

Rathinamangalam, Melakkottaiyur Post, Chennai - 600127. Phone: 044-30101111, Fax: 044-222 5555, Email: tagoremch@gmail.com CCREDITED CORP.

(Affiliated to the Tamil Nadu Dr.MGR Medical University & Recognized by the Ministry of Health & Family welfare. Govt. of India New Delhi)

	4) The first DC meeting should be convened within one month from the date of this communication (on or before 17-09-13) fallers and the convened within one month from the date of this	
	communication (on or before 17 00 48) to	
	stands cancelled stands cancelled which this provisional admission offer	
	5) The subsequent DC meetings should be convened by	
	every semester with approval from the office of the undersigned atleast 15 days in advance.	
	The following formats are enclosed for your reference.	
	Nomination of DC members by the Supervisor.	
	ii) Guidelines for conducting DC meeting.	
	iii) DC meeting approval form.	
	iv) Minutes of the DC meeting.	
	v) Semester wise Progress report form.	
	7) You are requested to meet your supervisor as per the requirements of your research	
	progress and also meet Dr. W. M. S. Johnson, Professor, Department of Anatomy,	
	Sri Balaji Medical College & Hospital, Chrompet, Chennai - 44, not less than once a	
	month for constant updates, which shall be recorded in the research dairy.	
	You are advised to personally ensure that your file is complete in all respects with all the information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for the Ph.D Programme" available on <a href="https://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a> for other details.	
	information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for	
Сору	information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for the Ph.D Programme" available on <a href="https://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a> for other details.  Dean (Academics)	
1.	Information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for the Ph.D Programme" available on <a href="https://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a> for other details.  Dean (Academics)  y to  Dr.S.Manikandan, Associate Professor, Tagore Medical College, Chennai	
1, 2.	Information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for the Ph.D Programme" available on <a href="https://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a> for other details.  Dean (Academics)  y to  Dr.S.Manikandan, Associate Professor, Tagore Medical College, Chennai.  Office of the Hon'ble Vice-Chancellor, Bharath University, for information.	
1, 2. 3.	Information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for the Ph.D Programme" available on <a href="https://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a> for other details.  Dean (Academics)  y to  Dr.S.Manikandan, Associate Professor, Tagore Medical College, Chennai.  Office of the Hon'ble Vice-Chancellor, Bharath University, for information.  COE	
1, 2.	Information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for the Ph.D Programme" available on <a href="https://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a> for other details.  Dean (Academics)  y to  Dr.S.Manikandan, Associate Professor, Tagore Medical College, Chennai.  Office of the Hon'ble Vice-Chancellor, Bharath University, for information.	
1. 2. 3. 4.	Information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for the Ph.D Programme" available on <a href="https://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a> for other details.  Dean (Academics)  y to  Dr.S.Manikandan, Associate Professor, Tagore Medical College, Chennai.  Office of the Hon'ble Vice-Chancellor, Bharath University, for information.  COE	
1. 2. 3. 4.	Information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for the Ph.D Programme" available on <a href="https://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a> for other details.  Dean (Academics)  y to  Dr.S.Manikandan, Associate Professor , Tagore Medical College, Chennai .  Office of the Hon'ble Vice-Chancellor, Bharath University, for information.  COE.  Certificate Section.	
1. 2. 3. 4.	Information expected from you from time to time. You may contact your supervisor for further details connected with your research work. You may also refer to the booklet on "Regulations for the Ph.D Programme" available on <a href="https://www.bharathuniv.ac.in">www.bharathuniv.ac.in</a> for other details.  Dean (Academics)  y to  Dr.S.Manikandan, Associate Professor , Tagore Medical College, Chennai .  Office of the Hon'ble Vice-Chancellor, Bharath University, for information.  COE.  Certificate Section.	



Rathinamangalam, Melakkottaiyur Post, Chennai - 600127. Phone: 044-30101111, Fax: 044-222 5555, Email: tagoremch@gmail.com



(Affiliated to the Tamil Nadu Dr.MGR Medical University & Recognized by the Ministry of Health & Family welfare. Govt. of India New Delhi)

# NEUROPROTECTIVE ROLE OF NELUMBO NUCIFERA GAERTN ON NOISE STRESS INDUCED ALTERATIONS IN RAT BRAIN

A Thesis

Submitted by

P. N. RUVANTHIKA

[ Reg. No. D13MS517]

In partial fulfilment for the award of the degree

Of

#### DOCTOR OF PHILOSOPHY

Under the Supervision of

Dr. S. MANIKANDAN



DEPARTMENT OF PHYSIOLOGY FACULTY OF MEDICINE

BHARATH INSTITUTE OF HIGHER EDUCATION AND

RESEARCH

CHENNAI -600 073

SEPTEMBER 2020

DEAN

TAGORE MEDICAL COLLEGE & HOSPITAL RATHINAMANGALAM, MELAKOTTAIYUR POST, Chennai-600 127.

Scarinea with Carr



Rathinamangalam, Melakkottaiyur Post, Chennai - 600127. Phone: 044-30101111, Fax: 044-222 5555, Email: tagoremch@gmail.com



(Affiliated to the Tamil Nadu Dr.MGR Medical University & Recognized by the Ministry of Health & Family welfare. Govt. of India New Delhi)



# Bharath University

பாரத் பல்கலைக்கழகம் (Declared under Section 3 of UGC Act, 1956)

Phone 044-22290742 / 22290125 Telefax 044-22293886

Website: www.bharathuniv.com

173, Agaram Road, Selaiyur, Chennai - 600 073

Dr. R. Venkatesh Babu, ME.Ph.D.

Dean Academics

E-Mail: directorap@bharathuniv.ac.in

Date: 17.08.2013

To

Ms. Ruvanthika P N 33/15, Srinivasan Street, Perambur,

Chennai-11

Ref: BU / Ph.D/ July'13

Sub: Provisional admission to Part time Ph.D Programme - reg.

This is to inform you that you are "provisionally selected" for admission to Ph.D. programme of this University under the department of Physiology as a Part time candidate. Your Register No. will be D13MS517.

Dr.S.Manikandan, Associate Professor Tagore Medical College, Chennal, will be your Supervisor.

Your registration, will however take effect from the date on which the first Doctoral Committee (D.C) meeting takes place, after you fulfil all the initial requirements specified below, including payment of fees.

- One copy each of your PG, UG degree certificates and other relevant certificates along with 2 Stamp size photograph should be submitted to the undersigned for record within 2 weeks from the date of this communication.
- 2) The first semester fees should be paid within 2 weeks from the date of this communication (on or before 31-08-13) and for every subsequent semesters due to commence on 1<sup>st</sup> July / 1<sup>st</sup> January within the same grace period and submit a copy of the fee receipts for your file.
- 3) You are requested to submit a list of 3 expert members in the relevant field of research through your supervisor in the enclosed format to enable us to form the DC for your research work.

DEAN

TAGORE MEDICAL COLLEGE & HOSPITAL RATHINAMANGALAM, MELAKOTTAIYUR POST, Chennai-600 127.



Rathinamangalam, Melakkottaiyur Post, Chennai - 600127.

Phone: 044-30101111, Fax: 044-222 5555, Email: tagoremch@gmail.com



(Affiliated to the Tamil Nadu Dr.MGR Medical University & Recognized by the Ministry of Health & Family welfare. Govt. of India New Delhi)



#### Bharath Institute of Higher Education and Research

(Declared as Deemed to be University U/s of UGC Act, 1956)

#### Certificate

This is to certify that the corrections as recommended by the Foreign and Indian Examiners for the Thesis entitled"Neuroprotective Role of Nelumbo nucifera on Noise Stress Induced Alterations in Rat Brain" submitted by the Candidate Mrs.P.N.Ruvanthika, Reg. No.D13MS517(Part Time- External) in the Department of Physiology, Faculty of Medicinehave been made as per the list enclosed.

Dr.S. MANIKANDAN, ESMS, M.Sc., Ph.D. Professor of Physiology Tagore Madical College & Hospital Rathinamangalam, Chennal - 600 127.

Encl:

List of Correction made S.No Corrected as Page Number No Corrections

DEAN TAGORE MEDICAL COLLEGE & HOSPITAL RATHINAMANGALAM, MELAKOTTAIYUR POST, Chennai-600 127.

inka with Cambican