

**Standard Formats and Guidelines for
Synopsis and Thesis Preparation
for
Ph.D. Students**



Nirwan University Jaipur
Near Bassi-Rajadhok Toll, Agra Road
Jaipur - 303305, Rajasthan (India)

www.nirwanuniversity.ac.in

Annexure 1 (i)

Refer to this Sample format for the Synopsis cover page (when only Supervisor is available)

**SOCIO-ECONOMIC IMPLICATIONS OF COVID-19
PANDEMIC IN INDIA: EMERGING RISKS AND
GROWING CHALLENGES** ← Times New Roman Bold 18 pt



← Hight 3.31 cm; Width 3.49 cm

A SYNOPSIS ← Times New Roman Bold 26 pt

of the proposed research work

Submitted to

← Times New Roman 16 pt

Nirwan University Jaipur

in partial fulfillment of the requirement for the degree of

DOCTOR OF PHILOSOPHY ← Times New Roman Bold 24 pt

In

← Times New Roman Bold 16 pt

Sociology

Submitted by

← Times New Roman 14 pt

Mr. Rakesh Kumar

← Times New Roman Bold 14 pt

Enrollment No: 2020121223

← Times New Roman 14 pt

Under the supervision of

← Times New Roman 14 pt

Times New Roman Bold 16 pt →

Dr. Prakash Kumar

Assistant Professor ← Times New Roman Bold 14 pt

School of Arts, Humanities & Social Sciences

Faculty of Arts, Humanities & Social Sciences

Nirwan University Jaipur

← Times New Roman 14 pt

Rajasthan (India)

Month, Year

← Times New Roman Bold 14 pt

Annexure 1 (ii)

Refer to this Sample format for the Synopsis cover page (when Supervisor and co-supervisor both are available)

SOCIO-ECONOMIC IMPLICATIONS OF COVID-19 PANDEMIC IN INDIA: EMERGING RISKS AND GROWING CHALLENGES

← Times New Roman Bold 18 pt



← Hight 3.31 cm; Width 3.49 cm

A SYNOPSIS

← Times New Roman Bold 26 pt

of the proposed research work

Submitted to

← Times New Roman 16 pt

Nirwan University Jaipur

in partial fulfillment of the requirement for the degree of

DOCTOR OF PHILOSOPHY

← Times New Roman Bold 24 pt

In

← Times New Roman Bold 16 pt

Sociology

Submitted By

← Times New Roman 14 pt

Mr. Rakesh Kumar

← Times New Roman Bold 16 pt

Enrollment No: 2020121223

← Times New Roman 14 pt

Supervisor

← Times New Roman Bold 14 pt →

Dr. Prakash Kumar

← Times New Roman Bold 16 pt →

Assistant Professor

← Times New Roman Bold 14 pt →

School of Arts, Humanities & Social Sciences

Faculty of Arts, Humanities & Social Sciences

Nirwan University Jaipur

Rajasthan (India)

Co-Supervisor

Dr. Mahesh Kumar

Designation

Affiliation

← Times New Roman 14 pt →

Month, Year

← Times New Roman Bold 14 pt

प्रेमचन्द की कहानियों में अभिव्यक्त हाशिये का समाज

(Premchand ki Kahaniyon mein Abhivyakt Hashiye ka Samaj)

(शीर्षक: हिंदी-यूनिकोड/कोकिला फॉन्ट साइज़ 26 बोल्ट, अंग्रेज़ी- Times New Roman 14)



(लोगो की लंबाई 3.31 सेमी, चौड़ाई 3.49)

पी-एच. डी. हिंदी (यूनिकोड/कोकिला में फॉन्ट साइज़ 30 बोल्ट)

उपाधि हेतु निर्वाण विश्वविद्यालय जयपुर में प्रस्तुत (यूनिकोड/कोकिला में फॉन्ट साइज़ 20)

अनुसंधान कार्य की प्रस्तावित योजना का

शोध प्रस्ताव (यूनिकोड/कोकिला में फॉन्ट साइज़ 28, बोल्ट)

शोधार्थी (यूनिकोड/कोकिला में फॉन्ट साइज़ 20)

राकेश कुमार (यूनिकोड/कोकिला में फॉन्ट साइज़ 22 बोल्ट)

नामांकन संख्या: 202121223 (यूनिकोड/कोकिला में फॉन्ट साइज़ 18)

निर्देशक (यूनिकोड/कोकिला में फॉन्ट साइज़ 20)

डॉ. प्रेम कुमार (यूनिकोड/कोकिला में फॉन्ट साइज़ 22 बोल्ट)

सहायक प्रोफ़ेसर (यूनिकोड/कोकिला में फॉन्ट साइज़ 20 बोल्ट)

कला, मानविकी एवं सामाजिक विज्ञान विभाग (यूनिकोड/कोकिला में फॉन्ट साइज़ 18)

कला, मानविकी एवं सामाजिक विज्ञान संकाय

निर्वाण विश्वविद्यालय जयपुर

राजस्थान (भारत)

माह, वर्ष (यूनिकोड/कोकिला में फॉन्ट साइज़ 18 बोल्ट)

प्रेमचन्द की कहानियों में अभिव्यक्त हाशिये का समाज

(Premchand ki Kahaniyon mein Abhivyakt Hashiye ka Samaj)

(शीर्षक: हिंदी-यूनिकोड/कोकिला फॉन्ट साइज 26 बोलड, अंग्रेजी- Times New Roman 14)



(लोगो की लंबाई 3.31 सेमी, चौड़ाई 3.49)

पी-एच. डी. हिंदी (यूनिकोड/कोकिला में फॉन्ट साइज 30 बोलड)

उपाधि हेतु निर्वाण विश्वविद्यालय जयपुर में प्रस्तुत (यूनिकोड/कोकिला में फॉन्ट साइज 20)

अनुसंधान कार्य की प्रस्तावित योजना का

शोध प्रस्ताव (यूनिकोड/कोकिला में फॉन्ट साइज 28, बोलड)

शोधार्थी (यूनिकोड/कोकिला में फॉन्ट साइज 20)

राकेश कुमार (यूनिकोड/कोकिला में फॉन्ट साइज 22 बोलड)

नामांकन संख्या: 202121223 (यूनिकोड/कोकिला में फॉन्ट साइज 18)

निर्देशक ← (यूनिकोड/कोकिला में फॉन्ट साइज 20 बोलड) →

सह-निर्देशक

डॉ. प्रेम कुमार ← (यूनिकोड/कोकिला में फॉन्ट साइज 22 बोलड) →

डॉ. विजय कुमार

सहायक प्रोफ़ेसर ← (यूनिकोड/कोकिला में फॉन्ट साइज 20 बोलड)

पद

कला, मानविकी एवं सामाजिक विज्ञान विभाग ← (यूनिकोड/कोकिला में फॉन्ट साइज 18) → संबंधन

कला, मानविकी एवं सामाजिक विज्ञान संकाय

निर्वाण विश्वविद्यालय जयपुर

राजस्थान (भारत)

माह, वर्ष

← (यूनिकोड/कोकिला में फॉन्ट साइज 18 बोलड)

Nirwan University Jaipur

List of Faculty and Schools

Sr. No.	Faculty	School	Disciplines
1	Faculty of Agriculture	School of Agriculture	Agribusiness Management
			Agriculture
			Agronomy
			Center for Food Security (CFS)
2	Faculty of Engineering & Technology	School of Engineering & Technology	Civil Engineering
			Computer Science Engineering
			Electrical Engineering
			Electronics and Communication Engineering
			Fire and Safety
			Mechanical Engineering
			Centre for Road Safety (CRS)
			Centre of Frontier and Converging Technology (CFCT)
3	Faculty of Commerce & Management	School of Commerce & Management	Commerce
			Digital Marketing
			Entrepreneurship
			Management
4	Faculty of Arts, Humanities & Social Sciences	School of Arts, Humanities & Social Sciences	English
			Fine Arts
			Foreign Languages
			Hindi
			Indian Languages
			Performing Arts
			Philosophy
			Economics
			Gender Studies
			Geography
			History
			Home Science
			Library Science
Political Science			
Psychology			
Public Administration			

			Social Work
			Sociology
			Centre for Internal Security (CIS)
			Centre of Defense and Security Studies (CDSS)
			Centre of Energy Security (CES)
			Centre of Peace Studies (CPS)
			Journalism Media Studies
			Education
5	Faculty of Basic & Applied Sciences	School of Basic & Applied Sciences	Biochemistry
			Bioinformatics
			Biotechnology
			Botany
			Chemistry
			Environmental Studies
			Food Technology
			Forensic Science
			Geology
			Mathematics
			Microbiology
			Physics
			Statistics
			Zoology
6	Faculty of Computer Science & Applications	School of Computer Science & Applications	Computer Applications
			Information Technology
			Center of Cyber Security and Forensics (CCSF)
7	Faculty of Hospitality, Tourism & Travel Management	School of Hospitality, Tourism & Travel Management	Event Management
			Hotel Management
			Tourism and Travel Management
8	Faculty of Yoga	School of Yoga	Yoga
9	Faculty of Legal Studies	School of Law	Law
10	Faculty of Nursing Sciences	School of Nursing Sciences	Nursing Sciences
11	Faculty of Vocational & Professional Development	School of Vocational & Professional Development	
12	Faculty of Dental Sciences	School of Dental Sciences	Dental Sciences
13	Faculty of Pharmaceutical Sciences	School of Pharmaceutical Sciences	Pharmaceutical Sciences
14	Faculty of Applied Health Sciences	School of Applied Health Sciences	Health and Food Safety
			Hospital Administration
			Physiotherapy
			Public Health

Summary		
S. No.	Particulars	Numbers
1	Total Number of Faculty	14
2	Total Number of Schools	14

SYNOPSIS PREPARATION GUIDELINES

Points to be covered in Synopsis

1. **Introduction** (It should include a Definition of the terms, concepts, and theoretical perspective relevant to the topic)
2. **Literature Review**
3. **Research Gaps Identified**
4. **Universe and Research Methodology**
5. **Objectives** (It should also include the importance of the proposed research investigation)
6. **Research Hypothesis** (if any)
7. **Research Time Plan**

Sample for Research Time Plan

Research Activity	Time (in Months)					
	06	12	18	24	30	36
Course Work						
Literature Survey						
Methodology Step 1						
Methodology Step 2						
Methodology Step 3						
Methodology Step 4						
Half Yearly Reports	↑	↑	↑	↑	↑	↑
Conference presentations		C		C		
Journal Publications			J		J	
Preparation of Final Thesis						
Submission of Thesis						↑

8. **Chapterization of Thesis**
9. **References/Bibliography**
10. **Annexures** (if any)
11. **Appendices** (if any)

Note:

1. Synopsis page limit 15 to 20 pages.
2. The reference style sheet will be as per **APA** style (see section 3.3.5 at page no. - 44).
3. Refer to the **List of Faculty and Schools (Annexure 2)** for the name of the faculty, school, and discipline.

शोध प्रस्ताव प्रस्तुति संबन्धित दिशानिर्देश

शोध प्रस्ताव में सम्मिलित किए जाने वाले अनिवार्य बिन्दु

1. परिचय (इसमें विषय से संबंधित शब्दों, अवधारणाओं और सैद्धांतिक परिप्रेक्ष्य की परिभाषा शामिल होनी चाहिए)
2. साहित्य पुनरावलोकन
3. चिन्हित किया गया शोध अंतराल
4. प्रयुक्त शोध पद्धतियाँ
5. उद्देश्य (इसमें प्रस्तावित अनुसंधान जांच का महत्व भी शामिल होना चाहिए)
6. शोध परिकल्पना
7. शोध समय योजना

उदाहरणार्थ शोध समय योजना

शोध गतिविधियाँ	समय (माह में)					
	06	12	18	24	30	36
कोर्स वर्क						
साहित्य निरीक्षण						
कार्यप्रणाली सोपान 1						
कार्यप्रणाली सोपान 2						
कार्यप्रणाली सोपान 3						
कार्यप्रणाली सोपान 4						
अर्द्धवार्षिक रिपोर्ट	↑	↑	↑	↑	↑	↑
संगोष्ठी/सम्मेलन प्रस्तुतियाँ		C		C		
पत्रिकाओं में प्रकाशन			J		J	
शोध प्रबंध की प्रस्तुति						
शोध प्रबंध का मूल्यांकन हेतु प्रस्तुतीकरण						↑

8. थीसिस का अध्यायीकरण
9. संदर्भ सूची/संदर्भ ग्रंथ सूची
10. अनुबंध (यदि कोई हो)
11. परिशिष्ट (यदि कोई हो)

नोट :

1. शोध प्रस्ताव की पृष्ठ सीमा 15-20 पृष्ठ।
2. संदर्भों को शामिल करने के लिए स्टाइल शीट **APA** शैली के अनुसार होगी (पृष्ठ क्रमांक - 44 पर अनुभाग 3.3.5 देखें)।
3. संकाय, विद्यापीठ और अनुशासन के नाम के लिए **List of Faculty and Schools (Annexure 2)** देखें।

Annexure 3 (i)

Refer to this Sample format for the Thesis cover page (when only Supervisor is available)

Ph.D.
Thesis

**SOCIO-ECONOMIC IMPLICATIONS OF COVID-19
PANDEMIC IN INDIA: EMERGING RISKS AND
GROWING CHALLENGES**

← Times New Roman Bold 18 pt



← Hight 3.31 cm; Width 3.49 cm

← Times New Roman Bold 14 pt

A THESIS

← Times New Roman Bold 26 pt

Submitted to

← Times New Roman 16 pt

Nirwan University Jaipur

for the Award of a Degree of

DOCTOR OF PHILOSOPHY

← Times New Roman Bold 24 pt

In

Sociology

← Times New Roman Bold 16 pt

Submitted by

← Times New Roman 14 pt

Mr. Rakesh Kumar

← Times New Roman Bold 16 pt

Enrollment No: 2020121223

← Times New Roman 14 pt

Under the supervision of

← Times New Roman 14 pt

Dr. Prakash Kumar

← Times New Roman Bold 16 pt

Assistant Professor

← Times New Roman Bold 14 pt

School of Arts, Humanities & Social Sciences

← Times New Roman 14 pt

Faculty of Arts, Humanities & Social Sciences

Nirwan University Jaipur

Rajasthan (India)

2023

Month, Year

← Times New Roman Bold 14 pt

SOCIO-ECONOMIC IMPLICATIONS OF COVID-19 PANDEMIC
IN INDIA: EMERGING RISKS AND GROWING CHALLENGES

- Mr. Rakesh Kumar

Ph.D.
Thesis

**SOCIO-ECONOMIC IMPLICATIONS OF COVID-19
PANDEMIC IN INDIA: EMERGING RISKS AND
GROWING CHALLENGES** ← Times New Roman Bold 18 pt

SOCIO-ECONOMIC IMPLICATIONS OF COVID-19 PANDEMIC
INDIA: EMERGING RISKS AND GROWING CHALLENGES



← Hight 3.31 cm; Width 3.49 cm

← Times New Roman Bold 14 pt

A THESIS

← Times New Roman Bold 26 pt

Submitted to

← Times New Roman 16 pt

Nirwan University Jaipur

for the Award of a Degree of

DOCTOR OF PHILOSOPHY

← Times New Roman Bold 24 pt

In

Sociology

← Times New Roman Bold 16 pt

Submitted by

← Times New Roman 14 pt

Mr. Rakesh Kumar

← Times New Roman Bold 16 pt

Enrollment No: 2020121223

← Times New Roman 14 pt

Supervisor

← Times New Roman Bold 14 pt →

Co-Supervisor

Dr. Prakash Kumar

← Times New Roman Bold 16 pt →

Dr. Mahesh Kumar

Assistant Professor

← Times New Roman Bold 14 pt →

Designation

School of Arts, Humanities & Social Sciences

Affiliation

Faculty of Arts, Humanities & Social Sciences

← Times New Roman 14 pt →

Nirwan University Jaipur

Rajasthan (India)

2023

Month , Year

← Times New Roman Bold 14 pt

पी-एच. डी.
शोध प्रबंध

प्रेमचन्द की कहानियों में अभिव्यक्त हाशिये का समाज

(Premchand ki Kahaniyon mein Abhivyakt Hashiye ka Samaj)

(शीर्षक: हिंदी-यूनिकोड/कोकिला फॉन्ट साइज 26 बोल्ट, अंग्रेजी- Times New Roman 14)



(लोगो की लंबाई 3.31 सेमी, चौड़ाई 3.49)

पी-एच. डी. हिंदी (यूनिकोड/कोकिला में फॉन्ट साइज 30 बोल्ट)

उपाधि हेतु निर्वाण विश्वविद्यालय जयपुर में प्रस्तुत (यूनिकोड/कोकिला में फॉन्ट साइज 20)

शोध प्रबंध (यूनिकोड/कोकिला में फॉन्ट साइज 28, बोल्ट)

शोधार्थी (यूनिकोड/कोकिला में फॉन्ट साइज 20)

राकेश कुमार (यूनिकोड/कोकिला में फॉन्ट साइज 22 बोल्ट)

नामांकन संख्या: 202121223 (यूनिकोड/कोकिला में फॉन्ट साइज 18)

निर्देशक (यूनिकोड/कोकिला में फॉन्ट साइज 20)

डॉ. प्रेम कुमार (यूनिकोड/कोकिला में फॉन्ट साइज 22 बोल्ट)

सहायक प्रोफ़ेसर (यूनिकोड/कोकिला में फॉन्ट साइज 20 बोल्ट)

कला, मानविकी एवं सामाजिक विज्ञान विभाग
कला, मानविकी एवं सामाजिक विज्ञान संकाय
निर्वाण विश्वविद्यालय जयपुर (यूनिकोड/कोकिला में फॉन्ट साइज 18)
राजस्थान (भारत)

माह, वर्ष ← (यूनिकोड/कोकिला में फॉन्ट साइज 18 बोल्ट)

2023

प्रेमचन्द की कहानियों में अभिव्यक्त हाशिये का समाज - राकेश कुमार

पी-एच. डी.
शोध प्रबंध

प्रेमचन्द की कहानियों में अभिव्यक्त हाशिये का समाज

(Premchand ki Kahaniyon mein Abhivyakt Hashiye ka Samaj)

(शीर्षक: हिंदी-यूनिकोड/कोकिला फॉन्ट साइज़ 26 बोलड, अंग्रेजी- Times New Roman 14)



(लोगो की लंबाई 3.31 सेमी, चौड़ाई 3.49)

पी-एच. डी. हिंदी (यूनिकोड/कोकिला में फॉन्ट साइज़ 30 बोलड)

उपाधि हेतु निर्वाण विश्वविद्यालय जयपुर में प्रस्तुत (यूनिकोड/कोकिला में फॉन्ट साइज़ 20)

शोध प्रबंध (यूनिकोड/कोकिला में फॉन्ट साइज़ 28, बोलड)

शोधार्थी (यूनिकोड/कोकिला में फॉन्ट साइज़ 20)

राकेश कुमार (यूनिकोड/कोकिला में फॉन्ट साइज़ 22 बोलड)

नामांकन संख्या: 202121223 (यूनिकोड/कोकिला में फॉन्ट साइज़ 18)

निर्देशक ← (यूनिकोड/कोकिला में फॉन्ट साइज़ 20 बोलड) →

सह-निर्देशक

डॉ. प्रेम कुमार ← (यूनिकोड/कोकिला में फॉन्ट साइज़ 22 बोलड) →

डॉ. विजय कुमार

सहायक प्रोफ़ेसर ← (यूनिकोड/कोकिला में फॉन्ट साइज़ 20 बोलड) →

पद

कला, मानविकी एवं सामाजिक विज्ञान विभाग ← (यूनिकोड/कोकिला में फॉन्ट साइज़ 18) →

संबंधन

कला, मानविकी एवं सामाजिक विज्ञान विभाग

निर्वाण विश्वविद्यालय जयपुर

राजस्थान (भारत)

माह, वर्ष

← (यूनिकोड/कोकिला में फॉन्ट साइज़ 18 बोलड)

2023

WORDS OF GRATITUDE

(Not mandatory)

Dedicated to

समर्पण/कृतज्ञता ज्ञापन

(अनिवार्य नहीं है)

पूज्य..... को समर्पित

SUPERVISOR'S CERTIFICATE

This is certified that the work reported in the Ph.D. thesis entitled [**Thesis Title**] submitted by Mr./Ms. [**Name of Scholar**] to Nirwan University Jaipur, India is a bonafide record of **his/her** original work carried out under my supervision. I certify that the thesis has been prepared without resorting to plagiarism and this work has not been submitted for the award of any other degree/diploma from this university or any other institution. This work is being recommended for further evaluation.

Date:

(Signature of Supervisor)

Name of Supervisor

Designation

Name of School

Name of faculty

Nirwan University Jaipur

CO-SUPERVISOR'S CERTIFICATE

(If applicable)

This is certified that the work reported in the Ph.D. thesis entitled [**Thesis Title**] submitted by Mr./Ms. [**Name of Scholar**] to Nirwan University Jaipur, India is a bonafide record of his/her original work carried out under my co-supervision. I certify that the thesis has been prepared without resorting to plagiarism and this work has not been submitted for the award of any other degree/diploma from this university or any other institution. This work is being recommended for further evaluation.

Date:

(Signature of Co-Supervisor)

Name of Co-Supervisor

Designation

Affiliation

निर्देशक का प्रमाण पत्र

प्रमाणित किया जाता है कि श्री/सुश्री ने मेरे नियमित निर्देशन में
..... विषय पर पी-एच. डी. उपाधि हेतु विभाग, निर्वाण विश्वविद्यालय जयपुर में
शोध-प्रबंध प्रस्तुत किया है। मेरे संज्ञान में प्रस्तुत शोध-प्रबंध उनका मौलिक कार्य है एवं साहित्यिक चोरी से मुक्त है।
इसे अंशतः या पूर्णतः इस विश्वविद्यालय या किसी अन्य संस्थान में किसी उपाधि हेतु प्रस्तुत नहीं किया गया है।
अतः निर्वाण विश्वविद्यालय जयपुर द्वारा [शोधार्थी का नाम] के शोध प्रबंध का मूल्यांकन करने की अनुशंसा करता
हूँ।

दिनांक:

(निर्देशक के हस्ताक्षर)

नाम

पदनाम

विभाग :

संकाय :

निर्वाण विश्वविद्यालय जयपुर

सह-निर्देशक का प्रमाण पत्र

(यदि सह-निर्देशक प्राप्त है)

प्रमाणित किया जाता है कि श्री/सुश्री ने मेरे नियमित निर्देशन में
..... विषय पर पी-एच. डी. उपाधि हेतु विभाग, निर्वाण विश्वविद्यालय जयपुर में
शोध-प्रबंध प्रस्तुत किया है। मेरे संज्ञान में प्रस्तुत शोध-प्रबंध उनका मौलिक कार्य है एवं साहित्यिक चोरी से मुक्त है।
इसे अंशतः या पूर्णतः इस विश्वविद्यालय या किसी अन्य संस्थान में किसी उपाधि हेतु प्रस्तुत नहीं किया गया है।
अतः निर्वाण विश्वविद्यालय जयपुर द्वारा [शोधार्थी का नाम] के शोध प्रबंध का मूल्यांकन करने की अनुशंसा करता
हूँ।

दिनांक:

(सह-निर्देशक के हस्ताक्षर)

नाम

पदनाम

संबंधन :

DECLARATION

I hereby declare that the work reported in the Ph.D. thesis entitled “**Thesis Title**” submitted to Nirwan University Jaipur, India is an authentic record of my work carried out under the supervision of [**Name of Supervisor(s)**]. It is further assured that this work has not been submitted fully or partly for awarding any other degree/diploma from this university or any other institution. I also attest that this work is original and I am fully responsible for the content of my Ph.D. thesis.

(Signature of the Scholar)

Date:

Name
Enrolment No.:
Name of School
Name of faculty
Nirwan University Jaipur

(शोधार्थी द्वारा घोषणा)

घोषणा-पत्र

मैं घोषणा करता/करती हूँ कि मैंने विभाग, निर्वाण विश्वविद्यालय जयपुर में पी-एच. डी. उपाधि हेतु विषय पर के नियमित शोध निर्देशन में यह शोध-प्रबंध पूर्ण किया है। प्रस्तुत शोध-प्रबंध मेरा मौलिक कार्य है। मेरे संज्ञान में इसे अंशतः या पूर्णतः इस विश्वविद्यालय या किसी अन्य संस्थान में किसी उपाधि हेतु प्रस्तुत नहीं किया गया है।

दिनांक:

शोधार्थी

(हस्ताक्षर)

नाम

नामांकन संख्या :

विभाग :

संकाय :

निर्वाण विश्वविद्यालय जयपुर

PREFACE

(Not mandatory)

The preface serves as the place within the thesis where a student can provide a brief statement as to the nature and extent of his or her contribution to any collaborative work that has been included in the thesis. It also serves as a place for including a short factual statement that any required research ethics approval was obtained. **All theses** at Nirwan University Jaipur **must contain a preface** when the research conducted for the **thesis required ethics approval**. A preface need not be long; its purpose is not to summarize the thesis. The preface must be reviewed by your research supervisor before your thesis is considered by the examiners for the final examination.

भूमिका

(अनिवार्य नहीं है)

भूमिका शोध-प्रबंध के भीतर उस स्थान के रूप में कार्य करती है जहां एक छात्र शोध-प्रबंध में शामिल किए गए किसी भी सहयोगी कार्य में उसके योगदान की प्रकृति और क्षेत्र के रूप में एक संक्षिप्त विवरण प्रदान कर सकता है। यह एक संक्षिप्त तथ्यात्मक कथन को शामिल करने के लिए एक स्थान के रूप में भी कार्य करता है कि कोई आवश्यक अनुसंधान नैतिकता अनुमोदन प्राप्त किया गया था। यदि शोध-प्रबंध के लिए किए गए शोध कार्य के लिए किसी नैतिक अनुमोदन की आवश्यकता होती है, तब निर्वाण विश्वविद्यालय जयपुर में सभी शोध-प्रबंधों में एक भूमिका का होना आवश्यक है। एक भूमिका को लंबा होने की आवश्यकता नहीं है; इसका उद्देश्य शोध-प्रबंध को सारांशित करना नहीं है। अंतिम परीक्षा के लिए परीक्षकों द्वारा आपके शोध-प्रबंध पर विचार करने से पहले आपके शोध-निर्देशक द्वारा भूमिका की समीक्षा की जानी चाहिए।

ACKNOWLEDGMENTS

Write an acknowledgment for a maximum of one page. The candidate should convey his/her words of appreciation to all who have played a role in the completion of his/her Ph.D. work. The supervisor, co-supervisor, head of the department, faculty members, lab mates, family members, etc. may be acknowledged. Any controversial statement or non-academic/abused sentiments cannot be written on this page. In the end, the scholar should put his signature.

Date:

(Signature of the Scholar)

Name

Enrolment No.:

Name of School

Name of faculty

Nirwan University Jaipur

आभार प्रकटीकरण

आभार प्रकटीकरण अधिकतम एक पृष्ठ का लिखें। इसमें शोधार्थी को अपने शोध कार्य को पूरा करने में भूमिका निभाने वाले सभी लोगों की सराहना करनी चाहिए। निर्देशक, सह-निर्देशक, विभागाध्यक्ष, संकाय सदस्य, प्रयोगशाला साथी, परिवार के सदस्य आदि का आभार प्रकट किया जा सकता है। इस पृष्ठ पर कोई भी विवादास्पद बयान या गैर-शैक्षणिक/अपमानजनक भावनाओं को नहीं लिखा जा सकता है। अंत में शोधार्थी को अपना हस्ताक्षर करना चाहिए।

दिनांक:

शोधार्थी

(हस्ताक्षर)

नाम

नामांकन संख्या :

विभाग :

संकाय :

निर्वाण विश्वविद्यालय जयपुर

ABSTRACT

Guidelines to write Abstract:

- The abstract should highlight the thesis. The objectives and findings should be correlated and clear. A brief summary of the thesis with details highlighting various chapters should be included in the abstract. The introduction and literature review are not required to be incorporated in the abstract part of the thesis.
- The abstract should be compacted into two pages of around 500 words. At the end of the abstract, keywords should be mentioned. Keywords are the important buzzwords of the thesis.

Keywords: 10-20 keywords should be mentioned.

शोध सार

- शोध प्रबंध में सम्मिलित किये गये सभी प्रमुख कार्यों को शोध सार में उजागर करना चाहिए। उद्देश्यों और निष्कर्षों को सहसंबद्ध और स्पष्ट होना चाहिए। शोध सार में विभिन्न अध्यायों को उजागर करने वाले विवरण के साथ शोध प्रबंध का एक संक्षिप्त सारांश शामिल किया जाना चाहिए। शोध प्रबंध के शोध सार भाग में शामिल करने के लिए परिचय और साहित्य समीक्षा की आवश्यकता नहीं है।
- शोध सार को लगभग 500 शब्दों में (दो पृष्ठों में) संकलित किया जाना चाहिए। शोध सार के अंत में बीजशब्दों का उल्लेख किया जाना चाहिए। बीजशब्द शोध प्रबंध के मुख्यता प्रयुक्त होने वाले शब्द होते हैं।

बीजशब्द: 10-20 बीजशब्दों का उल्लेख किया जाना चाहिए।

LIST OF ABBREVIATIONS

Abbreviations should be written alphabetically.

Abbreviation	Description
AGM	Alternating Gradient Magnetometer
BJH	Barrett-Joyner-Halenda
CNTs	Carbon Nanotubes
DMS	Dimethyl sulfoxide
SEM	Scanning Electron Microscopy
XPS	X-ray Photoelectron Spectroscopy

संक्षिप्ताक्षर/संकेताक्षरों की सूची

(यदि लागू हो तो)

Abbreviation	Description
AGM	Alternating Gradient Magnetometer
BJH	Barrett-Joyner-Halenda
CNTs	Carbon Nanotubes
DMS	Dimethyl sulfoxide
SEM	Scanning Electron Microscopy
XPS	X-ray Photoelectron Spectroscopy

LIST OF SYMBOLS

Symbols should be alphabetically written

Symbol	Nomenclature	Unit (MKS/CGS)
A	Area	m^2
g	Acceleration due to gravity	m/s^2
m	Mass	g, kg
v	Velocity	m/s
λ	Wavelength	nm, m
ν	Frequency	Hz, s^{-1}
π	Osmotic pressure	Pa
ρ	Density	gm/cm^3
σ	Surface tension	N/m

प्रतीकों की सूची

(यदि लागू हो तो)

Symbol	Nomenclature	Unit (MKS/CGS)
A	Area	m^2
g	Acceleration due to gravity	m/s^2
m	Mass	g, kg
v	Velocity	m/s
λ	Wavelength	nm, m
ν	Frequency	Hz, s^{-1}
π	Osmotic pressure	Pa
ρ	Density	gm/cm^3
σ	Surface tension	N/m

LIST OF FIGURES

Chapter 1	Page No.
Figure 1.1: Image of Zirconium dioxide nanopowder	01
Figure 1.2: Structure of Boron Nitride	
Figure 1.3: Structure of calcium carbonate	
Figure 1.4: Structure of LDH.	
Chapter 2	
Figure 2.1: FTIR of starch and nano SiC	
Figure 2.2: SEM micrograph of starch/SiC nanocomposites	
Figure 2.3: TGA curve of starch and its nanocomposites	
Figure 2.4: Tensile strength of starch and cellulose	

Chapter 7	
Figure 7.1: FTIR spectra of starch, ZrO ₂	
Figure 7.2: FESEM image of starch/ZrO ₂ bionanocomposites	
Figure 7.3: HRTEM of starch/ZrO ₂ bionanocomposites	
Figure 7.4: TGA curves of starch, ZrO ₂ and starch/ZrO ₂ bionanocomposites.	

चित्रों की सूची

अध्याय 1

पृष्ठ संख्या

चित्र 1.1: प्रेमचंद जी का मित्रों के साथ वार्तालाप

01

LIST OF TABLES

Chapter 1	Page No.
Table 1.1: Types of natural polymers, their source, and examples.	01
Table 1.2: Chemical resistance properties of different fiber-reinforced composites.	
Chapter 2	
Table 2.1: 2θ value, d-spacing, β value, and τ value of CaCO_3 ,	
Table 2.2: degradation temperature of starch and starch/EG bionanocomposites	

Chapter 7	
Table 7.1: Selected examples of bionanocomposites involving different types of fillers	
Table 7.2: Thermograms of soy/ CaCO_3 nanocomposites	

तालिकाओं की सूची

तालिका

पृष्ठ संख्या

तालिका 1.1: समाज के प्रकार

01

TABLE OF CONTENTS

Content Details	Page No.
Title Page	i
Words of Gratitude	ii
Certificate by the Supervisor(s)	iii
Declaration	iv
Preface	v
Acknowledgments	vi
Abstract	vii
List of Abbreviations	ix
List of Symbols	x
List of Figures	xi
List of Tables	xii
Contents	xiii
Chapter 1	Introduction
	01-50
1.1 Introduction	01
1.2 Problem Statement of the Thesis	
1.3 Objectives of the Thesis	
1.4 Organization of the Thesis	
Chapter 2	Literature Survey
2.1 Introduction (Sub-section)	
2.1.1 Literature Survey (Sub-sub-section)	
2.2 Future Scope of the Research Work	
Chapter 3	Materials and Experimental Techniques/Methodology
3.1 Introduction	
3.2 Summary	
Chapter 4	Name of the Chapter
4.1 Introduction	
4.2 Results and Discussion	
4.2.1 Sub-sub-section	
4.3 Summary	
Chapter 5	Conclusions and Future Scope

5.1	Conclusions	
5.2	Future Scope of the Work	
	References	
	Appendices (if any)	I
	List of Publications (Journal and conference in a separate list)	II
	Reprints of published papers related to the thesis	III

विषयानुक्रमणिका

शीर्षक	पृष्ठ संख्या
शीर्षक पेज	i
समर्पण/कृतज्ञता ज्ञापन	ii
निर्देशक का प्रमाण पत्र	iii
घोषणा-पत्र	iv
भूमिका	v
आभार	vi
शोध सार	vii
संक्षिप्ताक्षर/संकेताक्षरों की सूची	viii
प्रतीकों की सूची	ix
चित्रों की सूची	x
तालिकाओं की सूची	xi
विषयानुक्रमणिका	xii
अध्याय -1 प्रेमचन्द : व्यक्तित्व एवं कृतित्व	1-50
1.1 प्रेमचन्द : व्यक्तित्व	1
1.2 प्रेमचन्द : कृतित्व	x
अध्याय - 2 हाशिये का समाज: अर्थ, परिभाषा और स्वरूप	x-x
2.1	x
2.3	x

GUIDELINES FOR THESIS PREPARATION

1. Introduction

1.1. Purpose

This document, referred to as the Thesis Guide, describes the broad and detailed requirements for thesis preparation and suggestions for content organization. For style, structure, and presentation of the thesis, students must adhere to the below style manuals or reference guides.

1.2. Thesis Submission

- i. Before the submission of the thesis, the candidate has to present it in an open 'Pre-presentation of thesis at the university. The presence of URC members in this meeting is mandatory.
- ii. Two first-author journal publications indexed in SCI/Web of Science/SCOPUS/UGC CARE List/Refereed Journals in the field of research are mandatory for submitting the thesis. The publications shall be related to the subject of the thesis.
- iii. The articles must be published/accepted for publication with NUJ affiliation before submission of the thesis for evaluation.
- iv. Ph.D. scholars must present two research papers/posters at National/International conferences before the submission of the thesis for evaluation, and produce evidence for the same in the form of presentation certificates.
- v. Permission/acknowledgment will be required to use data/figures/photos/diagrams of other sources.
- vi. DrillBit/Turnitin Plagiarism report of the whole final thesis is required with a similarity index as per UGC guidelines.
- vii. Students should also submit the thesis in soft copy (both PDF and word) for storage and archival.

The research scholars are advised to follow the below guidelines:

1.2.1. Number of Copies

Seven copies of the thesis (when only the supervisor is present) or eight copies of the thesis (when the supervisor and co-supervisor are present) have to be submitted in the hardbound form to the Research Section, NUJ for evaluation.

1.2.2. Color of the Front Cover of Hardbound

The front cover of the hardbound should be the same as the title page of the thesis [Refer to Annexure 3 (i-iv)]. The color of the hardbound should be according to the

faculty in which the student is enrolled as mentioned on the next page:

S. No.	Name of Faculty	Color of Thesis
1	Faculty of Agriculture	Light Green
2	Faculty of Applied Health Sciences	White
3	Faculty of Arts, Humanities & Social Sciences	Olive Green
4	Faculty of Basic & Applied Sciences	Navy Blue
5	Faculty of Commerce & Management	Yellow
6	Faculty of Computer Science & Applications	Pink
7	Faculty of Dental Sciences	Magenta
8	Faculty of Engineering & Technology	Red
9	Faculty of Hospitality, Tourism & Travel Management	Orange Dark
10	Faculty of Legal Studies	Black
11	Faculty of Nursing Sciences	Purple
12	Faculty of Pharmaceutical Sciences	Light Blue
13	Faculty of Yoga	Dark Grey

1.2.3. Spine of the Thesis

The degree's name, thesis title, research scholar's name, and year of submission should also be printed on the spine (side) of the thesis.

2. Specifications for Thesis Format

2.1. Preparation of Research Summary

It is required to submit five copies of the research summary in tape binding with the submission of the final thesis. A research summary should be created in close collaboration with the research supervisor(s). It should start with the thesis title (in Times New Roman with font size 14 points bold, centered), a single space gap, followed by the name and enrolment number of the research (in Times New Roman with font size 12 points bold, centered), and then a single space gap followed by the title **Research Summary** (in Times New Roman with font size 12 points bold, centered). After a single space, the text should be resumed on the same page (there is no need of the title page).

Similar to a thesis, a research summary should be roughly divided into seven sections: (i) Introduction, (ii) Review of Literature, (iii) Research Methodology or Materials and Methods, (iv) Results and Discussion, (v) Conclusions, (vi) Direction of Future

Research, and (vii) References.

It must be written with single-line spacing and a 12-point Times New Roman font within the specified margin of the page. No more than 10 typed pages should be included in the document. Tables, figures, and equations should only be used when absolutely necessary. Only the most important references should be included in the text. To improve readability, sections and subsections (which are not exactly the same as those used in the main thesis) may be employed. The Research Summary should just contain the minimum and necessary portions of Appendices and the references list.

2.2. Preparation of Synopsis/Thesis

The synopsis/thesis needs to be prepared using standard text processing software and must be printed in black text (color for images, if necessary) using a laser printer or letter quality printer in the standard typeface (**for English** - Times New Roman font and **for Hindi** –Kruti Dev/DevLys/Unicode - Aparajita/Kokila font).

- Throughout the synopsis/thesis, all the text including headings and subheadings should have the preferred text size of 12 points for English and Hindi. **Headings and subheadings** should be written in **bold** letters (Capitalize Each Word).
- In the main body of the thesis, each chapter shall begin on a fresh odd-number page. Chapter number (in Hindu-Arabic) shall be printed at the center of the line in 36 points font size in **bold** letters using both upper and lower case (all capitals or small capitals shall not be used).
- The **Title of the Chapter/document** should be written in **bold** letters using both upper and lower case (all capitals or small capitals shall not be used) and the font size should be 18 points. A vertical gap of about 25 mm shall be left between the Chapter number and Chapter title lines and between the chapter title line and the first paragraph.
- A chapter can be divided into sections, subsections, and sub-subsections to present different concepts separately. Sections and subsections can be numbered using decimal points, for example, 2.2 for the second section in Chapter 2 and 2.3.4 for the fourth subsection in the third section of Chapter 2. Chapters, sections, and subsections should be included in the table of contents with page numbers aligned to the right. Further subsections do not need to be numbered or included in the table of contents.
- The required font size for **footnotes and endnotes** (if any) is 10 points.

2.2.1. The thesis must be printed on white bond paper of ≥ 90 gsm on a single side. All copies of thesis pages must be clear, sharp, and even, with uniform size and uniformly spaced characters, lines, and margins on every page.

2.2.2. Thesis should be free from typographical errors.

2.3. Size and Margins

2.3.1. The A4 (21 cm x 29.7 cm) is the recommended thesis size. The thesis should be printed on both sides.

2.3.2. The top, bottom, and right-side margins should be 25 mm, whereas the left side margin should be 35 mm for both textual and non-textual (e.g., figures, tables) pages.

2.3.3. Content should not extend beyond the bottom margin except the footnote, the last line of a chapter/subdivision, or a figure/table caption.

2.3.4. A sub-head at the bottom of the page should have at least two full lines of content below it. If the sub-head is too short to allow this, it should begin on the next page.

2.3.5. All tables and figures must adhere to the same requirements as the text. Color may be used for figures. If tables and figures are large, they may be reduced to the standard size (provided the reduced area is not less than 50% of the original).

2.4. Page Numbering

2.4.1. Every page except the title page must have a number on it. There must be no blank pages in the thesis. The page number sequence will be verified at the time of final submission. For both, **English and Hindi mediums**, the following rules must be followed:

2.4.2. Page numbers prior to Chapter 1 should be in lowercase Roman numerals (i, ii, iii, ...) in the serial order mentioned in the **Table of Contents [Refer to Annexure 14 (i-ii)]**. The title page is considered to be a page (i) but the number is not printed.

2.4.3. Beginning with the first page of the text in the thesis (chapter 1), all pages should be numbered consecutively and consistently in Hindu-Arabic numerals (1, 2, 3, ...) through the appendices.

2.4.4. All page numbers should be placed without punctuation in the lower middle of the footer with a foot separation of 10 mm.

2.5. Line Spacing

The text of the manuscript should be in 2.0 spacing (3 lines per inch). Long tables, footnotes/endnotes, and multi-line captions should be single-spaced (6 lines per inch).

2.6. Tables, Figures, and Equations

- 2.6.1.** Every table (tabulated data) and figure (chart, graph, map, image, diagram, etc.) should be as near as possible to the textual reference and adhere to the guidelines stated above.
- 2.6.2.** Tables, figures, and equations should be progressively numbered using Hindu-Arabic numerals chapter by chapter. The first letter of the word that refers to them is capitalized in the body of the text, as in Table 5.3, Figure 3.11, Equation (4.16), etc. For example, the 1st figure of Chapter 5 should be written as Figure 5.1, the 2nd table of Chapter 4 should be written as Table 4.2, and the 10th equation of Chapter 3 should be written as (Equation 3.10).
- 2.6.3.** Images, Photographs, Figures, etc. must be in resolution exceeding 600 dpi with 256 grayscales for the monochrome images and 24 bits per pixel for the color images.

3. Guidelines for Structuring Contents

3.1. Sequence of Contents

The sequence for the thesis organization should be followed as mentioned on the **Table of Contents** page.

3.2. Preliminaries

- 3.2.1.** Title Page, Words of Gratitude, Certificate by the Supervisor/Co-Supervisor, Declaration by the research scholar, Preface, and Acknowledgments should be as per annexures 3-8 given above.

3.2.2. Abstract

- 3.2.1.1.** The thesis should contain an abstract not exceeding 500 words (about two pages) in double spacing [**Refer to Annexure 9 (i-ii)**].
- 3.2.1.2.** The abstract shall be printed in double space with the heading “ABSTRACT” in uppercase followed by certain preliminary information and the text.
- 3.2.1.3.** Abstract should be self-complete and contain no citations for which the thesis has to be referred.

3.2.2. Table of Contents

- 3.2.2.1.** The table of contents lists all material that follows it. Chapter titles, sections, first and second-order sub-divisions, etc. must be listed in it [**Refer to Annexure 14 (i-ii)**].
- 3.2.2.2.** Abbreviations, Symbols, Figures, Tables, etc. should be listed under separate headings if used in the thesis. [**Refer to Annexures 10-13 respectively**]

3.3. The Outline of the Thesis

The thesis should be written in the third person only. It should never be in the first person. This is usually done in an attempt to avoid the gender-specific such as ‘I’/‘we’/‘he’/‘she’. **For example:**

1. The researcher has acquired the said information on behalf of his observations, database analysis, and also by performing multiple experimentations on the unfurled titles.
2. The researcher has been supported by various case studies available on the topic undertaken.
3. The researcher suggests that the government should digitalize libraries and start providing increased resources to support digital devices.

3.3.1. Introduction

An introduction may be the first chapter or its first major division. In either case, it should contain a brief statement of the problem investigated. It should outline the research's scope, aim, general character, and reasons for the student's interest in the problem.

3.3.2. The body of the Thesis

This is the substance of the dissertation inclusive of all divisions, subdivisions, tables, figures, etc.

3.3.3. Summary and Conclusions

These are given as the last major and important part (chapter) of the text of the thesis. It should include interesting findings of the work. It is further followed by a final subdivision titled as “Future Scope of the Work”.

3.3.4. Future Scope of the Work

A thesis should have a future scope of the work.

3.3.5. Reference Material

The list of references should appear as a consolidated list with references listed sequentially as they appear in the text of the thesis. A student must follow the American Psychological Association (APA) reference style to prepare the thesis. If pertinent works have been consulted but not specifically cited, they should be listed as Bibliography or General References. Spacing and font size should be consistent inside a single reference, and there should be 1.5 spacing between two different references.

Reference Format

- i. For referencing an article in a scientific journal, the suggested format should contain

the following information: authors, year of publication, title, name of the journal, volume number, issue number, and page numbers with range. See the below examples:

Journal Citation Format: Author, A. A., & Author, B. B. (Year). Title of the article. *Name of the Periodical*, volume(issue), #-#. <https://doi.org/xxxx>

Guidelines:

- a. Invert names so that the last name comes first, followed by a comma and the initials. Leave a space between initials. Retain the order of authors' names.
- b. Place the year in parentheses. End with a period.
- c. In the title capitalize only the first letter of the first word. For a two-part title, capitalize the first word of the second part of the title. Also, capitalize proper nouns. Do not italicize. End with a period.
- d. Capitalize all major words in the periodical name. Follow with a comma. Italicize the periodical name (but not the comma after).
- e. Italicize the volume number. Do not put a space between the volume number and the parentheses around the issue number.
- f. Do not italicize the issue number or parentheses. Follow the parentheses with a comma. In case of non-availability of the issue number, follow the volume number with a comma.
- g. Include the article page range. Use an en dash; do not put spaces around the en dash. End with a period.
- h. In case an article has a DOI, include a DOI for all works that have been done. Do not put a period after the DOI.

Example:

1. Abdullah, S. A., Iqbal, A., & Frommann, L. (2008). Melt mixing of carbon fibers and carbonnanotubes incorporated polyurethanes. *J. Appl. Polym. Sci.*, 110(1), 196-202.
2. Swain, S. K., & Isayev, A. I. (2007). Effect of ultrasound on HDPE/clay nanocomposites: Rheology, structure and properties. *Polymer*, 48(1), 281-289.

A DOI can be used to cite and link to electronic articles where an article is in press/early view.

Conference Proceedings Citation Format:

1. Fischmeister, H. F. (1982). Development and present status of the science and technology of hard materials, Science of Hard Materials, Viswanadham, R. K., Rowcliffe, D. J., & Gurland, J. (Eds.) *Plenum Press*, New York, USA, 1-45.
2. Baek, W. H., Hong, M. H., Lee, S., & Chung, D. T. (1995). A study on the shear

localization behavior of tungsten heavy alloy, Tungsten and Refractory Metals 2, Bose, A. & Dowding, R. J.(Eds.), *Metal Powder Industries Federation*, Princeton, New Jersey, USA, 463-471.

- ii. For referencing a published book, the suggested format should contain, authors, year of publication, the title of the book, and publisher.

Book Citation Format: Author, A. A., & Author, B. B. (Copyright Year). *Title of the book* (7th ed.). Publisher. DOI or URL

Guidelines:

- a. Invert names so that the last name comes first, followed by a comma and the initials. Leave a space between initials. Retain the order of authors' names.
- b. Place the copyright year in parentheses. End with a period.
- c. In the book title, capitalize only the first letter of the first word. For a two-part title, capitalize the first word of the second part of the title. Also, capitalize proper nouns. Italicize the title. End with a period.
- d. Include the name of the publisher, followed by a period. Do not include the publisher's location. Are there multiple publishers? If so, separate them with a semicolon.
- e. In case a book has a DOI, include the DOI. Do not include a URL or database information for works from academic research databases. Include a URL for ebooks from other websites. Do not put a period after the DOI or URL.
- f. In case the book has an edition or volume number, include the number in parentheses after the title but before the period. If both, show edition first and volume second, separated by a comma. Do not put a period between the title and the parenthetical information.

Example:

German, R. M. (1990). *Powder injection molding, metal powder industries federation*, Princeton.

- iii. For referencing an article/chapter published in a book, the suggested format should contain, authors, year of publication, the title of the book, editors, publisher, and page number of the article in the book being referred to.

Book Chapter Citation Format: Author, A. A., & Author, B. B. (Copyright Year). Title of the book chapter. In A. A. Editor & B. B. Editor (Eds.), *Title of the book* (2nd ed., #-#). Publisher. DOI or URL

- a. Invert names so that the last name comes first, followed by a comma and the initials. Leave a space between initials. Retain the order of authors' names.
- b. Place the copyright year in parentheses. End with a period.
- c. In the title capitalize only the first letter of the first word. For a two-part title, capitalize the first word of the second part of the title. Also, capitalize proper nouns. Do not italicize. End with a period.
- d. Write the word "In" and the initials and last name (not inverted) of each editor. Use "(Ed.)" for one editor or "(Eds.)" for multiple editors. End with a comma.
- e. Provide the title of the book in which the chapter appears. Capitalize only the first letter of the first word. For a two-part title, capitalize the first word of the second part of the title. Also, capitalize proper nouns. Italicize the book title.
- f. Include the chapter page range. End with a period. Does the book have an edition or volume number? If so, include the number in parentheses before the page range. If both, show edition first and volume second, separated by a comma, before the page range. Do not put a period between the title and the parenthetical information
- g. Include the name of the publisher followed by a period. Do not include the publisher's location. If there are multiple publishers, separate them with a semicolon.
- h. In case the book chapter has a DOI or URL, Include it. Do not include a URL or database information for works from academic research databases. Include a URL for eBooks from other websites. Do not put a period after the DOI or URL.

Example:

Swain, S. K., Sahoo, G., & Sarkar, N. (2015). Manufacturing of chemically modified Date Palm leaf fibre-reinforced polymer composites. In M. Jawaid (Ed.) *Manufacturing of Natural Fibre Reinforced Polymer Composites* (291-308). Springer International Publishing.

- iv. For referencing a thesis, the suggested format should contain, the author, year of publication, the title of the thesis, and the name of the institute/university/college where the thesis was submitted or awarded.

Example:

Johnson, J. L. (1994). *Densification, Microstructural evolution, and thermal properties of liquid phase sintered composites*, Ph.D. Thesis, The Pennsylvania State University, University Park, Pennsylvania, USA.

v. **Technical Reports**

Zukas, E. G., Rogers, P. S. Z., & Rogers, R. S. (1976). Experimental evidence for spheroid growth mechanisms in the liquid phase sintered tungsten-based composites, Informal Report: Los Alamos Scientific Laboratory, USA, 1-35.

vi. **Patents:**

Oenning, V., & Clark, I. S. R. (1991). Title of the patents, U.S. Patent No.: 4988386.

Note:

1. If the total number of authors in any citation is ≤ 10 , then write all authors' names in the prescribed format as mentioned earlier.
2. For more than 10 authors in any citation, write **et al.** after writing the names of 10 authors.

3.3.6. Appendix or Appendices

3.3.6.1. Supplementary illustrative material, original data, and quotations too lengthy for inclusion in the text or which is not immediately essential to an understanding of the subject can be presented in Appendix or Appendices (as Appendix A, Appendix B, etc.)

3.3.6.2. Each appendix with its title should be listed separately in the table of contents. Likewise, tables and figures contained in the Appendices are to be included in the lists of tables and figures, respectively.

4. Concluding Remarks

This Thesis Guide lists only the basic requirements for preparing the thesis. Over and above the aforementioned points, a thesis should be reader-friendly in both its appearance and presentation.
