

How to Write a Research Manuscript

Writing a research paper for publication is NOT easy and it TAKES time. It's an art. Having your committee review and edit your work takes even more time, particularly if there are numerous corrections to be made! All papers have a nested structure consisting of words in sentences, sentences in paragraphs, and paragraphs in sections. Every sentence counts – literally. I prefer to see with an outline of intent. What is each paragraph trying to say: not vague sentences or section titles. Review your outline in subsequent drafts. Never hand-in 1st drafts. I am not an expert. Below is a list of resources for guidance on writing

Books

The Elements of Style by W. Strunk & E.B. White. The classic.
Helping Doctoral Students Write by B. Kamler & P. Thomson
How to Write and Publish a Scientific Paper 6th Edition by R.A. Day, B. Gastel
Scientific writing for graduate students” edited by F.P. Woodford

Online resources and papers (click link or copy and paste)

Guide to Science Writing

<http://www.jyi.org/resources/320/Guide%20to%20Science%20Writing.pdf>

Scientific Writing & the Scientific Method: Parallel “Hourglass” Structure in Form & Content Bruce A. Schulte.

<http://wfsc.tamu.edu/jpackard/discover/wfscourses/wfsc622/readings/schulte2003.pdf>

<http://www.bio.georgiasouthern.edu/biohome/biolabs/envbiolab/handouts/parallelhourglass.pdf>

Rules of thumb' for writing research articles

http://www.uclouvain.be/cps/ucl/doc/acfa/documents/hengl_rules.pdf

Twenty-One Suggestions for Writing Good Scientific Papers

<http://course1.winona.edu/mdelong/EcoLab/21%20Suggestions.html>

Sindermann, C.J. 1990. Scientific writing as English prose, *In*: J. Hunter (ed.), *Writing for Fishery Journals*. American Fisheries Society, Bethesda, MD. pp. 75-78.

Writing a research article: advice to beginners *International Journal for Quality in Health Care* 2004; Volume 16, Number 3: pp. 191–192

<http://intqhc.oxfordjournals.org/content/16/3/191.full.pdf>

Editors and the review process <http://swfsc.noaa.gov/publications/CR/1990/9010.PDF>