

## Title” \_\_\_\_\_

- Aim:
  - What's a peer reviewed journal article?
- Instructions:
  - In today's class I will go over some theory.
- Home work:
  - Summarize Intro of 1<sup>st</sup> article.
  - Bring a journal article you found in the bibliography of your first article.
  - Work on your next checkpoint.
- Announcements:
  - 3 weeks left in MP.

What's a peer reviewed journal  
article?

# CW - HW

- You should be completing Step 01, Step 02, and Step 03 by this point to be on schedule.
- You need to start looking for PRJAs in the topic you have chosen to research.
- We will be working with PRJAs for the rest of the school year.

What's a peer reviewed journal  
article?

# **What's a peer reviewed journal article?**

Mr. M. Gonzalez

What's a peer reviewed journal article?

# Objectives

- I can explain what a peer reviewed journal article is.
- I can describe how to use active note taking strategies when reading a peer reviewed journal article.
- I can identify the major components of a peer reviewed journal article.

What's a peer reviewed journal article?

# What's a peer reviewed journal article?

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What's a peer reviewed journal article?

# What's a peer reviewed journal article (PRJA)?

- **Peer reviewed** means that it is read, commented on, and corrected by other professionals in the area.
- **Journal** means a magazine written for professionals.
- **Article** means a written report on a particular subject.

# PRJA...

- It's difficult to do research unless you regularly read current PRJAs.
  - Reading PRJAs is different from textbooks or novels.
  - Requires prior knowledge and skill.
- 
- [http://www.webguru.neu.edu/nuts\\_and\\_bolts/reading\\_the\\_technical\\_journal\\_article/](http://www.webguru.neu.edu/nuts_and_bolts/reading_the_technical_journal_article/)

What's a peer reviewed journal  
article?

# Title Page

Journal of Experimental Marine Biology and Ecology 369 (2009) 148–154



Contents lists available at ScienceDirect

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journal homepage: [www.elsevier.com/locate/jembe](http://www.elsevier.com/locate/jembe)



## Life in the Supralittoral Fringe: Microhabitat Choice, Mobility and Growth in the Tropical Periwinkle *Cenchritis (=Tectarius) muricatus* (Linnaeus, 1758)

Michael L. Judge<sup>a,\*</sup>, Rachel Duell<sup>b</sup>, Laura Burriesci<sup>a</sup>, Wassem Moarsi<sup>a</sup>

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### ARTICLE INFO

#### Article history:

Received 28 July 2008

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#### Keywords:

Age

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Microhabitat

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### ABSTRACT

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What's a peer reviewed journal

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# Where do the author's work?

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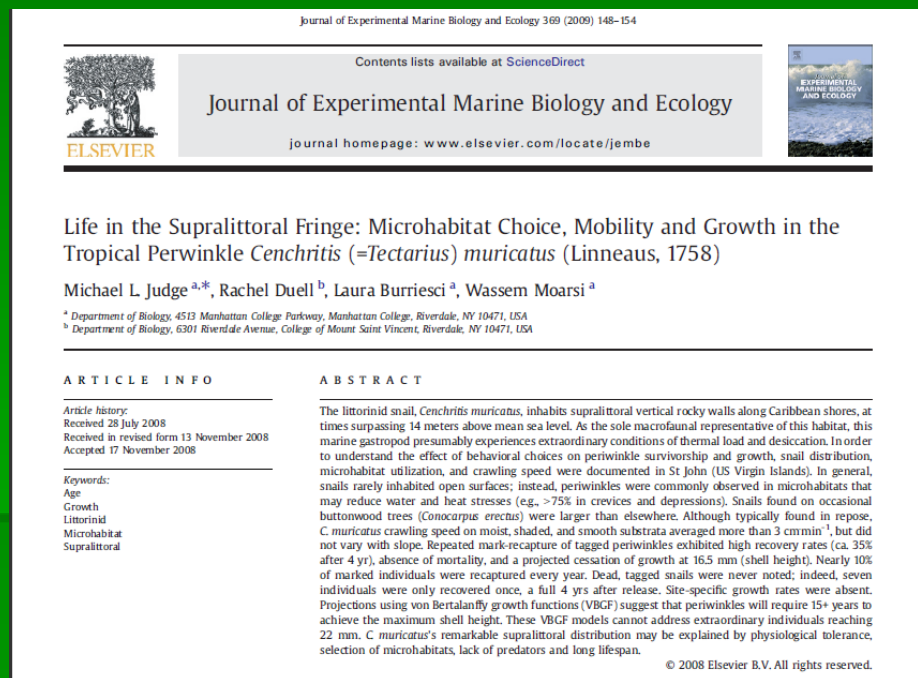
<http://withfriendship.com/images/i/44736/Vogue-magazine-image.jpg>

[http://www.swan.ac.uk/bs/turtle/reprints/Special\\_Issue\\_front\\_cover.jpg](http://www.swan.ac.uk/bs/turtle/reprints/Special_Issue_front_cover.jpg)

What's a peer reviewed journal article?



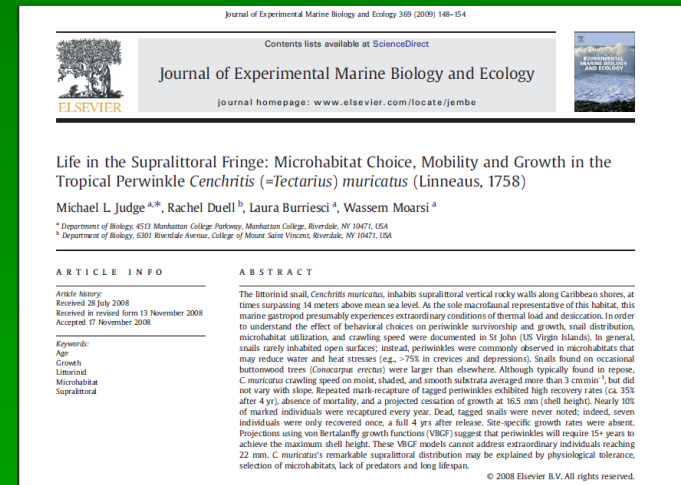
# What are the major chapters of a PRJA?



What's a peer reviewed journal article?

# Anatomy of a PRJA

- Parts of an article:
  - Abstract
  - Title
  - Introduction
  - Experimental section
  - Results and discussion



What's a peer reviewed journal article?

# PRJA - ABSTRACT

- Provide a **succinct** summary of the article.
- Read first to decide if it's **relevant** to your project.
- Provides specific information like:
  - methods used,
  - results obtained,
  - what the results mean in the bigger picture.

What's a peer reviewed journal article?

# PRJA - TITLE

- Titles are **succinct**
- **Overview** of a paper's contents
- **Keywords** are included
  - Abstracting services like CAS, ISI, etc. could use in indexing the article so you can find it easier with a search engine like Google
- It's useful to take note of the key words used in titles to search for more PRJAs

What's a peer reviewed journal article?



# PRJA - INTRODUCTION

- Overview of:
  - Why research problem is worthy
  - **Literature review**
- Good if you're new to the subject.
- Key words + concepts defined
- **Relevant references cited**
- Who works in this field.

What's a peer reviewed journal  
article?

# PRJA – Experimental Section

- Detailed information on how project was accomplished.
- Information includes:
  - Lists all reagents,
  - Materials used, and
  - Instrumentation used.

What's a peer reviewed journal article?

# PRJA – Results + Discussion

- Some articles have separate "Results" and "Discussion" chapters
- Others combine them
- **Results = graphs and patterns described**
- **Discussion = interpretation of patterns and tying to the hypothesis and scientific problem.**

What's a peer reviewed journal article?

# What's a PRJA?

- Take a look at the example given to you.
- Can you identify the different sections of a journal article?
- For brief descriptions of each of the journal sections, visit [www.nsta.org/highschool/connections.aspx](http://www.nsta.org/highschool/connections.aspx)

What's a peer reviewed journal article?

# Journal Article Sources

- “In general, either scientific societies (e.g., Ecological Society of America) OR publishing companies (e.g., Wiley) publish peer-reviewed work.
- The publishing companies are often for-profit businesses whose goal it is to sell the papers.
- The scientific societies are less profit driven and more likely to make their publications available for free or nominal cost via JSTOR.” – (Mike Judge, pers. comm. 2011)

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