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## ONLINE REFERENCE MANAGEMENT SOFTWARE AVAILABLE FOR

## RESEARCHERS

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In today's scientific research and production, the practice of bibliographic citation management and "backward chaining" (Palmer,Teffeau, and Pirmann 11) can be managed by dedicated software tools, commonly known as 'Personal bibliographic software's', 'Bibliographic Citation Management Software', 'Citation managers'.

Following the Telstar definition, the term "Reference Management Software" will be used (from now on shortened in RMS). According to **Telstar's definition**, RMS has two main functions: 1. building a database of citations to organize the documents useful for one's research; 2. formatting bibliographies and citations when writing papers through plug-ins or add-ons for Word processing software.

As a place of continuous and seamless interaction and integration: citations are shared, discussed, commented, suggested within members of the scientific community. sometimes adopting the features of virtual web collaboration networks, such as academic social bookmarking ( **Alhoori and Furuta; Fourie**)

RMS can act as a virtual research environment, or a platform for a "collaboratory" ( **Bos**; **Voss and Procter**).

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Today's packages offer advanced features which vary from software to software, from

the PDF storage and organization to including ways for annotation and sharing of data. The

most prominent feature relates to the very nature of a "global information infrastructure"

(Borgman)

Reference management software, citation management software or personal

bibliographic management software is software for scholars and authors to use for recording

and utilising 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.

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.

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), Thomson Reuters (e.g.

Web of Science) or monodisciplinary learned societies e.g. the American Psychological

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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 computer.

Apart from managing references, most reference management software also enables users to

search references from online libraries. These online libraries are usually based on Z39.50

public protocol. Users just need to specify the IP address, database name and keywords to

start a Z39.50 search. It is quicker and more efficient than a web browser. However, Z39.50

is a little out of date. Some popular scientific websites, such as Google Scholar, IEEE Xplore

and arXiv, do not support the Z39.50 protocol.

**RM Database Features and Functions** 

**Organization** 

Reference managers offer a number of ways to organize references. Generally, these

fall into the categories of the old-school "folder" approach to organization and the more

"Web 2.0" approach of tagging. Of the products tested, only RefWorks does not explicitly

allow tagging, although a skilled user could edit the "descriptors" field to include his own

taxonomy of tags. Only CiteULike lacks an explicit "folders" feature, but folder functionality

could be emulated by either judicious use of tags or by creating groups. In addition,

Mendeley allows users to search the full text of one's PDF library, which has been argued to

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be a more straightforward method of organizing and discovering information, thereby,

eliminating the need for folders or tags (Crotty 2009).

**Searching and Sorting** 

All of the products tested allow searching within one's library of references, including

searching of user-created notes. CiteULike and Mendeley also let users search the entire

universe of references in their respective databases, making them tools for resource

discovery. These two products also allow users to assign importance ratings to references

and to use these as a sorting criterion. This feature is best developed in CiteULike, where

users can rate references on a five-point scale ranging from "I don't really want to read it" to

"Top priority!" CiteULike highlights frequently tagged articles in its "CiteGeist" list. This is

certainly not a mission-critical feature, but it may enhance the value of CiteULike as a

current awareness tool. Zotero and RefWorks allow searching only within one's own library,

but offer field-specific searching.

**Annotation** 

All of the products tested allow users to add notes to their references, and, if sharing is

supported, to make those notes available to collaborators. Mendeley offers the important

additional capability of letting users add notes directly to a saved PDF. This unique feature is

very useful for researchers with large PDF libraries. It can be especially helpful when

dealing with large documents, where it might be important to associate notes with particular

Page | 310 www.klibjlis.com

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parts of the text. CiteULike, in keeping with its more "social" orientation, lets users post

public comments on references.

**Data Migration** 

Movement of data between various reference managers is generally very easy, thanks

to standardized metadata formats, especially RIS and BibTeX. These two formats can be

both exported and imported by all of the RMs examined. Formats other than RIS and

BibTeX are supported by some of the products. CiteULike is unique in offering automatic

syncing with a Delicious account, while Zotero allows data interchange with Firefox

bookmarks, and Mendeley supports syncing with a Zotero account. Importing and exporting

of data provides security as a user can download a backup of his library. It also offers

flexibility by facilitating migration to a new product or enabling a user to use two RMs in

concert.

**Data Storage** 

CiteULike offers unlimited, free storage. RefWorks also offers unlimited storage, once

one has paid for the product. Zotero and Mendeley offer limited free storage (100 MB and 1

GB, respectively), with the option to purchase additional storage if it is needed. Citations

themselves do not take a great deal of memory, but associated PDFs can consume memory

very quickly.

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**Sharing** 

All four of the products under consideration offer some capability for sharing part or

all of one's reference library with other users of the product. RefWorks, as a commercial

product, has a distinct disadvantage: one can easily invite a new collaborator to open an

account with CiteULike or another free product, but asking him to subscribe to RefWorks

would be a serious imposition. Perhaps for this reason, RefWorks is the only one of the

products that does not offer the ability to create personal profiles or to locate researchers

with similar interests. RefWorks offers an add-on called "RefShare" for institutional

subscriptions only, which allows one to let others see a set of references, but in a completely

non-interactive way. In order to truly share libraries of references, one would have to create a

new account and share that username and password with others (a capability that exists

without paying extra for RefShare).

"Social" features of the other three managers are similar to each other, mimicking the

functionality of popular social web applications such as Facebook and Delicious. All allow

users to create groups and to invite others to join those groups in order to share references.

"Sharing," in this context, means that group members can edit the RM database. These

groups may be designated as public or private, with the later being limited to invited

members. Mendeley is unique in allowing only a certain number of members in private

groups before one must pay for additional membership slots. All allow the creation of

personal profiles, which may include CVs, research interests, etc. Mendeley and Zotero offer

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the most robust suites of social features, with the ability to send messages to other members

and the ability to search and browse for public groups.

**Best Practices for Reference** 

To outline best practices for the reference desk, the Citation Tools Team defined four areas

for citation management questions: (1) Writing and plagiarism, (2) Citation styles and

formatting, (3) Knowing when to recommend a citation manager, and (4) Choosing a citation

manager. Within each of these areas the team identified examples of the types of questions

asked, recommended resources or services to help the user, and possible questions that

reference librarians and staff might ask to better assist the user.

**Personal Profile:** 

In your profile you can write about your academic background, publications, and your

research interests. You can also search and see others' profile and add them to your contact

list or send them a message. Almost it is like a basic version of Facebook profile for your

academic stuffs and connections. The personal profile usually can be customized based on

your preferences in the setting section.

2) Private group: This feature lets you to share your references with specific people such as

your supervisor and colleagues and the references in a private group are not publicly

accessible.

3) Public group: You can create a library publicly accessible for everyone under your name.

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4) Note taking and annotation on shared references: This feature allows you to annotate your

references on the shared references.

5) Follower & Following lists: You can follow some researchers in your following list or you

can be followed by others for any post and update.

6) Collaboration newsfeed: If you are a member of a public or private group and you want to

be informed for any update in those groups by email or embedded message, newsfeed feature

would be the answer for you.

7) Group page and discussion forum: This feature provides an independent webpage and

forum for a group where people can discuss and have conversations in the form of posted

messages.

Choosing a citation style

For most papers, you will need to format your bibliography according to the citation style

specified by your instructor or publisher. Some of the citation styles used at Stanford

include:

MLA (Modern Language Association)

APA (American Psychological Association)

Chicago (The Chicago Manual of Style)

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Choosing a citation management tool

All of the tools will help you organize your research references and all include a plug-

in for word processing programs to format citations and create bibliographies. But some of

the tools offer other features, such as support for collaboration, a web-based interface, and

mobile applications.

The Stanford University Libraries provide campus-wide subscriptions to RefWorks

and Mendeley. EndNote Web is part of the Stanford University Libraries' subscription to

Web of Knowledge. Zotero is an open source tool with basic features at no charge.

Reference management in Wikipedia: Wikipedia, which runs on the MediaWiki

software, has built-in tools for the management of references. These tools, in many ways,

have the function of reference management software, in that they (1) automatically number

the references, (2) generate the reference list and (3) create links between the component of

the citation in the text and the reference list. Unlike traditional reference management tools,

MediaWiki does not store references in a database constructed to facilitate ease of citation.

10 of the Best Reference Management Software's

1-RefWorks

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

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citations bibliographies. generate and

# 2- Zotero



Zotero collects all your research in a single, searchable interface. You can add PDFs, images, audio and video files, snapshots of web pages, and really anything else. Zotero automatically indexes the full-text content of your library, enabling you to find exactly what looking for keystrokes. you're with few just a

# 3- EasyBib



EasyBib is an intuitive information literacy platform that provides citation, note taking, and research tools that are easy-to-use and educational. EasyBib is not only accurate, fast, and comprehensive, but helps educators teach and students learn how to become effective and organized researchers.

Page | 316 www.klibjlis.com

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# 4- Citelighter



This is an academic research platform allows students and researchers to save, organize, and automatically cite online or offline information throughout the duration of the writing process, and store content privately or aggregate it by topic to be shared with the community via Knowledge Cards.

# 5- Citation Machine



Citation machine helps students and professional researchers to properly credit the information that they use. Its primary goal is to make it so easy for student researchers to cite their information sources using both MLA and APA style.

## 6- **Bibme**



Bibme is a fully automatic bibliography maker that auto-fills. It's the easiest way to build a works cited page.

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- Search for a book, article, website, or film, or enter the information yourself.
- Add it to your bibliography and continue citing to build your works cited list.
- Download your bibliography in either the MLA, APA, Chicago or Turabian formats. It's that easy!

## 7- RefDot



RefDot is a Chrome extension that allows users to create citations. Some of the features it provides include:

- Cite books, journals and websites (More to come).
- Automatically formats references to the correct style.
- Have the references stored in your browser.
- Automatically retrieve and store references from any amazon.com book page. The source link is stored for later viewing.
- Handles multiple authors.
- View in XML format.
- View in standard text format.
- View in HTML format.
- Automatically "flip" author name into the correct format

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# 8- Citefast



Citefast formats your bibliographies and title pages, in APA 6th edition, MLA 7th edition and Chicago 16th edition. Citefast has recently added a slew of new features that include title page creation, in-text citations, editing capabilities and automatic citation lookup.

# 9- Endnote

# **ENDNOTE®**

EndNote is a software tool for publishing and managing bibliographies, citations and references on the Windows and Macintosh desktop.

# **10- Mendeley**



Mendeley is a free reference manager and academic social network that can help you organize your research, collaborate with others online, and discover the latest research.

# What's in it For Librarians?

In these days with fewer people coming into the library, and many thinking that they can easily find good, authoritative, information online themselves, the citation management <a href="https://www.klibjlis.com">www.klibjlis.com</a></a>
<a href="https://www.klibjlis.com">Page | 319</a>

AN INTERNATIONAL PEER REVIEWED BILINGUAL E-JOURNAL OF LIBRARY AND INFORMATION SCIENCE Volume: 02, Issue: 05, Sept. – Oct. 2015 eISSN NO. 2394-2479

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programs become a hook to draw patrons back to consulting the library and librarian for help. Librarians provide valuable information to product designers about how well their products work with library-licensed databases and provide feedback from interactions with users and frequent testing of product features and new versions. Over the years my experience with Reference Manager and EndNote, and closely working with their company's trainers, have helped the company improve the program by hearing what our patrons use and need, and how specific databases interact with their products. Developing expertise in the use and features of these programs to help the institution's faculty, researchers, and students, does increase the librarian's value in the institution. People routinely come into the library specifically looking for me to ask about a program feature, or bring in their laptop for a specific question, or call and email me to setup appointments for consultations to learn the program, whether they are new users of the program, or upgrading to a new version. Researchers and students had stopped coming to library classes on searching our licensed databases but the classes on these citation management programs draw large numbers of people into the library.

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## REFERENCES

- (n.d.). Retrieved November 1, 2015, from https://en.wikipedia.org/wiki/Reference\_management\_software
- (n.d.). Retrieved November 1, 2015, from http://wiki.ubc.ca/images/d/d8/Citation\_Manager\_Comparison\_Tables,\_Sep-2013-V3(1)-full\_version.pdf
- (n.d.). Retrieved November 1, 2015, from
   https://darchive.mblwhoilibrary.org/bitstream/handle/1912/4595/Butros-Taylor\_iamslic2010.pdf?sequence=1&isAllowed=y
- 10 of The Best Bibliography and Citation Tools for Teachers and Student Researchers ~ Educational Technology and Mobile Learning. (n.d.). Retrieved October 16, 2015.
- Borgman, C. (2000). From Gutenberg to the global information infrastructure access to information in the networked world. Cambridge, Mass.: MIT Press.
- Childress, D. (2011). Citation Tools in Academic Libraries. Reference & User Services Quarterly, 143-152.
- Hamed, A., & Furuta, R. (n.d.). Research and advanced technology for digital libraries: International Conference on Theory and Practice of Digital Libraries, TPDL 2013, Valletta, Malta, September 22-26, 2013. Proceedings.
- Palmer, C., & Teffeau, L. (2009). Scholarly information practices in the online environment themes from the literature and implications for library service development. Dublin, Ohio: OCLC Research.
- Stanford University Libraries. (n.d.). Retrieved November 1, 2015, from https://library.stanford.edu/research/bibliography-management