

Methodology

Geoheritage of Ladakh

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Article_Analysis

Step_1 : Removal of Unwanted Items

1. Web of Science Record
2. Date of Export
3. Hot Paper Status
4. Highly Cited Status
5. Pubmed Id
6. Open Access Designations
7. IDS Number
8. Web of Science Index
9. Number of Pages
10. Early Access Date
11. Book DOI
12. Article Number
13. Start Page
14. End Page
15. Meeting Abstract
16. Special Issue
17. Supplement
18. Part Number
19. Issue
20. Volume
21. Publication Date
22. ISBN
23. eISSN
24. ISSN
25. Conference: Title, Date, Location, Sponsor, and Host (5 columns)
26. Document Type
27. Book Series Subtitle
28. Book Series Title
29. Book Author Full Names
30. Book Group Authors
31. Book Editors
32. Book Authors
33. Cited References

Step_2: Getting Countries from the affiliation address

1. Using a formula in numbers to extract Countries:

```
TRIM(RIGHT(K2, LEN(K2) - SEARCH("@", SUBSTITUTE(K2, "", "@", LEN(K2) -  
LEN(SUBSTITUTE(K2, ";", "", occurrence))),start-pos)))
```

2. Countries extracted from **affiliation address** column

Step_3: Indian Papers segregated from the entire set

1. Total of 86 indian papers extracted
2. Merge the sheet **WoS** into the sheet of **Scopus**
3. De-duplicates are removed on the basis of **UNIQUE ID Column: DOI**
4. **Duplicates** are identified using count if **countif Function: =COUNTIF(\$B\$2:B2,B2)**
5. **This will create 1s and 2s in another column: DOI_check**
6. **1s means first occurrence of that DOI (KEEP) and 2s means duplicate (REMOVE)**

7. **Duplicates** are then filtered out using **Filter function of Numbers; Filter to keep only unique DOIs**

- **Click Column: DOI_check**
- **Add Filter → Number**
- **Condition → is equal to 1**

8. **Now only one row per DOI remains visible.**

9. Rows with single doi occurrence is colored **Yellow and seperated into a new sheet:**

Updated_Database (Scopus+WoS)

10. Authors column is set to ascending order to Identify WoS documents (Authors column of WoS sheet is filled with 'J' in merged database)
11. So the 'J' are deleted and again Authors is set to Ascending order - Now we have seperated all WoS Documents (10 documents)
12. Further 7 documents (Scopus: 5 and WoS: 2) added at last which don't have any DOI

Final Outcome: Total No. of papers now increased to **131 papers** with **WoS: 12 and Scopus: 119**

Step_3: extraction of Ladakh related papers

1. Ladakh related papers were extracted from 131 collected papers from thier Titles, Abstracts and Keywords
2. A total of 8 papers were extracted from the corpus of 131 geoheritage dedicated papers of Indian context
3. Geosites are listed in tables, description and methodologies were extracted from the papers along with their coordinated
4. A KML file was created using coordinates, and plotted using simple "Google My Maps" and a boundary shape file of Ladakh region is retrived from National Water Informatics Centre and plotted the spatial distribution.
5. Papers were then analysed for:
 1. Geological framework explored
 2. Evaluation of the scientific, educational, and aesthetic value of sites listed.
 3. Preliminary assessment of the current threats to these listed sites