ABSTRACT

**Purpose:** It is real fact that the studies on growth of research output in S & T Institutes in Assam and the role of libraries is of utmost significance. Although some sporadic attempts have made in this direction in India, nothing concrete has been achieved in this field in Assam except preparation of manuscripts available in different parts in Assam, bibliographies and archives in various libraries. In order to be of some concrete help to the faculties, scientists, research scholars, physicians, information scientists and also library & information professionals, this study was proposed to be undertaken.

**Design / Methodology / Approach:** Growth in the subject has been determined from the view points of literature, published sources, and research workers. The growth of research output of researchers in the different subjects as well as growth of different institutes has been traced out and has been analyzed. The contribution of researchers and institutes in terms of number of papers published on the subject has been treated as the productivity of the researchers and institutes. Various productivity constants are determined and have been applied. Different parameters like forms of research output, preference of publication media, media wise publications, highly productive authors & institutes, block period wise growth, subject wise growth, productivity journals, quality of research output according to journal impact factor, collaboration, growth of research as per geographical distribution, and others has been determined. As well as libraries of S & T Institutes, their working hours, collections, users visit, purpose of visit, sources use, library services avail by users, library automation, user
education, impact of users about library and others has been determined.

**Findings:** In Assam no research work has so far been done on growth of research output in S & T Institutes. In this study growth of research output in S & T Institutes in Assam from 1989 to 2008 has been subjected to determine forms of research output, preference of publication media, media wise publications, highly productive authors & institutes, block period wise growth, subject wise growth, productivity journals, quality of research output according to journal impact factor, collaboration, growth of research as per geographical distribution, and others has been determined. As well as libraries of S & T Institutes, their working hours, collections, users visit, purpose of visit, sources use, library services avail by users, library automation, user education, impact of users about library and others. Growth of research output has been traced from the researchers, studied annual reports and websites. A lot of information about growth of research output and libraries in S & T Institutes in Assam are found. There are more scope for further improvement and future study in this area.

**Research Limitations / Implications:** This is a beginning works to identify the growth of research output and the role of libraries. Further works in this area will include expansion of this study by bibliometric analysis, scientometric analysis, content analysis, citation analysis and others. The further growth of research output need to be study in due course with detail and the process should be continued.

**Practical Implications:** The result of this research can inform researcher, library and
information scientist, people, policymaker, institution, which seeks to more expansion and decision. This research work is anticipated to serve as groundwork on which more detailed study is able to be done. This type of study can be done in other subject matter also.

**Originality / Value:** This research will challenge the existing view of growth of research output published by the researchers and libraries role and necessary approach supposed to be undertaken. The study will also highlight the potentials of researchers and S & T Institutes located various places in Assam.

**Keywords:** S & T, S & T Institute, Researcher, Growth, Research Output, Publication Media, Block Year, S & T Library, KRC, User, Collection, Library service, Automation.

**Research Types:** Descriptive and Analysis.