Barnard Library: Finding the Best Resources
BIOL 2873: Ecology Lab
Feb. 4, 2015, 1-2pm
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STARTING YOUR RESEARCH
- **Online Research Guides**: On the library home page, library.barnard.edu, click on “Guides and Tutorials” then “Subject Specific Guides.” Or click on “Research Guide” in CourseWorks.
- **Research Help**: email or call me, or use the online chat box the library home page.
- **Consultations**: Request a one-on-one consultation with me via email or the Contact Us page.

SCHOLARLY AND POPULAR SOURCES
Scholarly journals and books are written for specialized readership,
- by scholars or experts in a field of study, describing “cutting edge” research,
- “peer reviewed” or “refereed” by other experts as a quality control mechanism,
- have footnotes (or endnotes) and references,
- give the affiliation of the authors (university, research institution),
- in the sciences and the social sciences, each article also has an abstract.
Popular magazines are written for a general audience, and do not have the above features.

FINDING SCHOLARLY ARTICLES
More databases are listed on the subject guide, library.barnard.edu/find-books/guides/BIOL/BIOL

**Google Scholar**
- This is a full text search, so you may get too many irrelevant hits.
- Using the Advanced search, you can search titles only (allintitle:), but you may not get enough hits.
- Go to Settings – Library Links to enable eLink@ Columbia. When it is enabled, it appears when you click on “More.”
- Go to Settings – Bibliography manager to show the link to export to EndNote. When it is enabled, it appears when you click on “Cite.”
- Sample search: protozoa population growth intraspecific competition
Web of Science

- Use Web of Science – All Databases
- The Science Citation Index is one of the databases in the Web of Science, published by Thomson-Reuters, which also produces EndNote, so WoS and EndNote work very well together.
- Useful for determining how many articles have cited another article. You can sort the results by “Times Cited” to find out which articles are the most influential.
- Sample search: germination inhibition competition brassica

ENDNOTE

- Columbia has a subscription to EndNote and EndNote Web (“EndNote” by itself means the desktop version.). To download the desktop version onto your computer, go to cuit.columbia.edu/endnote
- To register for an EndNote Web account, go to endnote.com, click on “LOGIN TO ENDNOTE” in upper left, then “Sign Up for an account”
- See the guide on the library website at library.barnard.edu/find-books/guides/endnote

HANDS-ON EXERCISES

- Set up an EndNote Web account at endnote.com
- Open EndNote Desktop. Go to File – New to set up a new library, and call it Ecology
- Search for the topic “density-dependent effects” protozoa in:

  A. Google Scholar
     a. How many results do you find? __________
     b. Use allintitle: to limit the search to the title only. How many results are there? _______
     c. Go back to the previous list of results, and limit to articles from 2010 to 2015. How many results are there? _______
     d. Export two citations to EndNote.

  B. Web of Science – All Databases
     a. How many results do you find? __________
     b. Using Research Area to refine the search, how many articles are there in the research area Mathematical Computational Biology? _______
     c. Use Search History to go back to the previous list of results. Sort the list by Times Cited – highest to lowest. How many times has the most-cited article been cited? _______
     d. Export two citations to EndNote.

FEEDBACK FORM
Please complete the form at library.barnard.edu/instruction-feedback-LC. Thanks!