



UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE
Office of the Registrar, GKVK, Bangalore-560065

No. R/AR/SA/AC-192/2021-22 /Item No.27 -Part-B

Date: 11-11-2021

Sub: Adoption of new guidelines for Master's and Doctoral Thesis preparation at UAS, Bangalore – reg.

- Ref: 1. Minutes of the 192st Academic Council Meeting (Item No.27- Part-B) held on 12.8.2021
2. Draft Notification No. R/PS/AC-192/Part-B-Item-27/2021-22 dated 10-10-2021 of the Dean(PGS), UAS, Bangalore
3. Recommendation of the Director of Education, UAS, Bangalore dated 10-11-2021
4. Approval of the Vice-Chancellor, UAS, Bangalore dated 10-11-2021

PREAMBLE:

Thesis submission by Master's and Doctoral Students is compulsory for the fulfillment of the respective degree programmes at UASB. The Thesis format is provided by the document 'General Information: Post Graduate College 1988' and the revisions approved in the 156th Academic Council meeting held on December 4, 2006. With the advent of computation and advances in printing & publishing technology, the Thesis format could be revised for the betterment. Set of procedures adopted are as per the following notifications:

1. No. R/PS/AC-156 (Item-34)/2006-07, dated: March 8, 2007
2. No. R/PS/AC 175/D(PGS)/2013-14, dated: May 14, 2013
3. No. R/PS/AC-179(Part-B: Item-9)/2014-15, dated: March 19, 2015
4. No. R/AR/AC-183/Thesis Masters/2017-18, dated: June 23, 2017

As per the need of the students as well as the faculty, a comprehensive guidelines were prepared and enclosed for the consideration of the proposal. The Item was approved at 18th BoS(PGS) with a suggestion that the Guidelines shall be released as a document for adoption by the PG students from the Academic year 2021-22 onwards.

Further, the same was placed as an Item before the 192nd Academic Council meeting held on 12.08.2021 (Item No. 27) and that was approved to adopt the guidelines for preparation of thesis for Master's and Ph.D. programmes along with uniform format for certificates, cover page and content pages as put-up in the Agenda Item. Hence, the Notification:

NOTIFICATION

As per the decision of 192nd Academic Council Meeting held on 12.8.2021 (Item No.27), the new guidelines for Master's and Doctoral thesis preparation at UAS, Bangalore is approved w.e.f. the academic year 2021-22 as per the details enclosed in Annexure.



BY ORDER

[Signature]
REGISTRAR

To

The Chairman and all the Members of the Academic Council

Cc to: The Asst. Registrar/ Asst. Comptroller, UAS, Bangalore.

New Guidelines

POSTGRADUATE RESEARCH AND THESIS

Research work carried out during the course of study is one of the most important achievements of the post-graduate students, which is documented and submitted in the form of a Thesis to the University. The thesis is an important document for students and academicians as it is referred by large number of stakeholders of teaching, research, extension and developmental activities. Research carried out under PG programme is generally of high standards and several technologies evolve through such efforts. Therefore, it is necessary that students and advisory committees make special efforts to bring-out quality research work and present the thesis in a form which is nationally and internationally acceptable. Further, students as well as the University should feel proud of possessing and preserving them. There should be uniformity in the preparation of thesis across different departments of the University. Therefore, to help students and advisory committees to prepare and submit quality thesis, following broad guidelines have been framed by the University, which will come into force from the academic year 2020-21.

1. Outer Cover Page

The colour of the outer bound cover should be charcoal black colour with calico binding. A **thick yellow wrapper printed with black letters should form a jacket for the Thesis. The title of the thesis, name of the student with I.D.No., Year of submission, Department and College where the student has registered for the PG programme and the name of the University should be printed on the thick yellow wrapper / outer cover. On spine portion of the Thesis Master's / Doctoral degree should be indicated with year of submission. In addition, year, title and name of the student should be printed in black. (The format is enclosed for ready reference)** The wrapper should be covered tightly with a transparent plastic sheet.

2. Preliminary Pages

The preliminary pages of the Thesis should include the following as per the sequence:

- i) **First inside cover page** giving the same details as the outer cover page.
- ii) **Second inside cover page** shall provide information given on the outer cover page and also include "Thesis submitted to the University of Agricultural Sciences, Bangalore, in partial fulfillment for the degree of Master of Science (Agri./MBA/M.Tech.)/ Doctor of Philosophy in subject".
(The format of second inside cover page is enclosed for ready reference).
- iii) **Third preliminary page should be the "Certificate". The format of Certificate is enclosed for ready reference.** The University emblem shall be printed in the Certificate page. Certificate is approved by the Chairman and Members of the Advisory Committee for Master's degree thesis. In case of Doctoral degree the certificate is approved by the Chairman, members of the advisory committee and the nominated external examiner who conducted Thesis *viva-voce* examination.
- iv) **Fourth preliminary page shall be a "Dedication" page, which is optional**
<shall be included in the final submission copy only>
- v) **Fifth preliminary page shall include Acknowledgment**
<shall be included in final submission copy only >
- vi) **Sixth preliminary page should be the "Poster" printout (Master's only) followed by English and Kannada abstracts for both Master's and Doctoral Degree programmes.**
- vii) **Contents page** should include the titles of 6 chapters denoted by Roman numbers (I to VI). Appendices if any, should be included as Chapter heading with Roman numbers in lower case.
(The format is enclosed for ready reference).
- viii) **List of Tables**
- ix) **List of Figures**

- x) **List of Plates**
- xi) **List of Appendices**
- xii) **Abbreviations used (Optional)**

3. Thesis Chapters

The thesis should contain the following chapters.

Each chapter is separated by an interleaf with Chapter heading printed at centre of the page upper case solid black letters with font size of 20 (New times Roman)

I. INTRODUCTION <at top centre of the page font size 14 upper case bold>

The Introduction chapter should provide a preamble and justify suitably for taking-up the research work and clearly indicate the broad and specific objectives of the Thesis.

II. REVIEW OF LITERATURE

The Review of Literature should be recent and relevant to the study. Published literature related to the topic of research should be aptly synthesized to suite the context.

III. MATERIAL AND METHODS / METHODOLOGY

Material and Methods should pertain to the work carried out and should not spill over to the Results and Discussion. The Material and Methods chapter may be named as Methodology by the departments grouped under Social Sciences.

IV. RESULTS AND DISCUSSION

Results and Discussions in the form of single chapter should be presented along with tables, figures and plates in sequence. Tables, figures and plates shall appear in sequence immediately to the next page wherein they are referred to in the text. Tables and figures shall be neatly printed and, however small they may be, should be presented along with the running text. Salient findings of the results shall be discussed and supported with relevant literature appropriately.

Tables and figures printed on A4 size executive bond papers should be numbered serially irrespective of the chapter in which tables and figures are included. Plates should be printed only on one side of photography paper irrespective of whether submitted for external evaluation or final submission. Consequently, plates should be inserted between pages and not assigned with page numbers. Practical utility and Future line of work of the study shall be included at the end of Results and Discussion chapter.

V. SUMMARY

Summary including inferences and conclusions should be brief with salient findings of the investigation

VI. REFERENCES

The references cited should be in accordance with MJAS format. The abbreviations of the names of journals should be similar to that given in the World List of Scientific Periodicals.

The references should be listed in alphabetical and chronological order with hanging margins. The references cited in the text alone should be listed. Names and Initials of authors' shall be printed in uppercase letters. **(The format is enclosed for ready reference)**

4. Paper and Margin

Thesis submitted finally to the University should be printed neatly on both sides on A4 size executive white bond of 85 GSM paper. A uniform margin of 2.5 cm at top, 2 cm at bottom, 3 cm at left side and 2 cm on right side should be provided. These margins should be followed for all pages including tables and appendices.

5. Font Size and Spacing

The general text and references in the Thesis will have 12 font sizes with New Times New Roman type letters and 1.5 space between lines. Chapter heading shall be of 14 font size (uppercase) and printed in bold. Subheadings shall be of 12 font size and printed in bold.

6. Numbering of Pages

Every page in the thesis including tables and figures must be numbered for easy reference, except plates which are inserted between the pages. The page number shall be printed on the right bottom corner of each page. **The first page of each chapter shall not be numbered.**

7. Header and footer

Even page footer shall carry the abridged title of the thesis and the odd page footer contains the name of the student and degree.

8. Use of Abbreviations

Symbols, abbreviations and notations used in the thesis should be of National / International acceptance.

9. Submission of thesis for External Evaluation

Thesis should be printed neatly on single side 85 GSM executive bond paper. The Masters' students shall submit one copy of the thesis. While, the Doctoral students shall submit two copies of the Thesis for External evaluation. The thesis shall be soft bound with outer yellow cover page. **Dedication and Acknowledgement should be avoided, while submitting the thesis for External Evaluation.**

10. Submission of Final Copy

Thesis should be printed neatly on both sides of A4 size 85 GSM Executive Bond paper. Final Hard Bound copy of the thesis should be prepared by the students after incorporating relevant suggestions made by the External Examiner(s) and the suggestions by the Advisory Committee during the final thesis viva-voce and then be submitted to the University. Each thesis should be submitted in quadruplicate, inclusive of one copy to the student. In case the student is a recipient of a National, ICAR JRF/ICAR SRF/CSIR JRF/DST INSPIRE level fellowship, an additional copy of the Thesis should be submitted to the funding agency through Dean (PGS).

The student should submit one hard copy of the thesis and one CD carrying PDF version of the complete thesis each to Library, concerned Department and Chairman of the Advisory Committee of the student and one CD to Dean (PGS) office.

At the time of submission of the thesis, Master's student should submit one manuscript to the Chairperson of the Advisory Committee. Doctoral degree student should have published at least two full length research papers in journals with NAAS rating of above '4'. Doctoral degree students should append all the published papers in the thesis. The Master's student who publishes full length research paper(s) within three years from the date of Admission and Doctoral degree student within four years from the date of admission with NAAS rating above 6 will be cash incentivized 1000 times of the NAAS rating along with the Certificate of Appreciation from the Directorate of Post Graduate Studies. The chairperson of the Advisory committee of such incentivized students will also be rewarded with a Certificate of Appreciation.

11. General Guidelines

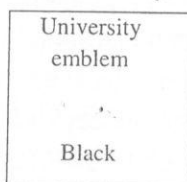
- The Chairperson and Advisory committee member seal should not appear in the Certificate page and abstract pages included in the Thesis.
- Chapter delineation pages should be uniform in font size and type with no water - mark background

Format for Outer Cover Page

Title of the thesis

[Upper Case; Except Scientific Name as per standards
(Ex. *Oryza sativa* L.)]

<full page, font size 20 normal, upper case, bold>



It should be in the spine portion



NAME OF THE STUDENT (in upper case)

ID Number (in upper case)

<SUBJECT> (in upper case)

(Ex. DEPARTMENT OF SEED SCIENCE AND TECHNOLOGY)

UNIVERSITY OF AGRICULTURAL SCIENCES

BANGALORE

Year of submission

Masters/ Doctoral programme

(Title of the thesis)

(Same as written in 1st cover page)

(Name of the student with ID Number in upper case)

Year of Submission

Format for Second Inside Cover Page

Title of the thesis

[Upper Case; Except Scientific Name as per standards
(Ex. *Oryza sativa* L.)]

Thesis submitted to the
University of Agricultural Sciences, Bangalore
in partial fulfilment of the requirements for the
Degree of

**Master of Science (Agriculture)/
MBA/M.Tech.**

in

**<SUBJECT (in upper case)>
(Ex. SEED SCIENCE AND TECHNOLOGY)**

By

<NAME OF THE STUDENT (in upper case)>

ID number (in upper case)

**UNIVERSITY OF AGRICULTURAL SCIENCES
BANGALORE
2022**

Format for Second Inside Cover

Title of the thesis
[Upper Case; Except Scientific Name as per standards
(Ex. *Oryza sativa* L.)]

Thesis submitted to the
University of Agricultural Sciences, Bangalore
in partial fulfilment of the requirements for the
Degree of

DOCTOR OF PHILOSOPHY

IN

<SUBJECT (in upper case)>
(Ex. SEED SCIENCE AND TECHNOLOGY)

By
(NAME OF THE STUDENT (in upper case))
(ID Number (in upper case))

UNIVERSITY OF AGRICULTURAL SCIENCES
BANGALORE

Format for Certificate and Approval

University
emblem

**DEPARTMENT OF SEED SCIENCE AND TECHNOLOGY
COLLEGE OF AGRICULTURE, GKVK, BENGALURU
UNIVERSITY OF AGRICULTURAL SCIENCES
BANGALORE**

CERTIFICATE

This is to certify that the thesis entitled “-----” submitted in partial fulfilment of the requirements for the degree of **Master of Science (Agriculture)** in **Seed Science and Technology** to the University of Agricultural Sciences Bangalore is a record of *bona fide* research work carried out by (**Name in Upper Case**) **PALB** ----- during the period of his/her study in this University, under my guidance and supervision. The thesis has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar titles.

Place: Mandya/ Bengaluru

Month & Year: October, 2022

()

Major Advisor

Approved by:

Chairman : _____
(Name)

Members : 1. _____
(Name)

2. _____
(Name)

3. _____
(Name)

Format for Certificate and Approval

University
emblem

**DEPARTMENT OF GENETICS AND PLANT BREEDING
COLLEGE OF AGRICULTURE, GKVK, BENGALURU
UNIVERSITY OF AGRICULTURAL SCIENCES**

**BANGALORE
CERTIFICATE**

This is to certify that the thesis entitled “-----” submitted in partial fulfilment of the requirements for the degree of **Doctor of Philosophy** in **Genetics and Plant Breeding** to the University of Agricultural Sciences Bangalore is a record of *bona fide* research work carried out by (Name in Upper Case) **PALB** ----- during the period of his/her study in this University under my guidance and supervision. The thesis has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar titles.

**Place: Mandya/ Bengaluru
Month & Year: October, 2022**

(Name)
Major Advisor

Approved by:

Chairman : _____
(Name)

Members : 1. _____
(Name)

2. _____
(Name)

3. _____
(Name)

4. _____
(Name)

External Examiner
(Name)
(Designation & Address)

INTRODUCTION

(Interleaf with chapter title in 20 Font size)

FORMAT OF CONTENT PAGE

Sl. No.	Chapter Particulars	Page *
I	INTRODUCTION	1
II	REVIEW OF LITERATURE	6
III	MATERIAL AND METHODS / METHODOLOGY	24
IV	RESULTS AND DISCUSSION	58
V	SUMMARY	82
VI	REFERENCES	86
	APPENDICES	i
	PUBLICATIONS	

* First page of the chapter only

Note:

- i) A separate page listing abbreviations may be included only if abbreviations are more in number and are used repeatedly. This page may be included just before the interleaf stating INTRODUCTION
- ii) Page number of appendices should be in Roman small numbers.
- iii) Publications shall be appended

GUIDELINES FOR CITING REFERENCES

(As per MJAS)

AMBRACIO, R., CASTAFIEDA, BAS A. M., BOUMAN, SHAOBING PENG, ROMEO, M. AND VISPERAS, 2004, Mitigating water scarcity through an aerobic system of rice production In: *Proc. Intl. Workshop on Water Wise Rice Prod.* 8-11, April, 2004, Los Banos, Philippines. p. 192-197.

ANONYMOUS, 1998, Crop management in hybrid rice. *Annual Report*, 1997-98. Directorate of Rice Research, Rajendranagar, Hyderabad, pp. 29-30.

BAI, D. I. S., ABRAHUM, A. T. AND MERCY, S. T., 1987, Hormonal influence of crop performance in green gram. *Legume Res.*, **10** (1): 49-52.