## Optimal Writing

For Engineering Articles



Prof. Dr. Yousif Ismail Al Mashhadany

University of Anbar, Iraq

## Optimal Writing for Engineering Articles



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## Optimal Writing for Engineering Articles

*By:* 

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### **Optimal Writing for Engineering Articles**

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### **Preface**

Writing an expressive and accurate essay can be a difficult task, and many times, researchers don't know what to include and how to switch data. Therefore, this book provides a roadmap for researchers to learn how to write an engineering article that is compatible with the articles of engineering studies with the correct arrangement, consisting of a presentation that includes a detailed explanation, a written review, and a section of strategies that define the methods used in presenting the results and discoveries in this paper. Conversation and application passages, design outlines, final effects, discussion, main conclusions, and ultimately the sources (references) used.

In this book, practical experience in writing research and supervising students of studies was presented, as writing engineering research should be distinguished by the method of reviewing the results to communicate the desired scientific idea in writing scientific research because the correct review of scientific results will lead to a statement of the research contribution to the scientific material and it can be easily inferred The scientific conclusions of this research will also open the way for suggestions in future work.

Finally, I hope by publishing this book, the desired benefit will spread from it and the correct and optimal method for writing solid engineering research will be clarified. You can contact us to add notes in future releases at the e-mail:

(yousif.mohammed@uoanbar.edu.iq)

### Acknowledgment

First of all, praise is to ALLAH for the support in all my life.

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Prof. Dr. Yousif Ismail Al Mashhadany

أعوذ بالله السميع العليم من الشيطان الرجيم

بستم الله الرَّحْمنِ الرَّحِيمِ اقْرَأْ بِاسْمِ مِرَّبِكَ الَّذِي خَلَقَ ﴿ إِلَا مِنْ اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ خَلَقَ الْإِنسَانَ مِنْ عَلَقِ الْإِنسَانَ مِنْ عَلَقِ اقْرَأُ وَرَبُكُ الْأَكْرِيمُ الْأَكْرِيمُ الْأَكْرِيمُ اللَّهِ الَّذِي عَلَّمَ بِالْقُلْمِ الْقُلْمِ عَلُّ مَ الْإِنسَانَ مَا كُمْ يَعْلُ مِ صدق الله العظيم (سوسرة العلق)

### **Dedication**

# To all my Academics friends and my colleagues

## To Memory of My Father and My Mother

To My Wife and My kids

### **Table of Contents**

<u>Item:</u>		<u>page</u>
Cover page		
Preface		iv
Acknowledgment		v
Dedication		vii
Contents		1
<u>List of Abbreviations</u>		4
<u>List of Tables</u>		5
<u>List of Figures</u>		5
	hapter One	
Gener	ral Introduction	
1.1. <u>Introduction.</u>		7
1.2. <u>Fundamental Concept</u>		7
1.3. <u>Background</u>		10
1.4. <u>Types of Articles</u>		11
1.5. <u>Book Objectives</u>		12
1.6. <u>Book Contributions</u>		13
1.7. <u>Book Outline</u>		14
	Chapter Two	
Academic Article Struct	ture in Engineering Specializ	ation
2.1. <u>Introduction</u>		16
2.2. <u>Title of Article</u>		16
2.3. Abstract		17
Prof. Dr. Yousif Ismail Al Mashhadany	( Back to home page )	1

Optimal	Writing for	Engineering Articles	ISBN: 978-81-963113-5-3
2.4. <u>K</u>	<u>Ceywords</u>	1	17
2.5.	Article	e Introduction	18
	2.5.1.	Best introduction elements	18
	2.5.2.	Optimal sample for introduction written	18
	2.5.3.	Extra notes for an introduction	19
2.6.	Backgı	cound (literature review)	20
	2.6.1.	Structure a literature review	20
	2.6.2	Literature review purposes	22
	2.6.3.	Optimal style of a literature review	23
	2.6.4.	How literatures review compiling	24
	2.6.5.	Avoidance things in literature review	24
2.7.	Metho	dology	26
2.8.	Results	s formulation	27
	2.8.1.	Guidelines for results descriptive	28
	2.8.2.	Results reporting	29
	2.8.3.	Common mistakes in results description	30
2.9.	Discus	<u>sion</u>	32
2.10.	Conclu	<u>usion</u>	32
2.11.	Article	references	33
2.12.	2. Additional items		

2.12.1. Future work

2.12.2. <u>Acknowledgement</u>

39

40

### **Chapter Three**

### The Best Form of Results Presentation in Electrical Engineering Research Article

3.1.	1. <u>Introduction</u>	
3.2.	2. <u>Presentation of research article</u>	
3.3.	General research article structure	44
3.4.	Methodology for data collection	46
3.5.	Results presentation forms	46
3.6.	Optimal procedure for results description	47
	3.6.1. Results presentation based graph	49
	3.6.2. Results presentation based statistical	51
	3.6.3. Results presentation by virtual reality	52
	3.6.4. Results presentation by video and photo	53
3.7.	Analysis of optimal results presentation	54
	Chapter Four	
	Conclusion and Future Work	
4.1.	Conclusion	57
4.2.	Future Work	58
Refer	<u>rences</u>	59
<u>Appe</u>	endix A : Useful Links	68
<u>Abstı</u>	ract in Arabic	72
<u>Cove</u>	er Page in Arabic Language	73

### **List of Abbreviation:**

abbreviation	Description
ISSN	The International Standard Serial Number
ANOVA	Analysis of Variance
DOI	Digital Object Identifier
URL	Uniform Resource Locator
IEEE	Institute for Electrical and Electronics Engineers
APA	American Psychology Association
MLA	Modern Language Association
SPSS	Statistical Package for the Social Sciences
RE	Real Environment
VE	Virtual Environment
MR	Mixed Reality
AR	Augmented Truth
MRH	Mixed Reality Human
EMG	Electromyography Signal

### **List of Table:**

Table No.	Title
2.1	Common Mistakes in Results and its dodging
<u>2.2</u> .	Example No. 1 of IEEE standard style citations for different materials.
<u>2.3.</u>	APA citation examples
<u>2.4</u> .	Example of MLA style citations
<u>2.5.</u>	Samples of Chicago style citations.
<u>3.1</u> .	An academic article typical structure for findings of a quantitative analysis and study
<u>3.2</u> .	Analysis of detection of COVID-19 by using the intelligent systems
<u>3.3.</u>	Analysis of Results presentation forms

### **List of Figures:**

Figure No.	Title
<u>2.1</u> .	Sample of Introduction Written
<u>2.2.</u>	Manufacturing an integrated literature review
<u>3.1.</u>	General structure of scientific article
<u>3.2.</u>	Different form for results presentation
<u>3.3.</u>	Presents seven form of EMG signal in human arm muscles
<u>3.4.</u>	The statistical presentation of result.
<u>3.5.</u>	The statistical presentation of result.
<u>3.6.</u>	Simulated results for human arm movement with overall body model

### **ABOUT THE AUTHOR**



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He works since 2004, a lecturer in the Department of Electrical Engineering/ Engineering College/ University of Anbar. He has many publishing that included three books, two chapters, fifty-one Journals paper most of them (Clarivate, Scopus and international journal), and forty-two conferences paper. He has 10 in H-index with Scopus, has 14 H-index with Google scholar, has 6 H-index in Web. Of Sciences with 230 reviews. Editor-in-Chief with Anbar Journal of Engineering Science.

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https://www.uoanbar.edu.iq/English/staff-page.php?ID=1670

#### ABOUT THE BOOK

Writing an expressive and accurate article may be a frightening task, and oftentimes, researchers do not recognize what to include and the way to switch the data. Fortunately, the engineering studies articles comply with the right order. It consists of a presentation that includes a hard clarification, a writing review, purpose of the paper, a section of strategies outlining of the techniques used, discoveries on this paper, conversation and application clips, design diagrams, final effects, and discussion, main conclusions, and in the end the sources(references) used. In this study, the sections are arranged into four chapters.

The first chapter is dedicated to defining the basic concepts in writing scientific studies and a number of the principal paragraphs in writing research in engineering disciplines, supplying a historical review on writing scientific studies and reviewing the forms of research articles with objectives of this study and the most important contributions made in it.

The second chapter provided an in-depth explanation of the paragraphs of the research article in the engineering disciplines and followed the methodology of careful analysis of all paragraphs of the research article, starting from the title to the method of writing references in the research article. The most important and accurate writing strategies are explained in each part of the article, and particular instructions are given to researchers to reach a very high-quality writing and obtain publication in high rank journals such as Scopes and Clarivate.

The third chapter took a case examination on the best strategies of presenting effects in electrical engineering research. Each method was discussed, analyzed, and recommendations have been written for researchers to reach high first-class in writing research in the area of electrical engineering. The fourth chapter offered the most essential conclusions of this article and defined the recommendations for future work.

In the fourth chapter, I would like to point out that there is no single method for writing that may be defined as a law in writing for scientific studies, but directives may be collected commensurate with the quantity of knowledge and work on this specialization to offer a roadmap that makes it easier for researchers to write a good article and publish.



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