Citation Analysis of Ph.D. Theses on Physics Submitted to Dr. Babasaheb Ambedkar Marathwada University

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A citation analysis of Ph.D. theses submitted to Dr. Babasaheb Ambedkar Marathwada University Library was performed as a way of determining the use of information sources made by the scholars of the university. In the present study, 30 Ph.D. theses of Physics were chosen as a sample from the year January 2004-December 2008. There are 5726 citations in 30 theses. The data were collected from the bibliographical entries listed at the end of the theses, which was used by the researchers for completing the theses. The citations were photocopied and the data was collected. Citation analysis is carried out to find the types of cited documents, the chronological distribution of cited documents, to find out the authorship pattern of cited documents. The ranked list of cited journals and books, to find out the language-wise distribution, geographical distribution of cited documents, the ranked list of cited web – sources and the cited authors were studied.

Keywords: Citation analysis, Bibliometrics, Ph.D. Theses, Physics, Web-Citations, P-Citations Dr. Babasaheb Ambedkar Marathwada University.

1. Introduction

Citation analysis is a major area of bibliometric research, which uses various methods to establish relationship between authors and their work [1]. Citation analysis is a technique of bibliometrics. It is an important research tool to understand and to analyze the structure. It measures the utility of documents and relationship between authors and documents.

Citation analysis is an important tool used by the librarians, teachers and Information scientists to represent the relationships which exist between the cited and citing document. The technique of citation analysis involves the