

# Scientific Writing

## *Writing High Impact Papers*

### *Module 7*

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**Module 1:** Literary Genre

**Module 2:** Structure 1: *Abstract*

**Module 3:** Structure 2: *Introduction*

**Module 4:** Structure 3: *Results and Discussion, Conclusion*

**Module 5:** Style, Language 1: Complexity Problems 1

**Module 6:** Language 2: Complexity Problems 2, Rhythm

**Module 7:** Language 3: *Plain English and Topic Sentences*

**Module 8:** Manuscript Submission, The Editorial Process

# *Module 7*

# *Language III*



## Needlessly Complex words:

Avoid	Use
Utilization	Use
Facilitate	Cause*
Finalize	End
Utilize	Use
Firstly, Secondly	First, Second
Commencement	Beginning



## Writing Nothing

**It is significant to note the fact that...**

**It is relevant to mention here that the results...**

**The findings reported here demonstrated that...**



## The word “Fact”

Replace “This fact” by:

This effect,  
This hypothesis,  
This observation,  
This value,  
This phenomenon,  
This finding, etc.

The same applies to “Case”





# *Think in English, Write in English*

*The method of analysis employed for determination  
of the satisfaction of customers was the method  
CS1*

?



Better ??

*The method used for customer satisfaction determination was the CS1 method.*



Better

*CS1 method was used to determine customer satisfaction.*



In Scientific Writing:

*Customer Satisfaction was estimated by CS1*



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**[www.springerexemplar.com](http://www.springerexemplar.com)**



## VERBS FOLLOWED BY PREPOSITIONS

account	decide	estimate
agree	decrease	exceed
allow	determine	fit
answer	develop	hinder
balance	differ	identify
change	disagree	originate
compare	discern	prepare
connect	discriminate	qualify
convert	distinguish	range
correlate	divide	
correspond	elaborate	



## WORDS FOLLOWED BY PREPOSITIONS

abundance	control	enthusiasm	necessary
abundant	convenient	equality	necessity
affinity	correct	equivalent	need
akin	decrease	evidence	opportunity
applicable	deficient	familiar	parallel
appropriate	demand	focus	proficiency
available	dependent	fundamental	proficient
basis	difference	identical	search
capability	different	improvement	sufficient
capacity	disagreement	independent	suitable
cause	discussion	influence	suited
close	disparity	inherent	superiority
common	distinct	intended	test
concern	distinction	level	valuable
consistent	enhanced	method	variation

# *Commonly Misused Words*





## To Administer or to administrate?

To administrate: to manage.

A drug is administered.

**Ulcers were induced by *administrating* 20% acetic acid.**

**Ulcers were induced by *administering* 20% acetic acid.**

<http://www.inter-biotec.com/biowc/style.html>



## Common or popular?

Common: widespread

Popular: especially liked or preferred.

**Cancer is the most *common* cause of death in....**

**Cancer is the most *popular* cause of death in....**

**Soccer is a *popular* sport in Brazil**

**Soccer is a *common* sport in Brazil**



## Analysis or Analyses?

Analysis = Singular

Analyses = Plural

**Thermal analyses were carried out using DSC ....**

**The infrared spectroscopic analysis was performed....**



## Reproductive or reproducible?

Reproductive: related to reproduction

Reproducible: can be repeated, reproduced or duplicated.

**Results were *reproducible* or *reproductive* in all three experiments.**



## Increase, Enhance and Improve

Increase: To become greater or larger in size, number, degree...

Enhance: To add value or worthy to something already attractive

Improve: To raise to a better quality or condition.

The number of transgenic species increased in the last years.

Computer software enhanced with the advent of Internet.

The treatment improved patient's condition.



Essentials of Writing Biomedical Research Papers by Mimi Zeiger,  
Mcgraw-Hill Professional, 2<sup>nd</sup> Ed, 2000.

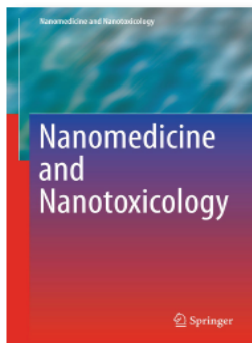
<http://www.infoplease.com/ipa/A0200807.html>

# Prof. Zucolotto as a Scientific Editor

*Journal of Biomedical Nanotechnology*  
Prof. Valtencir Zucolotto, Associate Editor  
2013 Impact Factor: 7.578



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## **Nanomedicine and Nanotoxicology**

**Series Ed.: Zucolotto, Valtencir**

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