

**ANNAMALAI**  **UNIVERSITY**

(Accredited with 'A' Grade by NAAC)

Annamalainagar 608 002, Tamil Nadu

**REGULATIONS FOR**

**DOCTOR OF LETTERS (D.Litt.)**

**and**

**DOCTOR OF SCIENCE (D.Sc.)**

**Programmes**

**The regulations shall be effective from January 2020 onwards**

**DIRECTORATE OF ACADEMIC RESEARCH (DARE)**

**ANNAMALAI UNIVERSITY**

**ANNAMALAINAGAR 608 002**



## **CONTENTS**

<b>Particulars</b>	<b>Page No.</b>
1. Chapter I Act Provision	01
2. Chapter II Regulations for D.Litt. and D.Sc.	01
3. 1.0. Preamble	01
4. 2.0. General Eligibility	02
5. 3.0. Application Form and Registration	03
6. 4.0. Submission of Thesis	04
7. 5.0. Declaration, Preface and Notes	05
8. 6.0. Adjudication of Thesis	05
9. 7.0. Award of Degree	06
10. 7.1. Format and Specification for the Preparation of Thesis	06
11. 8.0. Fee Structure	07
12. Chapter III Transitory Provisions	07
13. 9.0. Amendments to the Ordinance	07
14. 10.0. Interpretation of the Ordinance	07
15. Annexures (I to VI)	08 - 13





**DIRECTORATE OF ACADEMIC RESEARCH (DARE)  
ANNAMALAI UNIVERSITY  
ANNAMALAINAGAR – 608002**



**DOCTOR OF LETTERS (D.Litt.) & DOCTOR OF SCIENCE (D.Sc.)  
REGULATIONS 2020**

**CHAPTER I  
ACT PROVISION**

In accordance with the provisions of Section 31 (b) of the Annamalai University Act 2013, the following Annamalai University Ordinance governing the award of the Degree of Doctor of Letters (D.Litt.) and Doctor of Science (D.Sc.) is prepared with the approval of the Syndicate.

The University offers facilities for Post-Doctoral Research leading to the award of D.Litt./D.Sc. Degrees in the following Faculties:

- |                            |                    |
|----------------------------|--------------------|
| ➤ Arts                     | ➤ Science          |
| ➤ Marine Sciences          | ➤ Indian Languages |
| ➤ Engineering & Technology | ➤ Education        |
| ➤ Fine Arts                | ➤ Agriculture      |
| ➤ Medicine                 | ➤ Dentistry        |

**CHAPTER II  
REGULATIONS FOR D.Litt. AND D.Sc.**

**1.0. Preamble**

Doctor of Letters (D.Litt.) and Doctor of Science (D.Sc.), the highest degrees of the Annamalai University, are awarded to a candidate who, as per regulations, has submitted a thesis on the basis of his/her original and independent post-doctoral research in any particular discipline, that makes a significant contribution to the advancement of knowledge in a particular topic or area, which is approved by the Board of Examiners as required. It should not be just a collection of research works of the candidate in a subject or discipline. The regulations framed are subject to modification from time to time by the competent authorities of the University.

## **2.0. General Eligibility**

- 2.1. Candidates seeking admission to D.Litt./D.Sc. programme of this University should have qualified for the Doctor of Philosophy (Ph.D.) from this University or from any other Indian University recognized by UGC or Foreign University listed in the world rankings such as Quacquarelli Symonds (QS), Times Higher Education (THE) or Shanghai University and recognized by UGC/AIU.
- 2.2. For the Ph.D. Degree obtained from other Universities/Institutes in India or abroad, the genuineness certificate issued by competent authority of the University is mandatory for registration.
- 2.3. Candidates seeking admission to D.Litt./D.Sc. programme must have pursued outstanding post-doctoral research in the concerned discipline after acquiring Ph.D. degree.

In addition, the following conditions should be fulfilled by the candidates:

- 2.4. He/She should have been a regular employee in this University/ any other University/research institute for a period of not less than 20 years, of which 7 years as Professor or in equivalent cadre after obtaining his/her Ph.D. and should have carried out research work with consistent record in any of the above categories of institutions recognized for the purpose of advanced research.
- 2.5. For D.Sc. Degree, the candidate should have published at least 40 research publications in SCI journals with an impact factor of 1.0 and above, in which he/she should have been a corresponding author or first author. The average of the impact factor of the journals in which the 40 articles have been published should be not less than 1.5.
- 2.6. For D.Litt. Degree other than Indian languages, the candidate should have published at least 30 research articles in SSCI/SCI journals with impact factor more than 0.5 or 25 research articles in SSCI/SCI journals with impact factor more than 0.5 and 5 books relevant to his/her research area by reputed publishers. The average of the impact factor of the journals in which the 30 articles have been published should be not less than 1.
- 2.7. For D.Litt. Degree in Indian Languages, the candidate should have published 30 research articles in the UGC listed journals and ten books relevant to his/her research area by reputed publishers. Further, the candidate should be the first author or corresponding author in these publications. The average of the impact factor of the journals in which the 30 articles have been published should be not less than 0.5.

- 2.8. The h-index of the candidate should be greater than 20 for D.Sc. and 10 for D.Litt. respectively.
- 2.9. The publications submitted by the candidate for consideration for the award of D.Litt./D.Sc. are substantially from the results of the research work done after his/her Ph.D. degree and shall not form part of the research work which has already been considered for the award of any degree/diploma of this University or any other University/institute.
- 2.10. There is no age limit either for registration or submission.
- 2.11. A candidate already holding D.Litt./D.Sc. degree in a particular faculty is eligible to register for D.Litt./D.Sc. in another faculty after five years, provided that he/she fulfills the conditions laid down from 2.1 to 2.9.

### **3.0. Application Form and Registration**

- 3.1. Candidates who are eligible for admission to D.Litt./D.Sc. Programme as per clause (2) above shall apply to the university in the prescribed application form that can be downloaded from the University website ([www.annamalaiuniversity.ac.in](http://www.annamalaiuniversity.ac.in)) and the duly filled in application shall be submitted to the Director, Directorate of Academic Research (DARE), along with an application fee of Rs.10,000.
- 3.2. The reprints of publications, proof for h-index, citations for the publications, impact factor (IF) of the journals in which the publications are/were made, copies of the books published (for D.Litt.), soft/hard copy of the Ph.D. thesis and the required certificates including Ph.D. degree certificate shall be submitted along with the application.
- 3.3. The candidate should submit four copies of detailed synopsis of about 2000-3000 words on the proposed theme of research explaining how his/her work is original and it contributes to the advancement of knowledge in the discipline.
- 3.4. No objection certificate from the employer is mandatory.
- 3.5. The registration shall be confirmed by a Research Committee constituted by the Vice-Chancellor consisting of the following members:
  - (i) Director, Directorate of Academic Research
  - (ii) Director, Directorate of Research & Development or a senior Professor in the relevant area

- (iii) Dean of the Faculty
- (iv) Chairman, Board of Studies in the concerned subject or a senior professor in the relevant subject
- (v) An eminent scholar in the area of specialization from other Universities/National Laboratories/IITs/IISc/IISER / MIDS/MSE/ICSSR

The Committee will evaluate the quality of publications and verify other data at the time of scrutiny.

- 3.6. The candidates whose applications are recommended by the Research Committee for registration will be intimated and the candidates can register for the D.Litt./D.Sc. Programme with completed application form for registration along with registration fee of Rs. One lakh / USD 2000 and other required documents in original and photocopy to the Director, DARE within one month from the date of intimation of admission. The period shall count from the month of registration.

#### **4.0. Submission of Thesis**

- 4.1. Thesis submission fee is Rs. 60,000 / USD 1000.
- 4.2. The candidate shall submit the thesis after one year from the date of registration and before completion of two years. A further period of six months extension can be obtained by paying the prescribed fee with application and a progress report. Under any circumstances, no extension of time for the submission of thesis will be given beyond two years and six months.
- 4.3. The D.Litt./D.Sc. thesis shall be on the basis of the post-doctoral research publications which shall be arranged sequentially and discussed by providing adequate linkages between chapters. While the common theme shall form the title, introduction shall provide an overview of the theme and rationale of the work. The salient findings and the impact shall form the conclusion.
- 4.4. Five copies of the thesis along with a pen drive or CD containing the thesis in MS word and in PDF format as prescribed for D.Litt./D.Sc. thesis with the prescribed fee shall be submitted.
- 4.5. An abstract of at least 1000 words of the thesis should be prepared and five copies of the same (with soft copy) shall be submitted along with the thesis.
- 4.6. A copy of Ph.D. thesis of the candidate should be submitted along with D.Litt./D.Sc. thesis.



- 4.7. The candidate must submit one volume containing (i) copies of the candidate's published research articles/ copies of the books which form part of the D.Litt./D.Sc. thesis, (ii) other research articles by the candidate independently or jointly published and a detailed citation index of his/her publications.
- 4.8. The candidate should give a declaration in the prescribed format (Annexure I) to the effect that the thesis is the original contribution of post-doctoral research to the advancement of knowledge in the field of his/her specialization.

#### **5.0. Declaration, Preface and Notes**

- 5.1. The candidate shall indicate generally in a preface to his/her thesis and specially in notes the sources from which the materials are taken and the extent to which he/she has availed himself/herself of the works of others. He/she shall also state in what respect his/her investigations contribute to the advancement of knowledge in the theme of his/her thesis.

#### **6.0. Adjudication of thesis**

- 6.1. The panel of examiners shall include names of Professors having D.Litt./D.Sc. qualification or Professors with more than 100 publications in refereed journals in case of D.Sc. or 75 publications in case of D.Litt. for adjudication of the thesis. The panel shall consist of six names from outside India and six from India, but outside Tamil Nadu. The panel of experts should be outstanding scholars (in service or superannuation) in the relevant area with a minimum experience of 10 years as a Professor.
- 6.2. The panel of experts for adjudication of D.Litt./D.Sc. thesis shall be obtained by the Vice-Chancellor from an expert in the specific area of research.
- 6.3. The Vice-Chancellor shall appoint three examiners from the panel of experts, two from abroad and one from India, who will also be the convener.
- 6.4. The report of the examiners shall be in the prescribed format as given in Annexure VI.

- 6.5. The candidate shall be awarded the degree, only if all the three examiners commend the work for the award. In case, even if one of the examiners does not recommend the award of the degree, the thesis will be sent to one more examiner in the respective panel. The thesis will be rejected, if two examiners do not recommend for the award of the degree.
- 6.6. After the receipt of the consolidated reports from the convener, the candidate shall be asked to appear for a viva-voce examination.
- 6.7. The date of viva-voce shall be finalized as per the convenience of the convener. During the viva-voce examination, the candidate shall clear the doubts and answer the questions raised by the examiners.

## **7.0. Award of Degree**

After the due process of adjudication of the thesis and Viva-Voce examination described above, the candidate shall be awarded D.Litt./D.Sc. degree under the concerned discipline/subject of the faculty with the approval of the Syndicate of the University.

### **7.1. Format and Specification for the preparation of Thesis**

1. Declaration by the candidate as per the format given in Annexure I.
2. Cover page as per the format given in Annexures II to V.
3. Contents.
4. The main theme of the thesis shall be presented in about 100 to 120 pages (in A4 size; Line spacing 2; Times New Roman; Font size 12 and both sides printed) extracting the work carried out and the findings made in the enclosed publications along with logical explanations as how far the work is original and contributes to the advancement of knowledge.
5. Thesis shall have copies of all the reprints from which the thesis has been derived.
6. Citations of publications from which the thesis has been derived.
7. h-index (copy of proof should be enclosed).
8. Copy of the service certificate.
9. Personal profile of the candidate with photograph, not exceeding five pages.

### **8.0. Fee Structure for D.Litt./D.Sc.**

<b>Sl. No.</b>	<b>Details</b>	<b>Fee Details in Rupees (Candidates within India)</b>		<b>Fee Details in US \$ (Candidates Outside India)</b>	
		<b>D.Sc.</b>	<b>D.Litt.</b>	<b>D.Sc.</b>	<b>D.Litt.</b>
1.	Cost of Application	10,000	10,000	200	200
2.	One time Registration Fees	1,00,000	1,00,000	2000	2000
3.	Submission Fees	60,000	60,000	1000	1000
4.	Extension Fees	50,000	50,000	1000	1000

## **CHAPTER III**

### **TRANSITORY PROVISIONS**

#### **9.0. AMENDMENTS TO THE ORDINANCE**

This ordinance is subject to modifications or amendments as and when situation warrants from time to time by the Syndicate, based on the recommendations of the Academic council.

#### **10.0. INTERPRETATION OF THE ORDINANCE**

If any dispute arises in the interpretation of the ordinance, the decision of the Syndicate shall be final.

**FORM OF DECLARATION**

I, Dr.....hereby declare that the D.Litt./D.Sc. thesis entitled “.....” submitted to the Annamalai University is a record of original and independent post-doctoral research work done by me and that the thesis has not previously formed the basis for the award of any degree such as Master’s degree or Ph.D. degree, Diploma, Associateship, Fellowship or other similar title to any candidate of any University.

Station:

Date :

Signature of the Candidate

**A typical Specimen of Cover page and Title Page**

<Font style Time New Roman>

**WORKING CONDITIONS OF LABOURS IN  
SPINNING MILLS IN TIRUNELVELI DISTRICT,  
TAMILNADU**

<Font Size 18><1.5 line spacing>

**Thesis submitted for the award of the Degree of Doctor of Letters**

<Font Size14>

*Submitted by* <Font Size 14><Italic>

**KARUPPUSWAMY M**<Font Size 16>



**DEPARTMENT OF ECONOMICS**

**FACULTY OF ARTS**

**ANNAMALAI UNIVERSITY**

**ANNAMALAINAGAR 608 002**

**TAMIL NADU, INDIA**

<Font Size 16><1.5 line spacing>

**APRIL 2020** <Font Size 14>

**WORKING CONDITIONS OF LABOURS IN  
SPINNING MILLS IN TIRUNELVELI DISTRICT,  
TAMILNADU**

**Thesis submitted for the award of the Degree of Doctor of Letters**

*Submitted by*

**KARUPPUSWAMY M**



**DEPARTMENT OF ECONOMICS**

**FACULTY OF ARTS**

**ANNAMALAI UNIVERSITY**

**ANNAMALAINAGAR 608 002**

**TAMIL NADU, INDIA**

**APRIL 2020**

**A typical Specimen of Cover page and Title Page**

<Font style Time New Roman>

**STATUS CONNECTIVITY AND ZAGREB RELATED  
INDICES OF SOME DERIVED GRAPHS**

<Font Size 18><1.5 line spacing>

**Thesis submitted for the award of the Degree of Doctor of Science**

<Font Size14>

*Submitted by* <Font Size 14><Italic>

**SANTHAKUMAR A** <Font Size 16>



**DEPARTMENT OF MATHEMATICS**

**FACULTY OF SCIENCE**

**ANNAMALAI UNIVERSITY**

**ANNAMALAINAGAR 608 002**

**TAMIL NADU, INDIA**

<Font Size 16><1.5 line spacing>

**APRIL 2020** <Font Size 14>

**STATUS CONNECTIVITY AND ZAGREB RELATED  
INDICES OF SOME DERIVED GRAPHS**

**Thesis submitted for the award of the Degree of Doctor of Science**

*Submitted by*

**SANTHAKUMAR A**



**DEPARTMENT OF MATHEMATICS**

**FACULTY OF SCIENCE**

**ANNAMALAI UNIVERSITY**

**ANNAMALAINAGAR 608 002**

**TAMIL NADU, INDIA**

**APRIL 2020**



**PROFORMA FOR ADJUDICATION OF D.Litt./D.Sc. THESIS**

1. Name of the Candidate :
2. Title of the Thesis :
3. Faculty :
4. Name and Full Postal Address of the Examiner: :
5. Official E-mail id :
6. Recommendation of the Examiner : Commended /  
Not Commended  
(Please strike out which ever is not applicable)

**Note: In addition, a detailed report on the novelty and contribution to the advancement of knowledge in the field shall be enclosed. Also, enclose a list of clarifications/ questions, if any, to be asked during the Viva-voce Examination.**

Place:

Date:

Signature of the Examiner  
with Designation and Seal