

Mapping the Impact of Research and Role of the Librarian

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ABSTRACT



Mapping is the study of measuring and analyzing science, technology, innovation, research, and publication output. It is also sometimes identified as scientometrics, bibliometrics, etc. and generally used for different types of quantitative and qualitative analysis based on data obtained from different sources. This article covers the different Bibliographic/Scientometric/Mapping Tools of Research Output. It gives a general overview of Scopus, Web of Science, Google Scholar, Vidwan, IRINS, ORCID, Journal Citation Reports (Impact Factor), SJR, CWTS Journal Indicator, SNIP Indicator, Google Scholar (Publish or Perish), Impact Factor, Immediacy Impact, Relatedness Index, Indian Citation Index and alike tools and services. It further talks about Citation Analysis and H-Index and presents few case studies of highly cited authors, journals and institutions. Nowadays, Altmetrics is becoming an emerging area of interest, and we should also consider Altmetric Score of an author apart from H-Index. This is now possible using different Altmetric tools. The author explores different mechanisms to improve the academic and research visibility of an individual and an institution. The role of Librarian has now become most important in not only mapping the impact of research but also in setting-up institutional repositories and in facilitating the research assessment process, to guide researchers and scientists to publish in high impact journals, to exploit knowledge of the publishing systems and journal impact and to impart them with the knowledge of Similarity Software and how to avoid Plagiarism. The study may be very useful for the Librarians and Researchers as it not only exposes them with the mapping tools, services and products but also elaborates as for how to use these in a simple way with the help of screenshots.

Keywords: Mapping; Scientometrics; Bibliometrics; Altmetrics; Citation Analysis; H-Index.



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