GLOSSARY

To gain clarity and consistency the following terms are used with the meanings given below for the purpose of this study

Aging

It is treated as the notion of time. In the case of published articles aging is measured by counting citations. It is the process of growing old.

Articles

Articles (journal articles) are reports written by professional scholars on specific field in print or online journals. These may be called papers.

Author Self Citation

When an author cites his own papers it is called author self citation. If the citing paper has one or more authors in common with the cited paper one usually describes this feature as author self citation.

Authorship Collaboration

Multi-authored articles in a discipline are called authorship collaboration. The increase in authorship collaboration indicates multi-disciplinary studies and development in a subject.

Bibliographic Forms

It is the different physical forms of the documents used by the researchers of the doctoral dissertations. The most used bibliographic forms identified in this study are Periodicals, Books, Conference Papers, Theses & Dissertations, Reports, Newsletters, Web Resources and other documents.
Bibliography

A bibliography is a list of references at the end of a text and it should contain the name of the articles, the name of the books, magazine, or website, author, copyright date, publisher, page numbers, etc.

Bibliometrics

Bibliometrics is defined as the application of mathematics and statistical methods to books and other media of communication.

Citation

A bibliographic description of a reference item, which gives information about the cited journals, cited journal article, cited books, cited years, etc.

Citation analysis

Citation analysis is defined as an activity involving analysis of the citations or references, which forms a part of the primary scientific communication.

Cited literature

Cited literature is defined as literature that was cited by the citing literature.

Citing literature

The source of information or ideas must be credited directly in the text and this is known as citing literature. Usually, the sources are primary articles, books, texts, research reports, doctoral dissertations etc.

Corporate Bodies

An organization or group of persons that is identified by a particular name and that acts, or may act, as an entity. These are association, institutions, governments, religious bodies, business firms and non-profit enterprises.
Degree of collaboration

Degree of collaboration in respect of a discipline is the ratio of multi-authored papers published during a year and the total number of papers published during the year. That is,

\[ C = \frac{N(m)}{N(m) + N(s)} \]

Where, \( N(m) \) is the number of multi-authored papers and \( N(s) \) is the number of single authored papers.

Doctoral dissertation

Dissertation is a written essay, treatise or thesis, especially one written by a researcher for the degree of Doctor of Philosophy. It may also be called doctoral thesis or Ph D thesis or Ph D dissertation.

Half-life

Half-life is defined as the time during which one-half of the currently active literature was published.

Horticultural Crops

Horticultural crops are concerned with intensively cultivated plants that are used by people for food, for medicinal purposes, and for aesthetic gratification such as fruits, vegetables, flowers, nuts, spices and plantation crops.

Illustration

Illustration is considered as to explain and decorate by picture. The most used illustrations identified in this study are tables, figures/diagrams, and plates/photographs.

Informetrics

It is the study of the quantitative aspects of information in any form of document and in any social group.
Journal self citation

Self citation of journals occurs when an article in journal ‘X’ cites another article previously or simultaneously published in journal ‘X’.

Mean

The mean is the average. It is calculated by the sum of values of a data set divided by number of values.

Median

The median is the middle value in a data set. It is the middle value separating the greater and lesser halves of a data set.

Obsolescence

Obsolescence means the process of becoming obsolete; falling into disuse or becoming out of date.

Personal Author

The person is chiefly responsible for the creation of the intellectual or artistic content of a work.

References

A list of items appended to a published work with bibliographic details.

Researcher

A person who submitted the doctoral dissertation into any academic institution for Ph D degree may be recognized as research scholar or research scientist or doctoral student.

Scientists

They are concerned with supervisors and research scholars in the field of horticulture. It may also be called horticultural scientists.
Scientometrics

It is the quantitative study of the measurement of scientific and technological progress.

Self citation

The term self citation has been used with different meanings. If the citing paper has one or more authors in common with the cited paper one usually describes this feature as self citation. However, references to articles published in the same journal in which the citing article appears are also said to be self citations.

Standard Deviation

The standard deviation (represented by the Greek letter sigma, $\delta$) is a statistical measurement of a set of data from its mean. It is calculated as the square root of variance.

Supervisor

A person who is a teacher may be recognized as guide for guiding researchers for the PhD degree in any subject under any faculty of any academic institution.