An overview of Online Reference Management software's: an online study

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Abstract:

This article derives from an overview of online reference management software's that are most useful for researchers to manage their bibliographic citations. There are a number of different types of software packages that you can use to manage the bibliographic details of information and the documents you find during your degree or research. This article gives twenty nine number of reference management software's, name of software developer and latest version of software. When we begin our research for any piece of work, it is important that we record the details of the entire information that find by us, Reference Management Software's helps us to manage the bibliographic citations and also fulfills 4th law of S.R.Rangnathan "Save time of users" but everyone are not aware about the Reference Management Software's.

Keywords: References, Reference management, Reference Management Tools.

1. INTRODUCTION:

Today references also called citations are not just books and journal articles. They can include websites, e-publications, videos and more. Using a reference management tool we will make it a lot easier for us to not only collect and store our items, but also to organize and tag them (add meta data). A good tool will also provide us with the correct format for citing references in our papers. It's important to remember that we don't have to wed yourself to any one tool. They each have pros and cons, and we can use different ones for different things. We can sometimes also exchange references between tools pretty easily.[6]

Reference management software, citation management software or personal bibliographic management software is software for scholars and authors to use for recording and utilizing bibliographic citations (references). Once a citation has been recorded, it can be used time and again in generating bibliographies, such as lists of references in scholarly books, articles and essays. The development of reference management packages has been driven by the rapid expansion of scientific literature. Reference Management Software's are used by researchers in academics to manage the bibliographic citations they encounter in their research. With these tools, scholars keep track of the scientific literature they read, and to facilitate the editing of the scientific papers they write. Several different software packages exist, with sometimes different features and purposes. Most of this process can be automated by using a reference management tool. It can help us keep track of our citations and it makes sure that all our citations are put in us bibliography as well. All this according to the standard we choose. A reference management tool will saves our time, since we do not have to spend time on manually typing all the references for our bibliography and we do not have to struggle with commas, parentheses etc.[2]

2. DEFINITIONS

References:

"Reference is a relation between objects in which one object designates, or acts as a means by which to connect to or link to, another object. The first object in this relation is said to refer to the second object. The second object – the one to which the first object refers – is called the referent of the first object".[3]

The term reference is used in many spheres of human knowledge, adopting shades of meaning particular to the contexts in which it is used.

Reference Management:

Reference management is how you organize the references you use in your written papers e.g. It is to cite correctly in your papers, assignments etc. You can do all this manually or by using a reference management tool, For example it is a good idea to create your bibliography and to cite your references according to a specific method/standard. Your bibliography and your citations will look the same and it will make it easier for anyone to find the references, the literature you cite in your paper, assignment etc.[4]

Reference Management Software:

According to Telstar's definition, a Reference Management Software "enables an author to build a library of references by entering the details of each reference in a structured format." They usually support mechanisms for organizing sets of references by tagging or use of 'folders', and will generate references, citations or bibliographies in a range of referencing styles. Most packages support ways of importing records.[3]

"From library catalogues and other bibliographic data sources in order to facilitate the generation of references. In addition, many packages offer plug-ins or add-ons for Word processing software which enable authors to insert references from their 'library' directly into a document as they are writing" (JISC & Open University, 2010).

3. Need of the study:

When we begin our research for any piece of work, it is important that we record the details of the entire information that find by us, Reference Management Software's helps us to manage the bibliographic citations and also fulfills 4th law of S.R.Rangnathan "Save time of users" but everyone are not aware about the Reference Management Software's. Less Awareness about Reference Management Software's by the research scholars

4. Objectives:

- To explore and identify of the Reference Management Software's tools for the researchers to utilize and manage bibliographic citations/ references.
- To find out evaluation criteria of Reference Management Software's for search out which Reference Management Software's are user friendly so that many research students may rely on that software's.

5. Developments in RMS:

Reference Management is perceived to be tedious and time consuming by many researchers, especially when it is done manually. In the past, references used to be written on index cards and stored in boxes. Reference management software allows for the digitization of a personal collection of relevant scholarly publications. The earliest programs to manage the basic task of storing references and adding them to manuscripts have been around for over 25 years (including Endnote and BibTeX/LaTeX-based programs still popular today), but each individual entry had to be typed in by hand. In the last 15 years we have seen a number of significant developments that have made reference management much easier for the researcher:

- Retrieval of reference information from online bibliographic databases
- DOIs and other persistent identifiers for bibliographic information
- Automated management of PDF files
- Open Access for easier access to full-text content
- Web-based reference management easier for collaboration and use across multiple devices.[7]

We will need these details to provide accurate references, and to enable to locate the information again at a later

date, should it be necessary to do so. Reference management (or bibliographic) software allows to manage all the references we need for papers, reports, essays or thesis by enabling to keep them in our own personal database or library. It allows us to:

➢ Search easily for a particular reference to which need to refer back
➢ Print or save a list of references
➢ Insert citations into our document and automatically produce a bibliography in whatever style we require.[5]

These software packages normally consist of a database in which full bibliographic references can be entered, plus a system for generating selective lists of articles in the different formats required by publishers and scholarly journals. Modern reference management packages can usually be integrated with word processors so that a reference list in the appropriate format is produced automatically as an article is written, reducing the risk that a cited source is not included in the reference list. They will also have a facility for importing the details of publications from bibliographic databases.

6. Deference between Reference Management Software's and Bibliographic Database:

Reference management software does not do the same job as a bibliographic database, which tries to list all articles published in a particular discipline or group of disciplines; examples are those provided by Ovid Technologies (e.g. Medline), the Institute for Scientific Information (e.g. Web of Knowledge) or mono disciplinary learned societies e.g. the American Psychological Association (PsycINFO). These databases are large and have to be housed on major server installations. Reference management software collects a much smaller database, of the

Publications that have been used or are likely to be used by a particular author or group, and such a database can easily be housed on an individual's personal computers. Reference Management allows us to:

➢ Create, store and organize a personalized database of our references
➢ Enter references manually or import from library catalogues or databases
➢ Generate bibliographies/reference lists, choosing from 100s of bibliographic styles.

Although we may or may not consider them 'social media', reference management tools are one of the single most useful digital tools for a researcher today. Gone are the days of painstakingly changing each of our in text citations to a footnote or changing each full stop in a reference to a comma because a journal required it. Online reference management tools allow us to:

• Import references from different sources (e.g. websites, library catalogues, bibliographic databases)

• Manage and/or edit the references once they're in the system, and add manually any references that we cannot find online

• Export references into a document, either as a single bibliography, or individually (often called 'cite while we write') which generates a list of references.

• Format the bibliography according the referencing style of our choice, and re-format if/when necessary.[20]

7. Two main functions of Reference Management Software's:

a. Building a database of citations, useful for keeping track of and organize the documents useful for one's research
b. Formatting bibliographies and citations when writing paper. [1]

Other functions of Reference Management Software's:

• Import citations from bibliographic databases and websites
• Gather metadata from PDF files
• Allow organization of citations within the RM database
• Allow annotation of citations
• Allow sharing of the RM database or portions thereof with colleagues
• Allow data interchange with other RM products through standard metadata formats (e.g., RIS, BibTeX)
• Produce formatted citations in a variety of styles
• Work with word processing software to facilitate in-text citation.[7] Table 1: Reference Management Software's:

Sr.No	Name of Software	Name of Software Developer	Latest Version of Software
1	Aigaion	Aigaion developers	2012-01-18 (2.2)
2	Bebop	ALaRI Institute	2009-11-10 (1.1)
3	BibBase	Christian Fritz	2013-07 (v3)

4	BibDesk	BibDesk developers	June 3, 2019; (v1.7.3)
5	Biblioscape	CG Information	10.0.3.6 / June 22, 2015
6	Bibsonomy	University of Kassel	2018-07-30 (3.8.13)
7	Bibus	Bibus developers	2013-05-23 (1.5.1)
8	Bookends	Sonny Software	2019-06-22 (13.2.4)
9	Citavi	Swiss Academic Software	2019-01-10 (6.3)
10	CiteULke	Oversity Limited	Shut down in 2019-03-30
11	Colwiz	colwiz Ltd	2013
	F1000Workspace	F1000/Science Navigation Group	Continually updated online
12	Decear	Otto-von-Guericke University Magdeburg and University Cali	2013-10-17 (1.0)
13	EndNote	Thomson Reuters	12 Nov 2019 (X9)
14	JabRef	JabRef developers	2018-06-05 (4.3.1)
15	KBibTeX	KBibTeX developers	2018-06-21 (0.8.1)
16	Mendeley	Elsevier	2018 (1.19)
17	Papers	Springer	Continually updated online
18	Pybliographer	pybliographer developers	2018-04-03 (1.4.0)
19	Qiqqa	Qiqqa	2016-09 (v79)
20	refbase	refbase developers	2014-02-28 (0.9.6)
21	RefDB	refdb developers	2007-11-05 (0.9.9)
22	Reference Manager	Thomson Reuters	network version; built-in web publishing tool; discontinued
23	Referencer	Referencer developers	2013-05-07 (1.2.0)
24	RefWork	RefWorks / ProQuest	2013
25	SciRef	Scientific Programs	2012-11-20 (1.0)
26	Sente	Third Street Software, Inc.	Shut down in 2017
27	Wikindx	Mark Grimshaw	2019-08-20 (5.8.2)
28	WizFolio	WizPatent	Shut down in 2017
29	Zotero	Roy Rosenzweig Center for History and New Media at GMU	2019-06-14 (5.0.67)

8. Evaluation Criteria's of Reference Management Software's are:
1. Operating system support
2. Export file formats
3. Citation styles
4. Reference list file formats
5. Word processor integration
6. Database connectivity
7. Password "protection" and network versions
8. Ease of Use / Usability
9. Help
10. Compatibility
11. Costs
12. What features should my reference management software offer?
13. Where do I usually work?
14. Mobile Access
15. Personal Storage Space
16. Syncing Documents
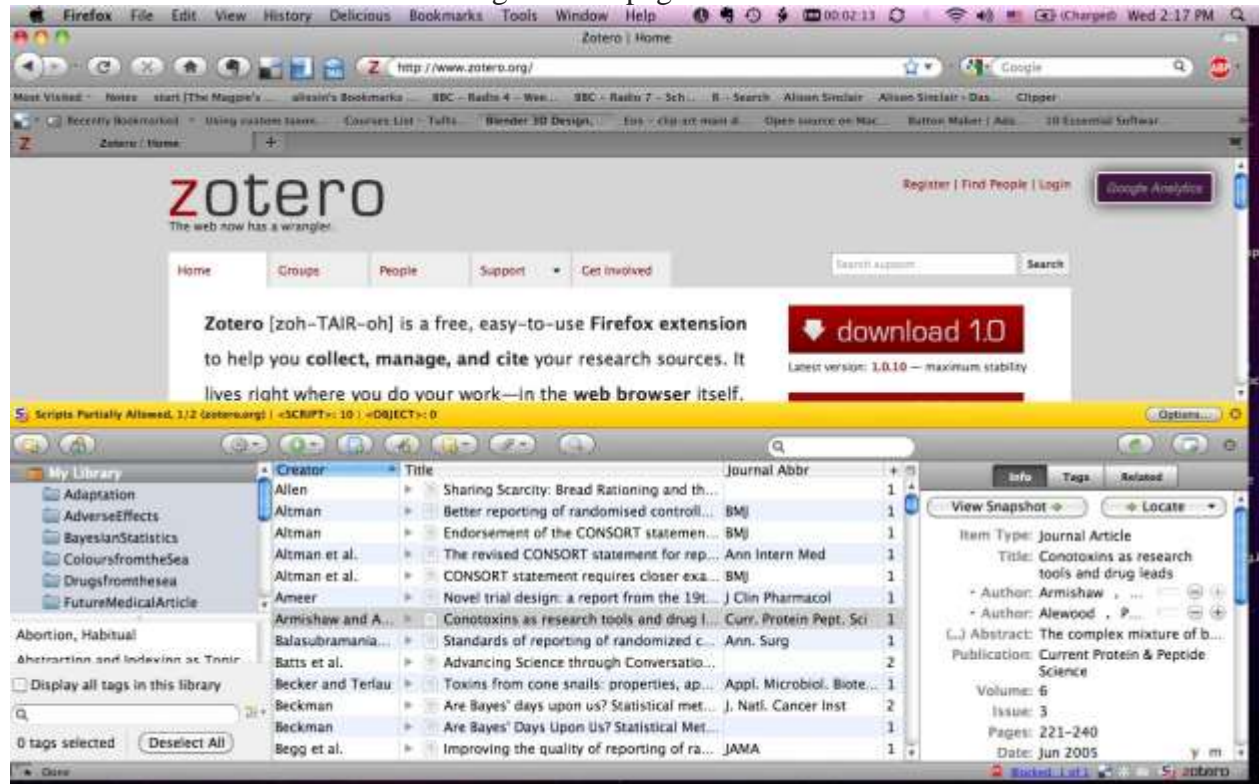17. Syncing Citations
18. Import file formats

- Primary Importing Process ,
- Secondary Importing Processes,
- Importing from catalogues and discovery layers
19. Access and Subscriptions
20. Platform

9. Some very useful Reference Management Software's:

Zotero

Zotero is the free open source reference management software to manage citations such as PDF files. The website for free download zotero sofeware https://www.zotero.org/ Zotero 4.0, released in April 2013, includes new features such as automatic journal abbreviations, colored tags, on-demand file syncing.

Fig.1 Home page of zotero

Endnote

Endnote is the commercial reference management software produced by Thomson Reuters. They give 30 days' free trial for the users. The official website of endnote is http://myendnoteweb.com. In the Endnote software having several ways to add a reference to a library: manually, exporting, importing, copying from another EndNote library, connecting from EndNote.
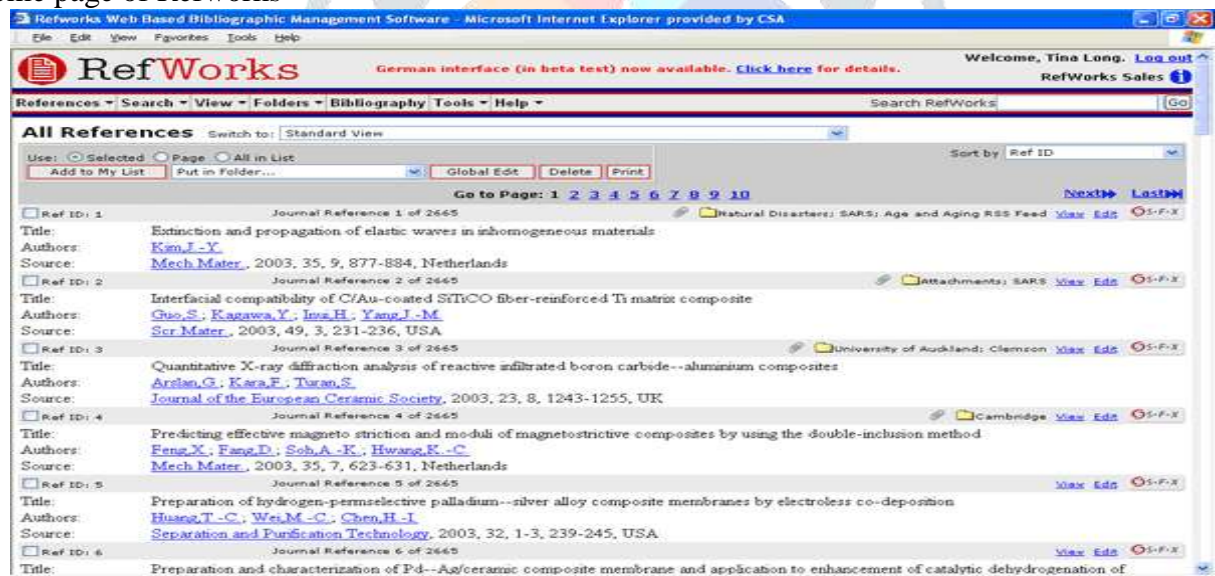
Fig.2: Endnote homepage

Refworks:

RefWorks is an online research management, writing and collaboration tool is designed to help researchers easily gather, manage, store and share all types of information, as well as generate citations and bibliographies. The official website is https://www.refworks.com/.

Fig.3: Home page of Refworks

Conclusion: In 21st century is the need to know the Reference Management Software's for the researchers to manage their citations or bibliographic details of the documents. Twenty Nine reference management software's, Name of software developer and also latest version of software mentioned in this paper because the main aim of this paper is to find out online reference management software's. Twenty evaluation criteria's found for the search out which RMS tools is most useful so that many research students may rely on that software's.

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