



Guidelines on Writing a Scientific Paper



Mind the
GRAPH

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Summary





Title

What makes a good Title?



Study on chemical communication
of *Pacifastacus leniusculus*





Good Title


- Only essential information.
- Good jokes only.
- Asking questions.
- Clear and informative.


Bad Title

- Avoids complicated and technical expressions.
- Use vague expressions.



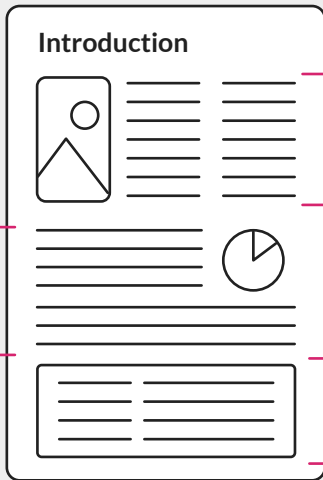
To signal or not to signal? Chemical communication by urine-borne signals mirrors sexual conflict in crayfish







Introduction



1st Paragraph

- Theoretical contextualization.

2nd & 3rd Paragraph

- Connection between theory and your study.
- Purpose of your study.

4th Paragraph

- Goals.
- Questions.
- Hypothesis.



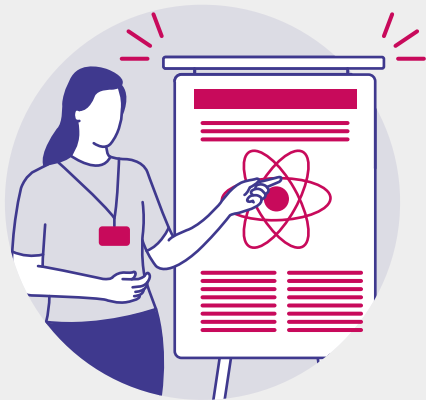
Remember!

Connect them!

Organize the topics you will write about and make sure they are linked. Never explain more than one idea in the same sentence.



Materials & Methods



- Use active voice.
- Describe well your study site.
- Anyone should be able to replicate your study with the data and information you provided.
- Present your methods and statistics in the same order as your questions or hypothesis.



Results



- Present your results in the same order as your questions or hypothesis.
- Only present results that answer your questions or test your hypothesis.
- Do not repeat the information from Materials & Methods in the figures.
- Highlight the impact of your results.

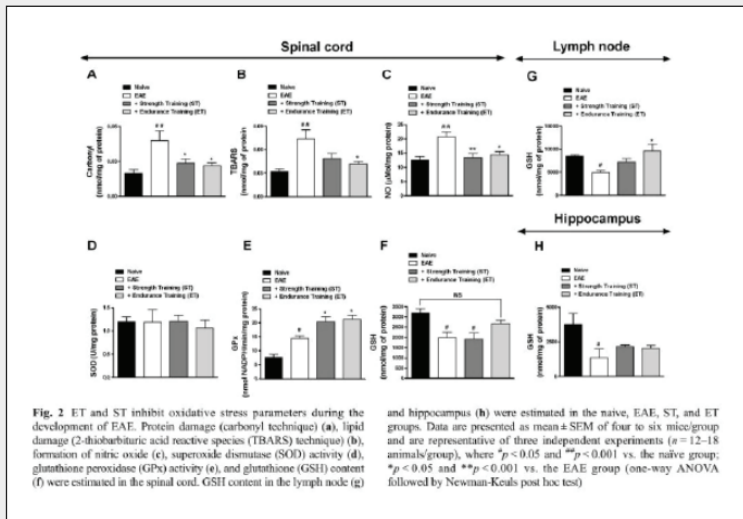


Graphs & Tables



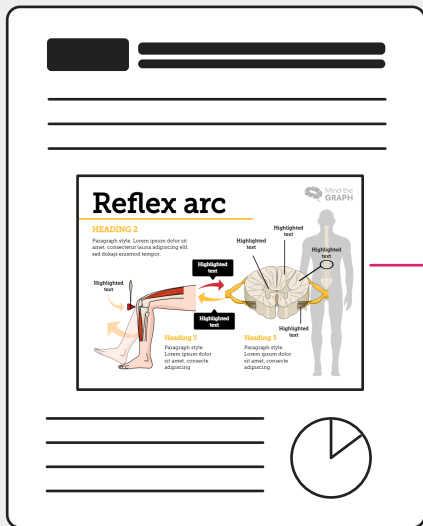
What your graphs and tables must be:

- Extremely necessary.
- Self-explanatory.
- Easy to understand.
- Consistent with your findings.
- Simple and B&W.
- Clean.
- Subtitled.





Illustrations & Pictures



Illustrate your scientific paper with the power of visuals

- Illustrations can make your work more accessible and easy to understand.
- According to Cactus Global, papers with visuals are more memorable than those without them.
- Scientifically accurate illustrations are great to explain the minimum details of your research.

Use [Mind the Graph](https://mindthegraph.com) to boost your paper with stunning science illustrations. Go to mindthegraph.com and subscribe for free.



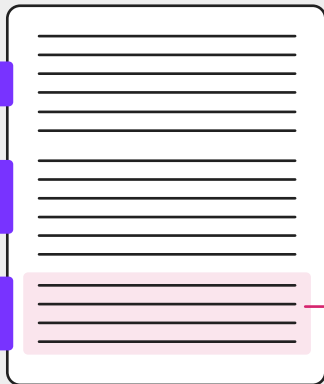
Discussion



1° Overall

2° Finding
Implications

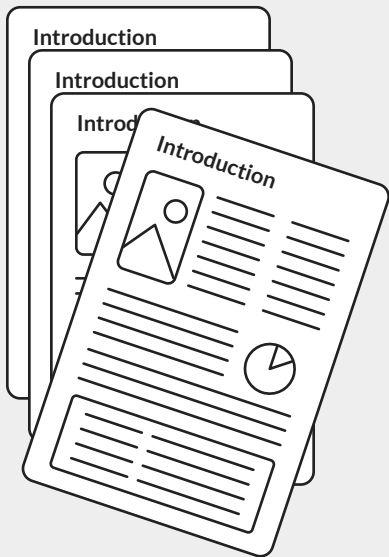
3° Conclusions and
next steps



- Try not to repeat the Results info.
- Discuss your results in the same order as your questions or hypothesis.
- Highlight the most relevant parts of your work in the beginning or in the end of the discussion.



References



Read, read, read, read

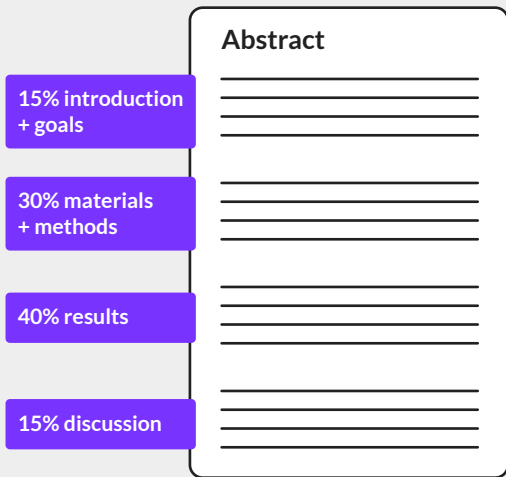
- It's essential to cite every resource used.
- Even the smallest reference is important.
- Define a format to your citations.

[Read more on our blog](#)



Abstract

The perfect composition of an Abstract

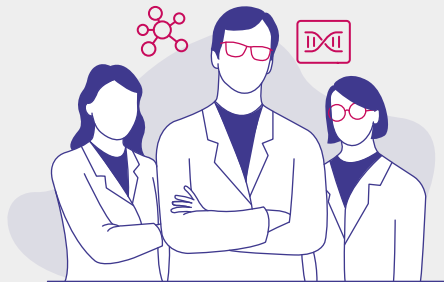


TIP: Learn [how to write an abstract for a research paper](#) with this blog article.



Graphical Abstract

Create your Graphical Abstract with Mind the Graph



Papers with Graphical Abstracts have:

- 3x more downloads.
- 15x more citations.
- 8x more shares on social media.

Source: Cactus Global

[Access Mind the Graph](#)



Keywords

Don't forget to use Keywords



Keywords: Zika, Virus, Treatment

- Never repeat words from the title.
- Use only relevant words to your research.
- Avoid words that are too specific.

*Are you ready?
Let's write a paper!*

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