Chapter - III
RESEARCH DESIGN

This chapter gives a brief details about the methodology adopted in this project.

3.1 Statement of the problem

It is decided by the researcher to study about the growth and development of commerce and management literature published in the journal “SMART Journal of Business and Management studies”. Hence, the study is the bibliometrics analysis of SMART Journal of Business and Management,

3.2 Period of study

The researcher decided to study the publication productivity of the journal since its inception i.e 2005 to 2012.

3.3 Objectives of the Study

The main of the present study is to no the publishing pattern of articles and other communication in the “SMART Journal of Business Management Studies” and International Journal. Published under aegis of the Department of Commerce and financial studies in Bharadhidasan University.

The following and the main objectives:

1. To reveal the trend of publishing articles in the Journal
2. To identify the scattering of research articles in the various subject areas of commerce and management covered by the journal studied.
3. To identify the institution wise and geographical contribution made to the journal.
4. To study the authorship pattern and examine the relevance of Lotkas Law
5. To identify the citations acknowledged by the articles published in the journal during the study period.

3.4 Sources of Data

The official journal published from the department of commerce and financial management studies in Bharathidasan University. (SMART Journal of Business Management Studies in National Journal published from the year 2005 has been taken for the study as the source.

3.5 Methodology

The researcher has collected the data by taking much pain by counting the records manually from the SMART Journal during 2005 to 2012 the manually collect data where entered to the Ms-excel with all bibliographic details including subject, heading of the articles published of the study period.

3.6 Analysis of Data

3.6.1 Number of Papers

Scientific papers are the outcome of scientific research. Naturally the number of papers published on a subject will give an indication of the extent of active research that is being carried on the subject.

3.6.2 Subject-wise Distribution

The titles of the papers were examined in order to ascertain their specific subject.
3.6.3 **Authorship Pattern**

With a view to identify the extent to research conducted by individuals in collaboration with each other, the number of authors mentioned in the papers was consulted and analyzed.

3.6.4 **Contribution of Different type of Institutions**

Nowadays, scientific research is carried out by different types of organisations. They include academic institution like universities and colleges, industrial organisation, R & D and so on. In order to ascertain the contributions from the different types of organisation, the institutions, the institutional affiliations of the authors was examined and analysed.

3.6.5 **Geographical Distribution of the contributions**

Details about the official address of the contributing authors were examined form the address given in the entries and the districts of their parent body were ascertained.

3.7 **Tools used for analysis of data:**

The following statistical tools were used to analyse and check the results.

1. Percentage Method
2. Growth Rate by Time Series analysis
3. Doubling Time by using Subramaniam’s Formula
4. Authors Productivity by Lotka’s Law
3.8 Chapterisation

The First Chapter explains the details about the importance of bibliometrics and its law was explained as ‘Introduction’.

The Second Chapter listed out the literature related to various findings and methods used in research related to bibliometric analysis, scientometric analysis on different subjects are arranged in order as ‘Review of Literature’.

The Third Chapter explains the Objectives, Hypotheses and Methodology in ‘Methodology’.

The Fourth Chapter classified and analysed the data in order and tabulated and inferred with suitable graphical representation as ‘Analysis of Data’.

The Fifth Chapter explains the ‘Findings and Conclusion’ of the study. The Research report is followed by its bibliography.