Chapter 3

Methodology
METHODOLOGY

This chapter deals with the methodology used in the present study and the chapter has been discussed under the following headings:

3.1 Selection of the problem
3.2 Objectives of the study
3.3 Hypotheses
3.4 Methodology
3.5 Tools used for study
3.6 Sample population
3.7 Scope of the study
3.8 Data collection procedure
3.9 Data analysis method.

3.1 SELECTION OF THE PROBLEM

The problem of the present study is “Use of e-journals by the PG students of the Faculty of Medicine, AMU, Aligarh: A survey”. The problem was selected by the investigator to get an idea about the accessing of e-journals by the PG students of the Faculty of Medicine in AMU, so that the library can make changes to the e-journal service depending upon the results and suggestions.

3.2 OBJECTIVES OF THE STUDY

The main objectives of the study are:

3.2.1 To examine the level of information of e-journal services by the PG students of the Faculty of Medicine in AMU.
3.2.2 To know the place from where they access e-journals.
3.2.3 To find out the purpose of using e-journals.
3.2.4 To know their experiences with the features and demerits of e-journals.
3.2.5 To know about the popular e-journal titles among the medical PG students in AMU.

3.2.6 To know the most preferred format for reading e-journals.

3.2.7 To find out the method of searching of e-journal articles.

3.2.8 To know the awareness of e-journal consortia.

3.2.9 To find out the problems faced by the PG students while accessing e-journals.

3.2.10 To know the effectiveness of e-journal service by the Medical College Library.

3.3 HYPOTHESES

3.3.1 Most of the PG students of the Faculty of Medicine in AMU are aware of e-journals.

3.3.2 Most of the PG students access e-journals in Medical College Library.

3.3.3 Most of the PG students are satisfied with the e-journal services provided by the Medical College Library.

3.3.4 Most of the PG students are facing problems while accessing e-journals.

3.3.5 Most of the PG students are aware of some e-journal consortia in Medicine.

3.4 METHODOLOGY

Methodology has its own importance in scientific investigation, because objectivity in any research investigation can not be obtained unless it is carried out in a very systematic and planned manner. Scientific investigation involves careful and proper adoption of research design, use of standardized tools and tests identifying adequate sample by using appropriate sampling techniques, some procedures for collecting data and then after careful tabulation, the use of appropriate statistical technique for analyzing the data. For this study the investigator used questionnaire method.
3.5 **TOOLS USED FOR THE STUDY**

Questionnaire was used as the tool for the present study for collecting data.

3.5.1 **QUESTIONNAIRE METHOD:**

Questionnaire is a tool to collect the data from the diverse large and widely scattered groups. This method of data collection is quite popular. A questionnaire consists of a number of questions printed in a definite order. In this method a questionnaire is given to a person concerned with a request to answer the question and return the questionnaire. The respondent has to answer the question on his own.

*Questionnaires are of two types*

1. **Open questionnaire:** - In this type of questionnaire no answer is given against question. Respondent supply the answer in his own words.

2. **Closed questionnaire:** - In this type of questionnaire, answer is given against the question. The respondent has to select the alternative answer written against the question. So the work of the respondent is to indicate his/her choice.

3.6 **SAMPLE POPULATION**

The present study was conducted on a sample of 76 PG students of the Faculty of Medicine in AMU, Aligarh. A total of 100 questionnaires were distributed out of 395 PG students of the Faculty and only 76 filled questionnaires were received back by the investigator. The investigator selected all the 76 questionnaires, which constitute about 20% of the total population of PG students, for the analysis of the data.

3.7 **SCOPE OF THE STUDY**

The present study is only concerned to the PG students of the Faculty of Medicine in AMU, Aligarh and their use of e-journals.
3.8 DATA COLLECTION PROCEDURE

For the present study, the investigator visited the Faculty of Medicine, AMU, Aligarh and approached the PG students of the Faculty to collect the necessary data. Questionnaires were distributed to the PG students and filled questionnaires were collected either on the spot or after one or two days.

3.9 DATA ANALYSIS

The data collected through questionnaires were organized and tabulated by using statistical methods and percentages.