



زانكوۆى سهلاحهدين - ههولير  
Salahaddin University-Erbil

## The title

A Thesis / Dissertation  
Submitted to the Council of the College of Your College's name at  
Salahaddin University-Erbil in Partial Fulfillment of the Requirements  
for the Degree of Master / PhD . of Science in Your subject area

*By*

**Your name**

BSc. Mathematics-Salahaddin University-Erbil 2009  
MSc. Mathematics-Salahaddin University-Erbil 2015

*Supervised by*

**First supervisor's name**

**Second supervisor's name**

ERBIL, KURDISTAN-IRAQ

March 7, 2021

## Declaration

I declare that the Master/PhD Thesis / Dissertation entitled: ***The title*** is my own original work, and hereby certify that unless stated, all work contained within this Thesis / Dissertation is my own independent research and has not been submitted for the award of any other degree at any institution, except where due acknowledgment is made in the text.

Signature:

Name: **Your name**

Date: / / 2021

## Linguistic Review

I confirm that I have reviewed the thesis titled "**The title**" from the English linguistic point of view, and I can confirm that it is free of grammatical and spelling errors.

Signature:

Name of Reviewer:

Date: / / 2021

## Supervisor Certificate

This Thesis / Dissertation has been written under my supervision and has been submitted for the award of the degree of Master/PhD of Science in Your subject area with my approval as supervisor.

Signature

Name: **First supervisor's name**

Scientific Rank : **Professor**

Date: / /2021

Signature

Name: **Second supervisor's name**

Scientific Rank : **Assistant Professor**

Date: / /2021

**I confirm that all requirements have been fulfilled.**

Signature :

Name : **The head department**

Scientific Rank : **Assistant Professor**

Head of Your department's name  
and Chairman Scientific Committee

Date : / /2021

**I confirm that all requirements have been fulfilled.**

Signature :

Name : **The Postgraduate Office**

Scientific Rank : **Assistant Professor**

Postgraduate Office

Date : / /2021

## Examination Committee Certification

We certify that we have read this Thesis / Dissertation : ***The title*** and as an examining committee examined the student (**Your name**) in its content and what related to it. We approve that it meets the standards of a Thesis / Dissertation for the degree of Master/PhD In Your subject area .

Signature

Name: **First examiner's name**  
**Chairman**

Date: / /2021

Signature

Name: **Second examiner's name**  
**Member**

Date: / /2021

Signature

Name: **Third examiner's name**  
**Member**

Date: / /2021

Signature

Name: **Fourth examiner's name**  
**Member**

Date: / /2021

Signature

Name: **First supervisor's name**  
**Supervisor**

Date: / /2021

Signature

Name: **Second supervisor's name**  
**Supervisor**

Date: / /2021

Signature

Name: **The Dean College**  
**Dean of the College of Science**

Date: / /2021

## Dedication

Dedicated to:

With love and Respect.

Your name

2021

## **Acknowledgments**

The dissertation acknowledgements section is where you thank those who have helped and supported you during the research and writing process. This includes both professional and personal acknowledgements.

**Your name**  
**2021**

## List of Publications



## Summary

A summary of a thesis is like an abstract of a research paper. Basically, the purpose of the summary is to give the reader an overview of the main points of your thesis. The summary should include the following points:

- What is the thesis about?
- What is the purpose of the thesis?
- What were the methods used to research the information?
- What are the results, conclusions, and recommendations that the thesis presents?

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## List of Abbreviations

<b>Symbol</b>	<b>Description</b>
<b>GRH</b>	Generalized Riemann Hypothesis

The logo of Salahaddin University Erbil is a circular emblem. It features a central scene with a sun rising over mountains, a green field, and an open book with Arabic text. The book's text includes 'ERBIL' and '1981'. The emblem is surrounded by a purple border with yellow text in Arabic at the top and 'SALAHADDIN UNIVERSITY' at the bottom. The year '1981' is also present in a blue banner at the bottom of the emblem.

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# Chapter One

## Introduction

# Chapter 1

## Introduction

As a general rule, your dissertation introduction should generally do the following things: Provide preliminary background information that

- puts your research in context
- Clarify the focus of your study
- Point out the value of your research
- Specify your specific research aims and objectives



The logo of Salahaddin University Erbil is a circular emblem. It features a central sun with rays rising over a mountain range. Below the mountains is a green field with a white book open in the foreground, containing Arabic text. The emblem is surrounded by a purple border with yellow text in Arabic at the top and 'SALAHADDIN UNIVERSITY' at the bottom. The year '1981' is written in yellow at the bottom of the emblem. Two horizontal lines are drawn across the top of the emblem, above the 'Chapter Two' text.

## Chapter Two

# Literature Review

# Chapter 2

## Literature Review

A literature review is essentially a survey of scholarly articles, books, dissertations, conference proceedings, and/or other published material. The review provides a summary, description, and critical evaluation of a topic, issue, or area of research. It should not be confused with a book review, which summarizes a book and has a less structured format. The author of a literature review is usually giving feedback on published works.

### 2.1 What Your Literature Review Should Include:

- Overview of the subject and the objective(s) of the review.
- Analysis of works in favor, works against, and works with neutral views on the subject. These should be clearly divided.
- Explanations of the similarities and differences between the works.
- Comparison of different views held by other authors.
- Critique of the methodology.
- Examination of gaps in the research.
- Evaluation of how each study contributes to the argument in question.
- Conclusion that summarizes the literature review.

The logo of Salahaddin University Erbil is a circular emblem. It features a central sun with rays rising over a landscape with mountains and a river. Below the landscape is an open book with Arabic text. The emblem is surrounded by a purple border containing the university's name in Arabic at the top and 'SALAHADDIN UNIVERSITY' at the bottom. The year '1981' is inscribed in a blue semi-circle at the bottom of the emblem.

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# Chapter Three

## Methodology

## Chapter 3

### Methodology:

In your thesis or dissertation, you will have to discuss the methods you used to do your research. The methodology chapter explains what you did and how you did it, allowing readers to evaluate the reliability and validity of the research. It should include:

- The type of research you did.
- How you collected your data.
- How you analyzed your data.
- Any tools or materials you used in the research.
- Your rationale for choosing these methods.

The logo of Salahaddin University Erbil is a circular emblem. It features a central scene with a sun rising over mountains and a green field. The sun is yellow with rays extending upwards. The mountains are brown and green. Below the mountains is a green field. The entire scene is enclosed in a circular border. The border contains the university's name in Arabic at the top, 'ERBIL هه‌ولێر' in the middle, and 'SALAHADDIN UNIVERSITY' at the bottom. The year '1981' is also present at the bottom. The logo is semi-transparent and serves as a background for the text.

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Chapter Four

# RESULTS AND DISCUSSION

# Chapter 4

## Result and Discussion

Once you've finished collecting and analyzing your data, you can begin writing up the results. This is where you report the main findings of your research.

All relevant results should be reported concisely and objectively in a logical order. You may use tables and graphs to illustrate specific findings.

Don't include subjective interpretations of why you found these results or what they mean - your evaluation should be saved for the discussion.

The logo of Salahaddin University Erbil is a circular emblem. It features a central scene with a sun rising over mountains and a river. The sun is yellow with rays extending upwards. The mountains are brown and green. The river is blue. The emblem is surrounded by a purple border with yellow text in Arabic and English. The English text reads 'SALAHADDIN UNIVERSITY' and 'ERBIL' with the year '1981' below it. The Arabic text at the top reads 'جامعة صلاح الدين' and at the bottom 'ههولير'.

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Chapter Five

CONCLUSIONS AND  
FUTURE WORKS

# Chapter 5

## Conclusions and Future Works

The conclusion is the very last part of your thesis or dissertation. Its main purposes are to:

- Clearly state the answer to the main research question
- Summarize and reflect on the research
- Make recommendations for future work on the topic
- Show what new knowledge you have contributed

The conclusion should be concise and engaging. Aim to leave the reader with a clear understanding of the main discovery or argument that your research has advanced (Einstein, 1905).



## References

Einstein, Albert (1905). “Zur Elektrodynamik bewegter Körper. (German) [On the electrodynamics of moving bodies]”. In: *Annalen der Physik* 322.10, pp. 891–921. DOI: <http://dx.doi.org/10.1002/andp.19053221004>.

## **Appendix A**

Appendices provide supplementary information to the main thesis and should always appear after the references/bibliography. If you are unsure about whether content should be included in the thesis or in an appendix, consult with your supervisor. The thesis and appendices must be uploaded in a single file.

# پوخته

لیبره کورتهی تییز/نام هکته دنوسیت



زانكۆی سه‌لاحه‌دین - هه‌ولێر  
Salahaddin University-Erbil

## ناونیشانی تیزه‌که‌ت

تیز/نامه‌یکه

پیشکەشی ئەنجوومەنی کۆلیژی زانست کراوه له زانکۆی سه‌لاحه‌دین-هه‌ولێر  
وه‌ک به‌شیک له پێداویستیه‌کانی به‌ده‌سته‌پێنانی پله‌ی ماستەر/دکتۆرای فه‌لسه‌فه له زانستی  
ماتماتیک

له‌لایه‌ن:

ناوی خۆت

به‌کالۆریۆس له ماتماتیک-زانکۆی سه‌لاحه‌دین-هه‌ولێر ٢٠٠٩  
ماستەر له ماتماتیک-زانکۆی سه‌لاحه‌دین-هه‌ولێر ٢٠١٥

به‌سه‌رپه‌رشته‌ی:

ناوی سه‌رپه‌رشته‌یار

هه‌ولێر، کوردستان-عێراق  
سه‌رماوه‌رز، ٢٧٢٠