

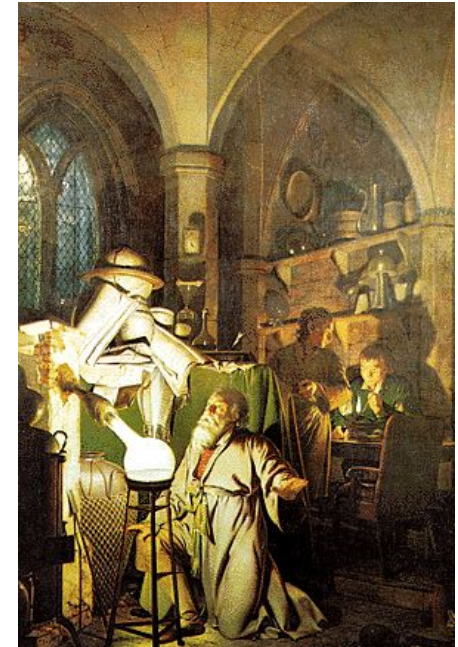


# Workshop on How to Publish Papers in International Journals: February 2018

Coordinator and Lecturer: Dr. Raymond J. Ritchie



## How to write the Results. Results (I) – The text.



*Tropical Plant Biology, Faculty of Technology and  
Environment, Prince of Songkla University Phuket  
Campus, Kathu, Phuket 83120 Thailand E-mail:  
raymond.r@phuket.psu.ac.th*

## **Results: The First Points.**

- **Explicit written description of results is required. Graphs and Tables do not explain themselves. Many people do not understand this.**
- **This lecture will concentrate on the text. We will deal with graphs and tables and figures later.**
- **Conclusions based on statistics need to explicitly stated and it must be clear what data was used, the statistical tests that were used and the P values must be quoted.**
- \* **Do not neglect the English in the Results. If people cannot understand what you did and how you did it your paper is unlikely to be accepted.**

## **In the Results you are expected to:**

- **Accurately describe the results.**
- **Graphs and tables do not explain themselves. You must state what they show. “The results are shown in Fig. 1 and Table 1” is not adequate. You must state what Fig. 1 and Table 1 actually show.**
- **Do not put Materials and Methods material in the Results.**
- **Only minimal interpretation of data are needed in the Results. Leave interpretation to the Discussion.**
- **If some of the preliminary results you get in your study confirm that your experimental material is similar to that used in previously published work it is appropriate to say that in the Results and cite the reference.**
  
- **In general though leave comparison to published material to the Discussion unless it needs to be mentioned to explain the logical flow of the experiments you did.**

# **Some things can go in the Materials and Methods or in the Results**

- You should mention the key instruments you used for the study in the Materials and Methods but if they come into play in your Results section you need the Model, Manufacturer, City and Country where they were made.**
- Some assumptions are made about work in a modern laboratory. You do not mention what pipettors you used or what glass and plastic ware you used unless it is important. For example, UV light it does not penetrate ordinary glass of culture bottles. You need special glass spectrophotometer cuvettes and glassware to work with UV light.**
- You do not mention the type of laptop you used to write the paper but it is easy to forget to mention details that were essential for your project. For example, the type of light meter used is critical in my work.**

## **Some Materials and Methods Material is better in the Results**

- **Sometimes M&M material is better mentioned close to where it is a critical issue in the Results.**
- **Software/Hardware Compatibility. You need Version, Manufacturer, City and Country. This is often critical information which is essential to get hardware to work.**
- **Generally using INTERNET references is frowned upon because they are ephemeral however you can use them as sources of database information. For example, DNA sequences, spectra of stars etc. Proper referencing of Internet information is required including DATE OF ACCESS.**

## Some things you should not do in the Results

- Remember that tables and graphs do not explain themselves. **You must state explicitly what they show. Please remember this point.**
- All, repeat all, your **Results** need to be mentioned in the text. **Do not forget to talk about every single Table, Graph and Figure.**
- Try and avoid interpretation as that is more appropriate in the **Discussion.**

If you describe the results of an experiment you did and it logically leads on to the subsequent results in the paper it is appropriate to state in the results why one set of findings logically lead on to what you did in other experiments described in the paper. For example “The preliminary experiments described in Table 1 show that added phosphate had no significant effect on photosynthesis of the mangroves ( $P > 0.05$ ) and so we concentrated on the effects of nitrogen sources in later experiments”.

- Read the **Instructions to Authors. Be very carefully about format.**

# References

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