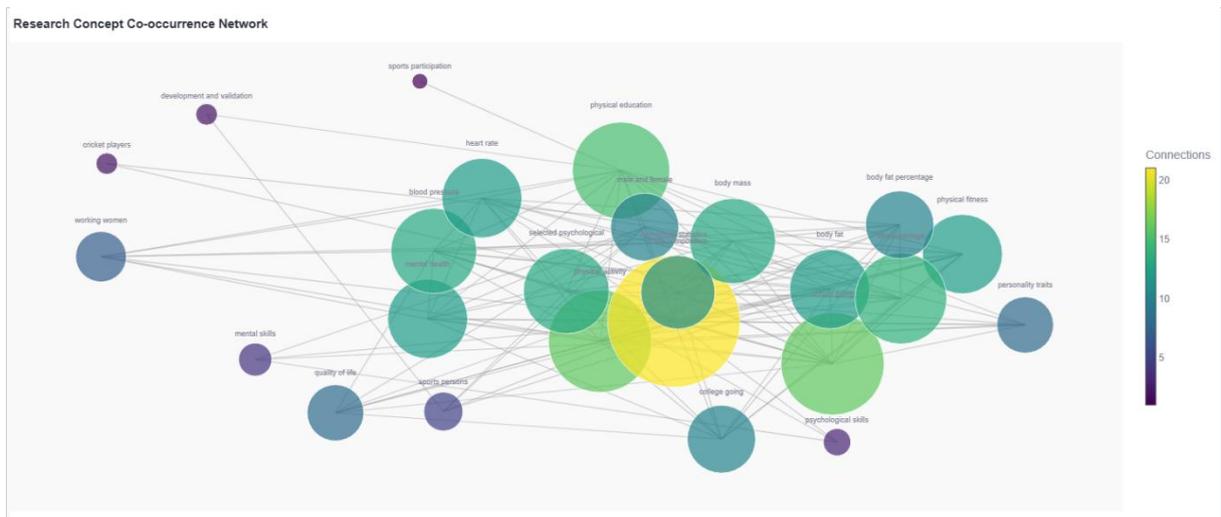


Figure 3.27.4: Physical Education: Research Concept Co-occurrence Network

3.27.6 Growing and Emerging Concepts

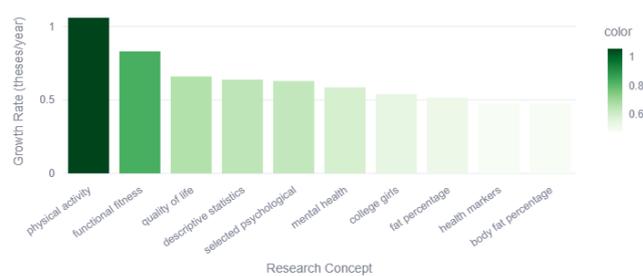


Figure 3.27.5: Physical Education: Growing Research Concept



3.28.4 Alluvial / Sankey Topic-Evolution Diagram

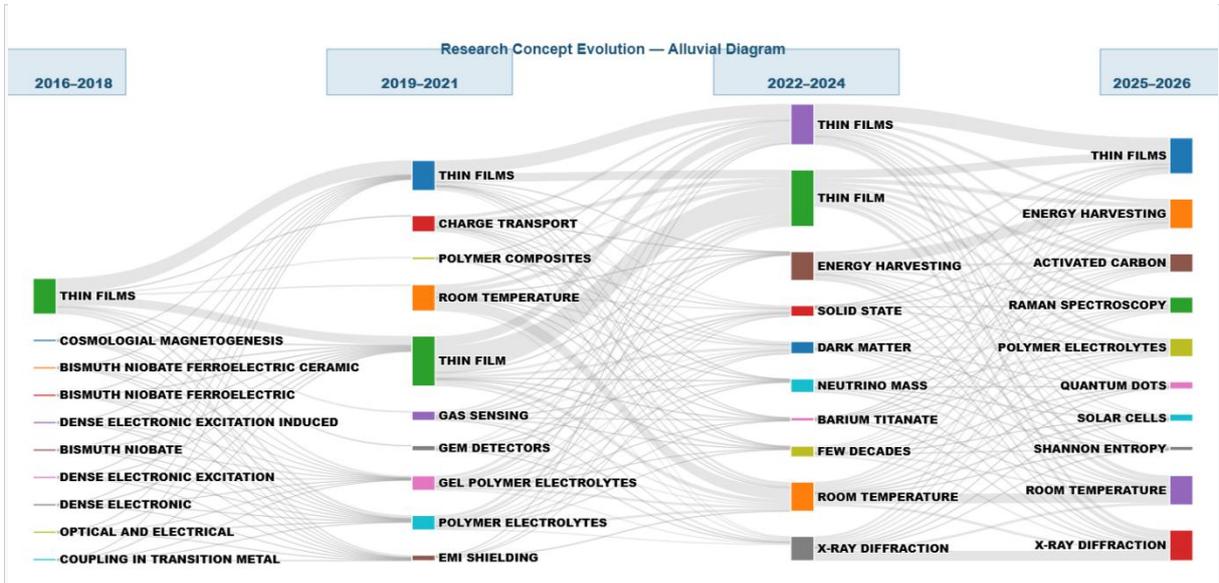


Figure 3.28.3: Physics and Astrophysics: Alluvial diagram showing the topic evolution over 2016-2026

3.28.5 Research Concept Co-occurrence Network

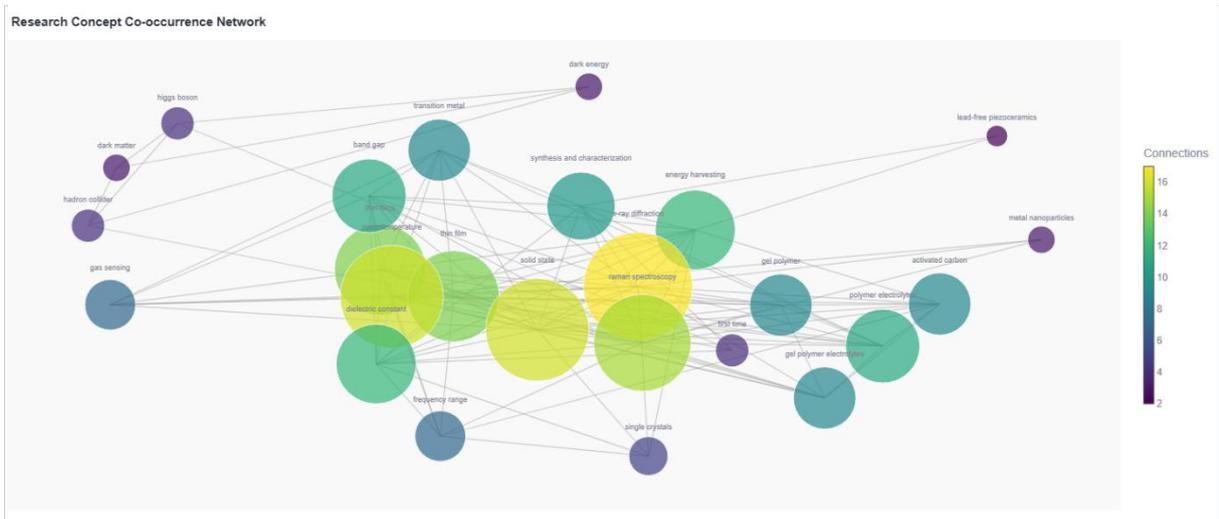


Figure 3.28.4: Physics and Astrophysics: Research Concept Co-occurrence Network

3.28.6 Growing and Emerging Concepts

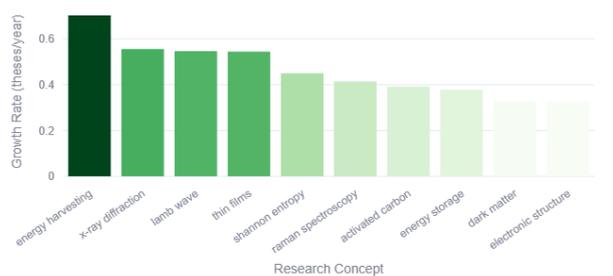


Figure 3.28.5: Physics and Astrophysics: Growing Research Concept



3.29.4 Alluvial / Sankey Topic-Evolution Diagram

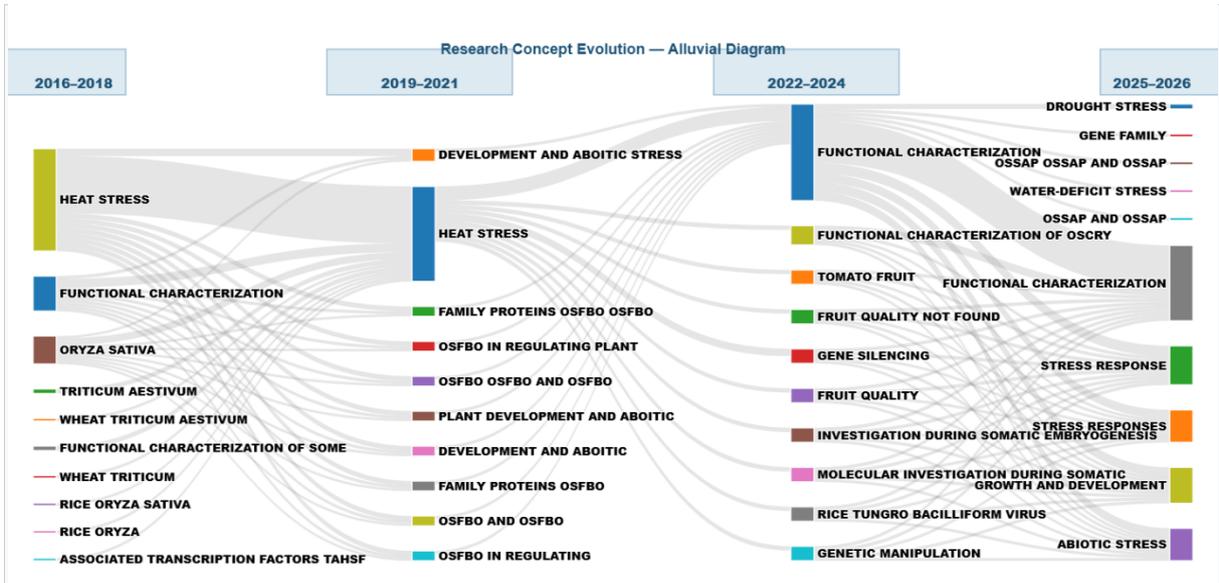


Figure 3.29.3: Plant and Molecular Biology: Alluvial diagram showing the topic evolution over 2016-2026

3.29.5 Research Concept Co-occurrence Network

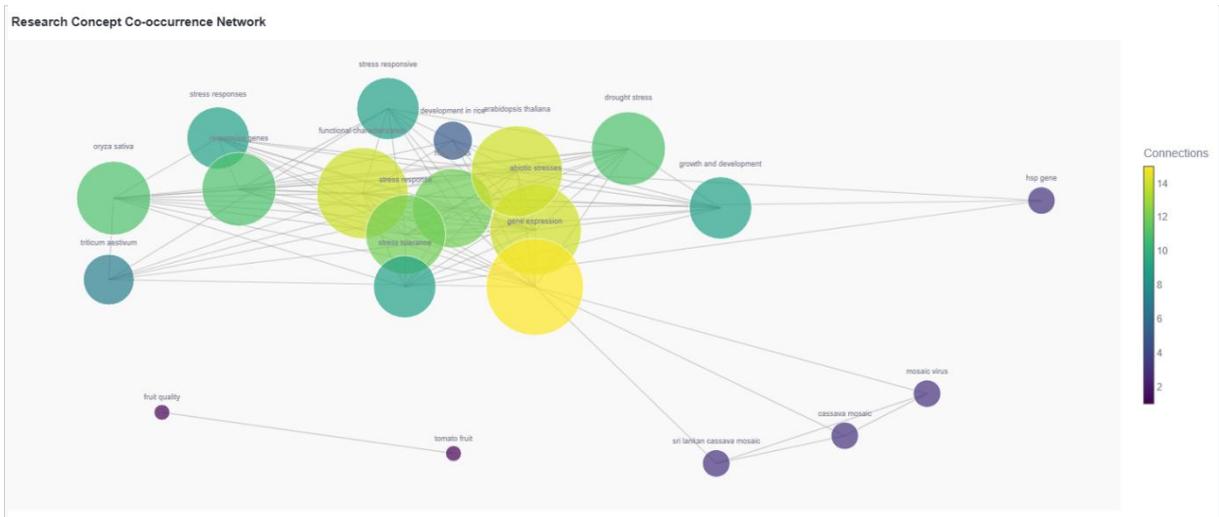


Figure 3.29.4: Plant and Molecular Biology: Research Concept Co-occurrence Network

3.29.6 Growing and Emerging Concepts

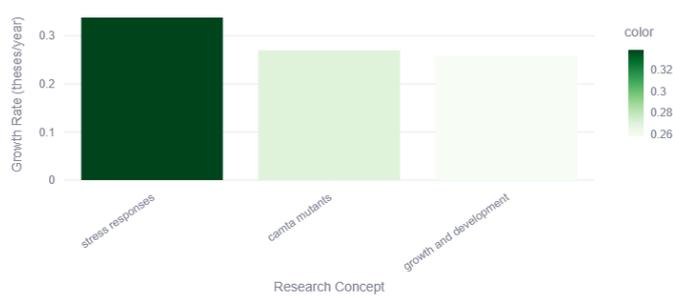


Figure 3.29.5: Plant and Molecular Biology: Growing Research Concept



3.30.4 Alluvial / Sankey Topic-Evolution Diagram

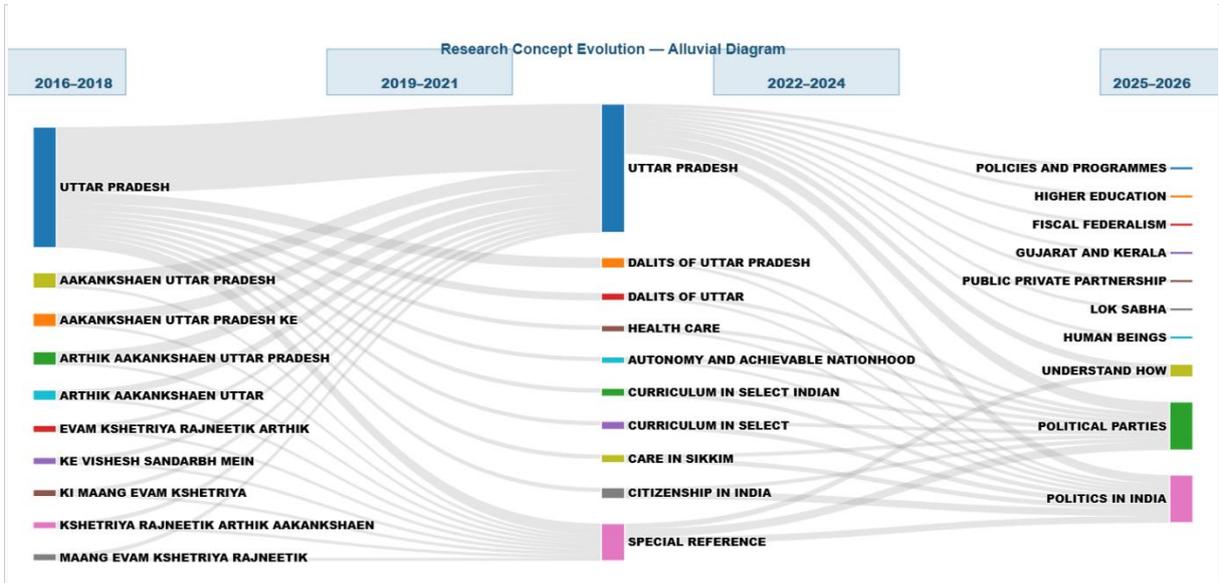


Figure 3.30.3: Political Science: Alluvial diagram showing the topic evolution over 2016-2026

3.30.5 Research Concept Co-occurrence Network

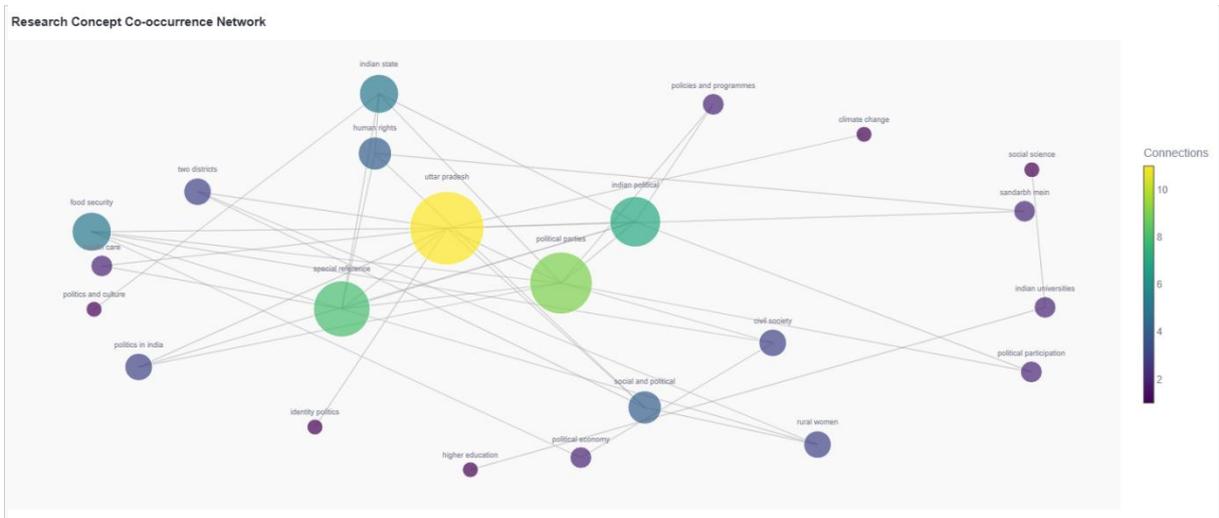


Figure 3.30.4: Political Science: Research Concept Co-occurrence Network

3.30.6 Growing and Emerging Concepts

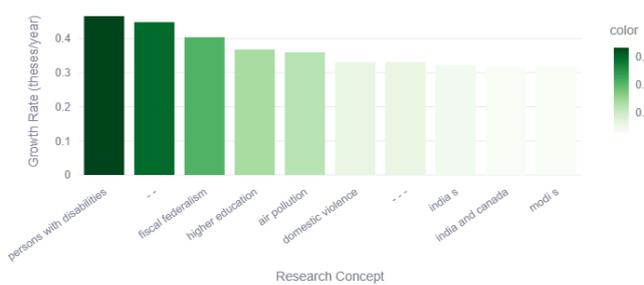


Figure 3.30.5: Political Science: Growing Research Concept



3.31.4 Alluvial / Sankey Topic-Evolution Diagram

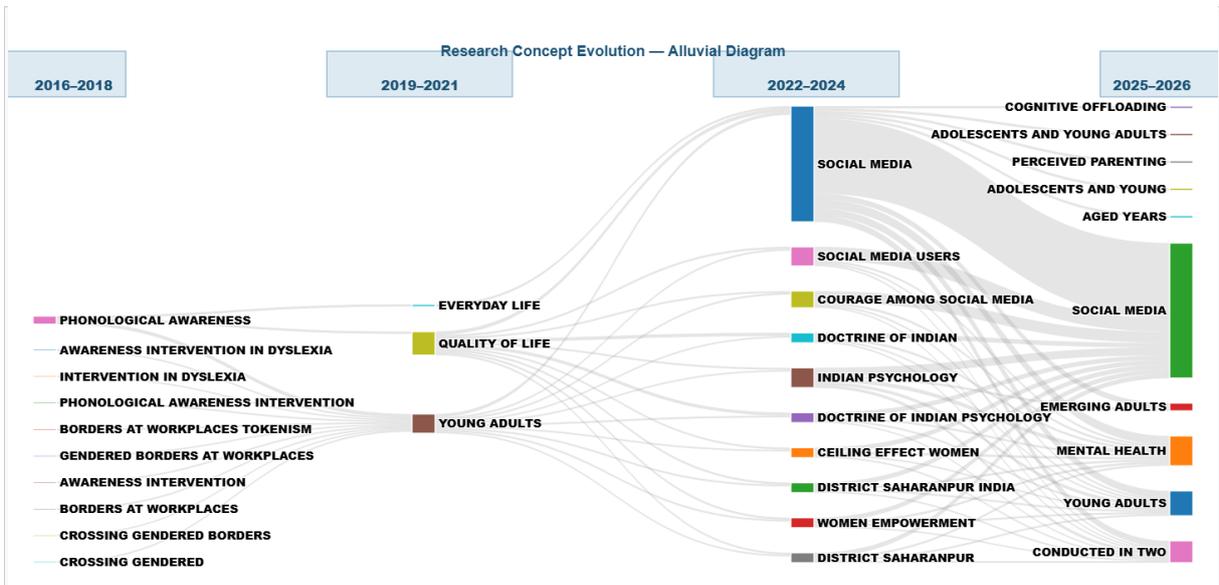


Figure 3.31.3: Psychology: Alluvial diagram showing the topic evolution over 2016-2026

3.31.5 Research Concept Co-occurrence Network

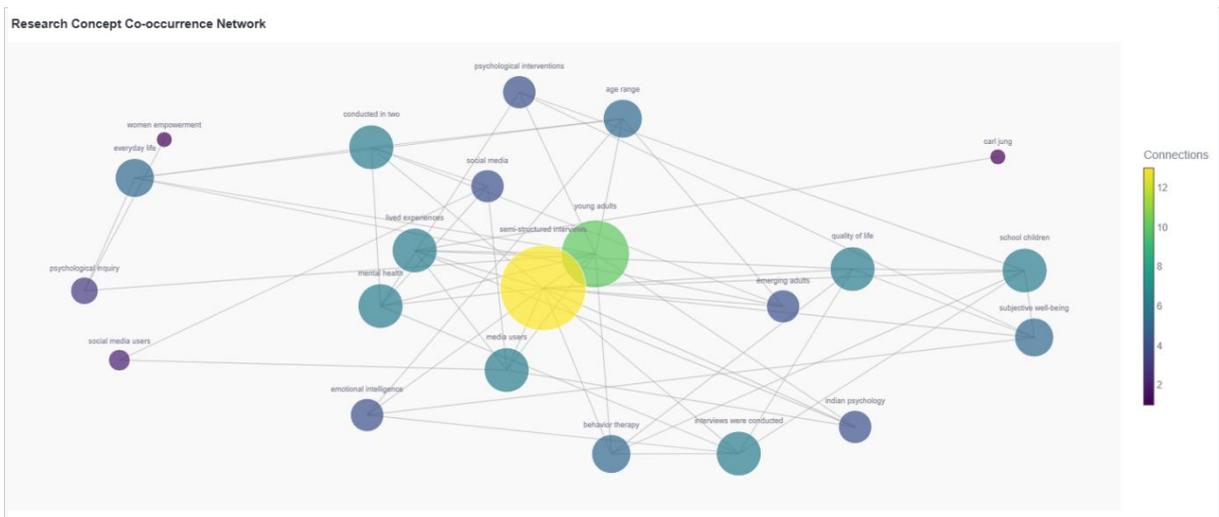


Figure 3.31.4: Psychology: Research Concept Co-occurrence Network

3.31.6 Growing and Emerging Concepts

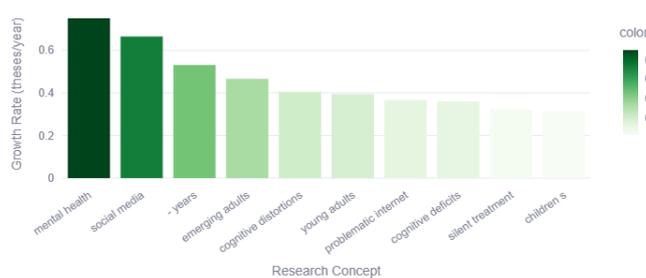


Figure 3.31.5: Psychology: Growing Research Concept



3.32.4 Alluvial / Sankey Topic-Evolution Diagram

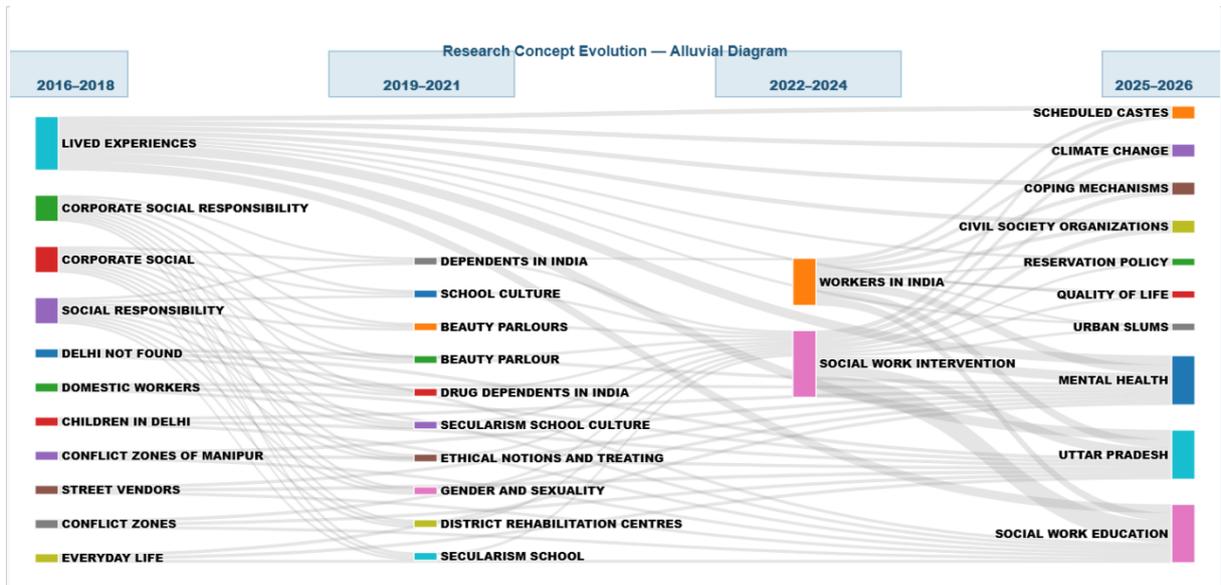


Figure 3.32.3: Sociology: Alluvial diagram showing the topic evolution over 2016-2026

3.32.5 Research Concept Co-occurrence Network

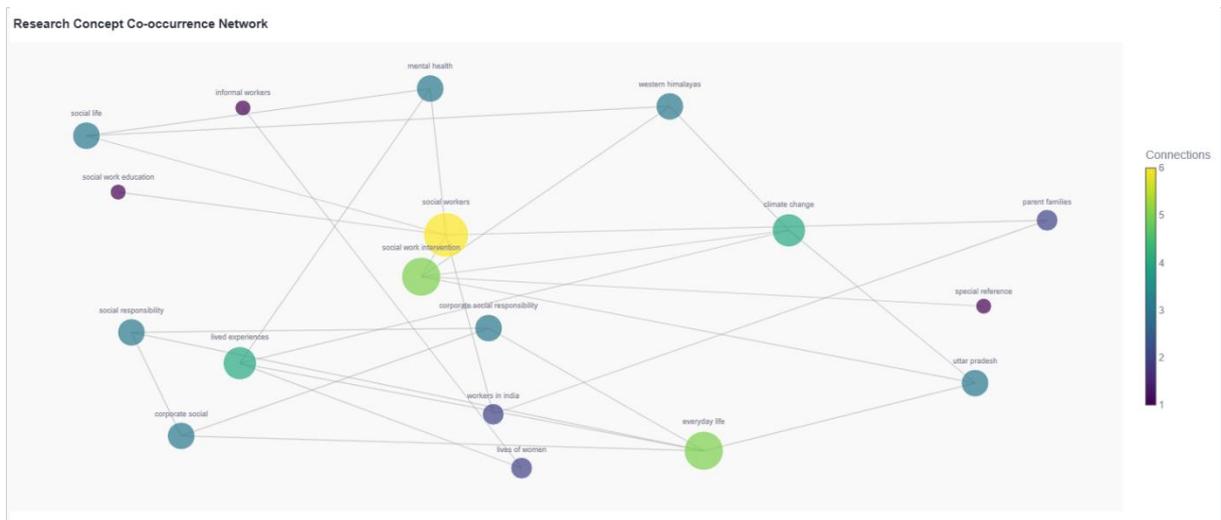


Figure 3.32.4: Sociology: Research Concept Co-occurrence Network

3.32.6 Growing and Emerging Concepts

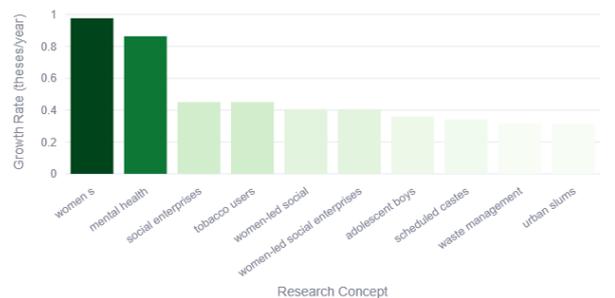


Figure 3.32.5: Sociology: Growing Research Concept



3.33 Statistics

3.33.1 Quantitative Summary

Metric	Value
Total Number of PhD Theses	41
Average per Year	4.1
Peak Year (Highest Output)	2024 11 Theses

3.33.2 Research Diversity

Diversity Metric	Score
Topic Entropy (Shannon)	1.993
Diversity Level	Highly diverse – research is spread across many topics
Dominant Topic Share	19.5%
Number of Active Topics	8

3.33.3 Top Research Concepts: Concept Cloud

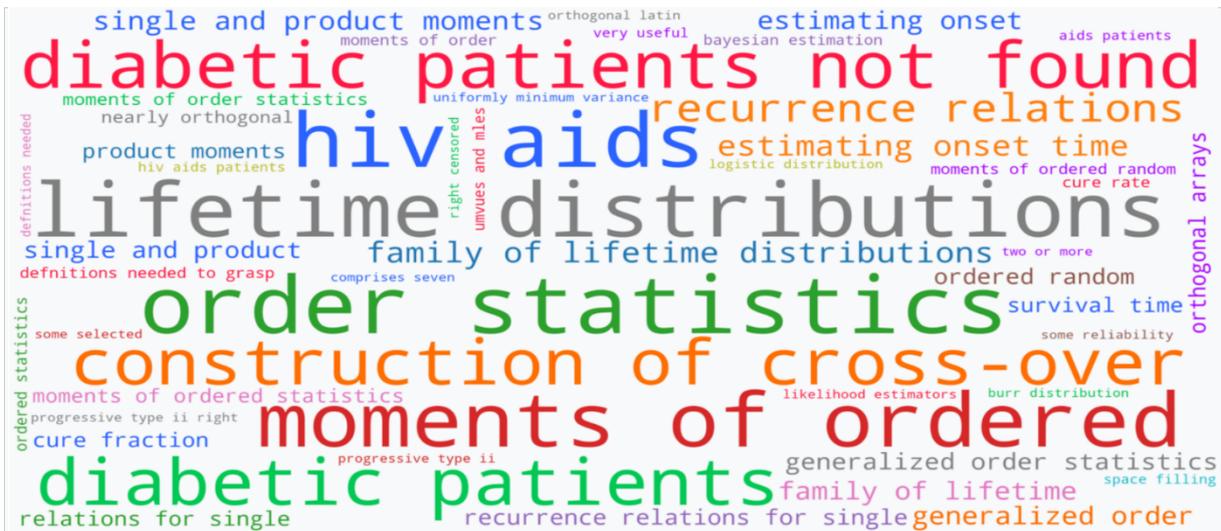


Figure 3.33.1: Statistics: Concept Cloud showing Top Research Concepts

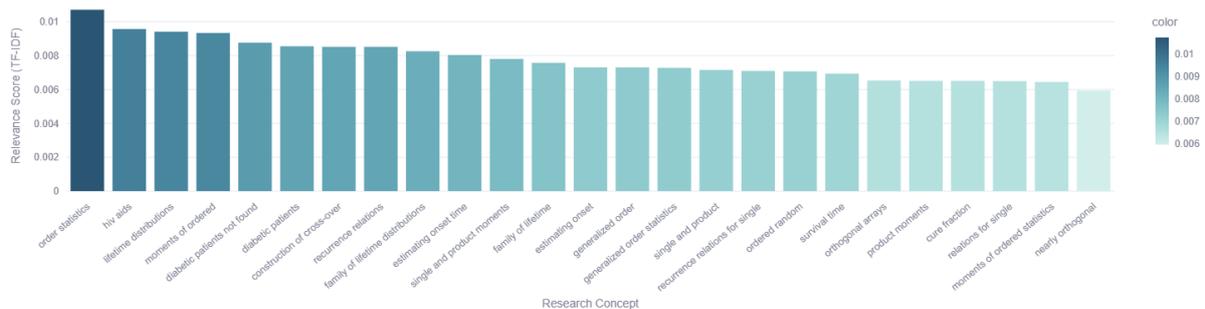


Figure 3.33.2: Statistics: Top Concepts by Relevance



3.33.4 Alluvial / Sankey Topic-Evolution Diagram

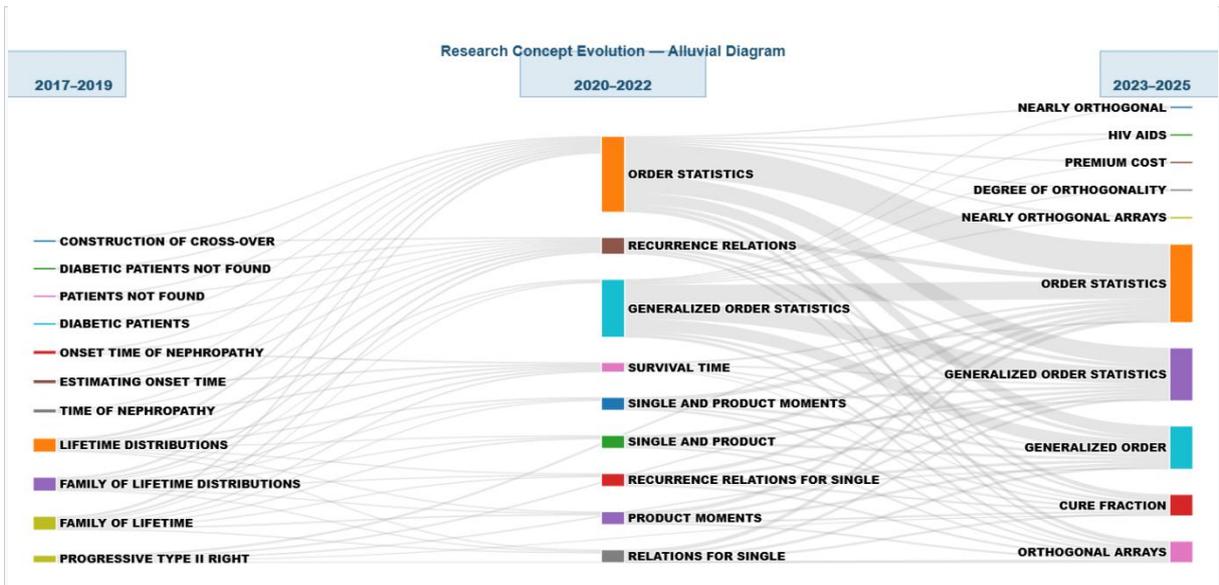


Figure 3.33.3: Statistics: Alluvial diagram showing the topic evolution over 2016-2026

3.33.5 Research Concept Co-occurrence Network

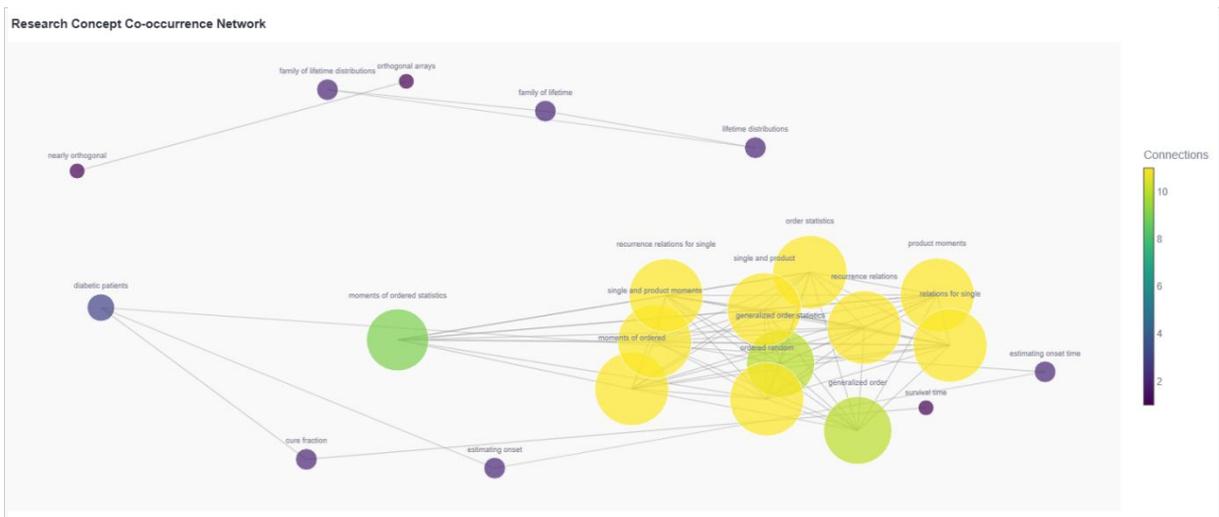


Figure 3.33.4: Statistics: Research Concept Co-occurrence Network

3.33.6 Growing and Emerging Concepts

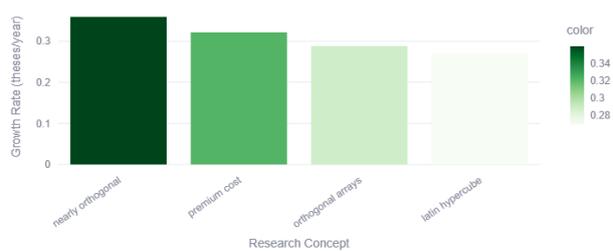


Figure 3.33.5: Statistics: Growing Research Concept



3.34.4 Alluvial / Sankey Topic-Evolution Diagram

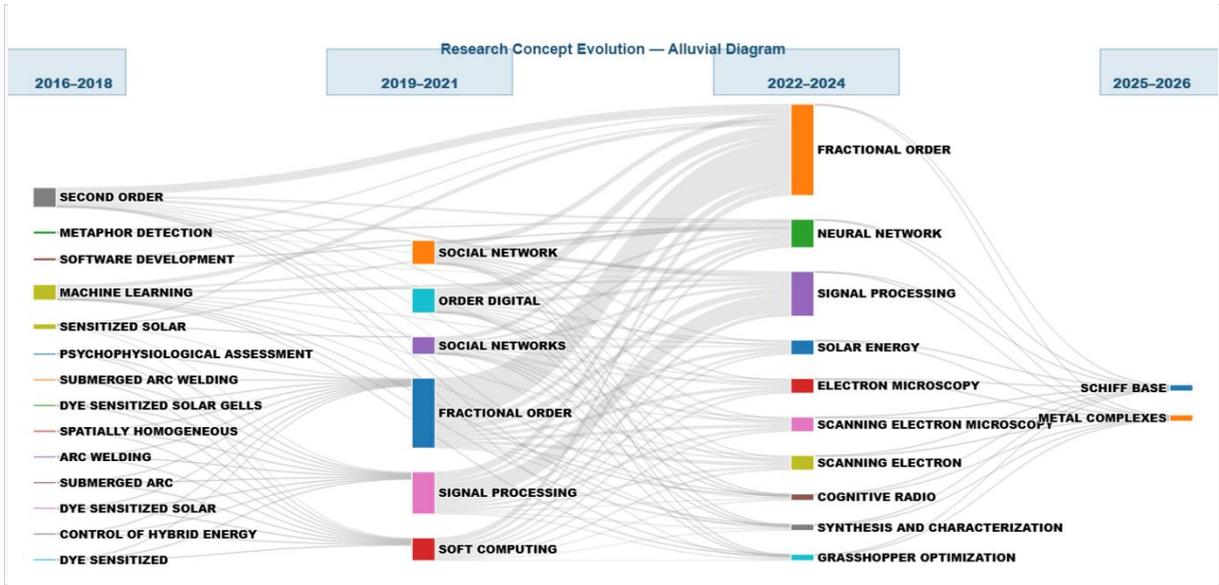


Figure 3.34.3: Technology: Alluvial diagram showing the topic evolution over 2016-2026

3.34.5 Research Concept Co-occurrence Network

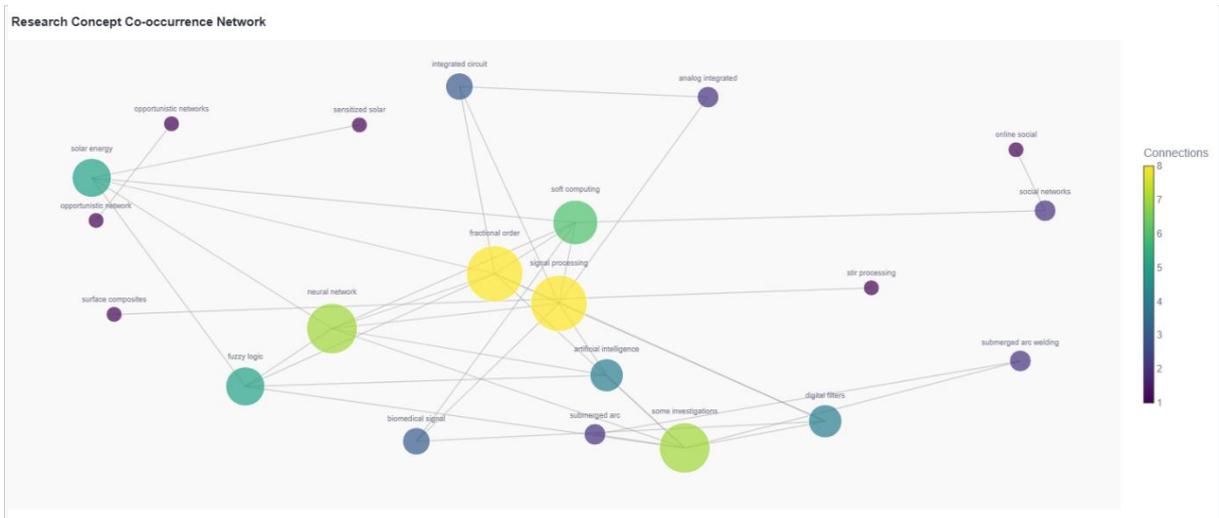


Figure 3.34.4: Technology: Research Concept Co-occurrence Network

3.34.6 Growing and Emerging Concepts

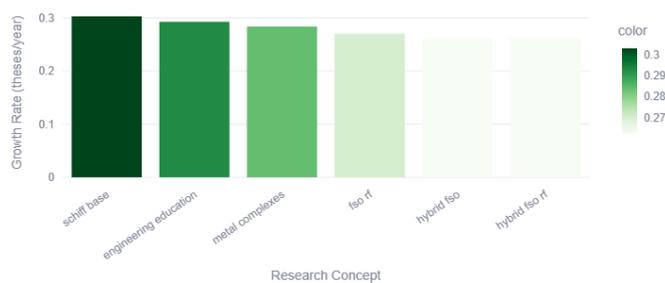


Figure 3.34.5: Technology: Growing Research Concept



3.35.4 Alluvial / Sankey Topic-Evolution Diagram

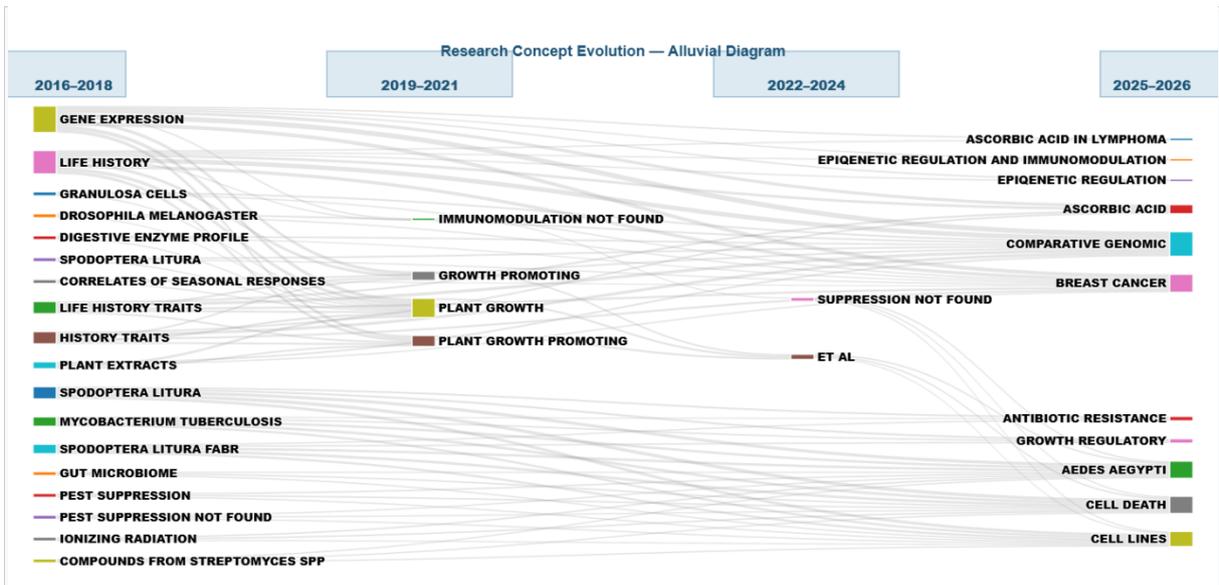


Figure 3.35.3: Zoology: Alluvial/Sankey diagram showing the topic evolution over 2016-2026

3.35.5 Research Concept Co-occurrence Network

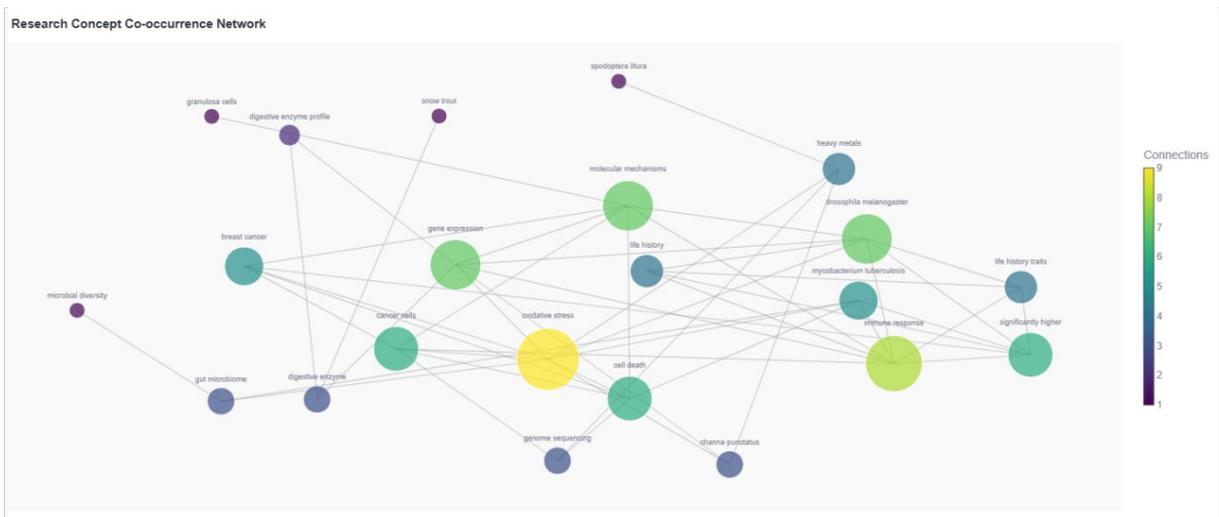


Figure 3.35.4: Zoology: Research Concept Co-occurrence Network

3.35.6 Growing and Emerging Concepts

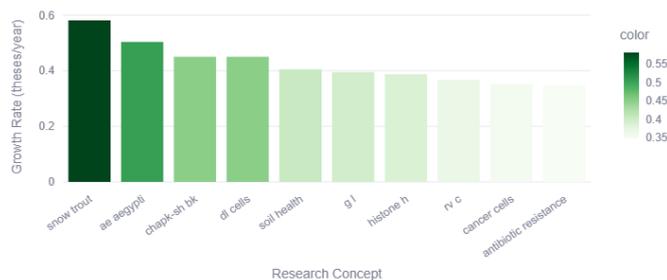


Figure 3.35.5: Zoology: Growing Research Concept



4. Conclusion

This comprehensive analysis of 4563 PhD theses submitted at the University of Delhi between 2016 and 2026 across 35 major disciplines demonstrates the University of Delhi's significant contribution to a highly diverse field.

In recent years, the disciplines 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 growing focus on sustainability, technological advancement, and social inclusion underscores the institution's commitment to producing research that is both relevant and influential. Consequently, analyzing these topics provides significant insights into the prospective trajectories of academic research in India and its correspondence with worldwide trends.

Moving forward, the University of Delhi is well-positioned to enhance its contributions to emerging areas across all its disciplines by implementing modern, innovative research methods and by providing adequate research infrastructure, resources, and services.

— End of Report —