



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



Sl. No. : **10781**

Reg. No. : **15RHMA1003**

The Board of Management of
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of
Science and Technology (Deemed to be University)

hereby makes known that

N. NAGADEVI BALA

D/O N USHADEVI

has been admitted to the Degree of
Doctor of Philosophy

in

MATHEMATICS

having been certified by duly appointed examiners to be
qualified to receive the same in the year **MAR-2021**

in accordance with the provisions of

UGC Regulations 2009 (for the award of Ph.D. Degree)

Title of the Thesis:

**A NOVEL STUDY ON MATHEMATICAL MODELS OF PLASMODIUM LIFE CYCLE IN
HUMAN HEPATOCYTE AND MOSQUITO MIDGUT**

Given under the seal of this Deemed to be University

Dated : 06-NOV-2021

Registrar



S. Sahith
Vice Chancellor



B. S. Srinivas
Chancellor



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Autonomous for UG, PG and Ph.D. Studies)

20/4/2021

**PROCEEDINGS
EXAMINATION OF**

**10:30 A.M. / P.M. ON 31-03-21 THROUGH ONLINE MODE AT VEL TECH
RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND
TECHNOLOGY, AVADI, CHENNAI-600 062.**

OF THE Ph.D. ORAL

Mrs. N. NAGADEVI BALA HELD AT

The Ph.D. Oral Examination of Mrs. N. Nagadevi Bala (Reg. No. 15RHMA1003), on the thesis "A Novel Study on Mathematical Models of Plasmodium Life Cycle in Human Hepatocyte and Mosquito Midgut" has been conducted on 31-03-21 at 10:30 A.M. through online mode using Zoom tool

Members Present

1. Dr. Soner Nandappa, Indian Examiner *[Signature]*
2. Dr. Anita Pal, Subject Expert *Anita Pal*
3. Dr. R. Suresh, Supervisor & Convener *[Signature]*

The research scholar Mrs. N. Nagadevi Bala has presented the salient features of her research work. The members of the Board and audiences have posed the questions related to the subject. The questions raised by the Foreign and Indian Examiners have also been put to the scholar. The scholar has answered all the questions from the Board Members and the audiences. The scholar's performance in the Ph.D. Oral Examination is very good.

Based on the scholar's research work, oral presentation, clarifications and answers to the questions from the Examiners and audiences, the Board unanimously recommends to accept the Ph.D. Thesis for the award of Degree of Doctor of Philosophy in Mathematics in the School of Sciences and Humanities, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to Mrs. N. Nagadevi Bala.

1. Dr. Soner Nandappa, Indian Examiner *[Signature]*
2. Dr. Anita Pal, Subject Expert *Anita Pal*
3. Dr. R. Suresh, Supervisor & Convener *[Signature]*

Dr. Anita Pal
Associate Professor
Department of Mathematics
NIT, DURGAPUR





Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
Approved by the University Council, No. 5 of U.G.P., 2014

**REPORT OF THE BOARD OF EXAMINERS
FOR THE PH.D. PUBLIC ORAL EXAMINATION OF NAGADEVI BALA (REG. NO.
15RHMA1003), PART-TIME RESEARCH SCHOLAR, DEPARTMENT OF MATHEMATICS,**

**VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF
SCIENCE AND TECHNOLOGY, AVADI, CHENNAI - 600062.**

The Public Viva-Voce examination of Mrs. N. Nagadevi Bala (Reg. No. 15RHMA1003), on her Ph.D. thesis entitled "A Novel Study on Mathematical Models of Plasmodium Life Cycle in Human Hepatocyte and Mosquito Midgut" submitted for the award of Ph.D. degree in the Department of Mathematics of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has been conducted as per the following schedule:

Date: 31/03/2021, Wednesday at 10:30 am.
Mode: Online Video Conference - Zoom.
Meeting Link: Meeting ID : 989 2040 4761, Password : Maths
<https://zoom.us/j/98920404761?pwd=V01zREUuREtldUlnNkF2OzVodXpnZj09>

Indian Examiner : **Dr. Soner Nandappa**
Professor
Department of Mathematics
University of Mysore, Mysore
E-Mail: soner@maths.uni-mysore.ac.in
Phone: 8212419821, 9945779695

Subject Expert : **Dr. Anita Pal**
Associate Professor,
Department of Mathematics,
National Institute of Technology,
West Bengal, Durgapur - 713 209
Email : anita.buic@gmail.com
Phone: 9434788069

**Supervisor and
Convener** : **Dr. R. Suresh** (Professor, Vel Tech)
Department of Mathematics., Vel Tech



Based on the candidate's exposition of her thesis and her answers to the questions raised by the examiners and other participants, the Board of Examiners have resolved to recommend that the performance of the candidate in her Ph.D. Oral Examination is very good and declare to have passed her Ph. D. Oral Examination and further recommend the award of Ph. D. degree in Mathematics of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to the candidate.

(Dr. Anita Pal)
Subject Expert

(Dr. Soner Nandappa)
Indian Examiner

(Dr. R. Suresh)
Supervisor

Dr. Anita Pal
Associate Professor
Department of Mathematics
NIT, DURGAPUR

