



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology

(Deemed to be University) Established by U.G.C. Act, 1956



Sl. No. : 7399

Reg. No. : 15RHCH1002

The Board of Management of
Veltech Rangarajan Dr. Sagunthala R & D Institute of
Science and Technology (Deemed to be University)
hereby makes known that

VIJAYAKUMAR V

S/O V. AMARAVATHI

has been admitted to the Degree of
Doctor of Philosophy

in

CHEMISTRY

having been certified by duly appointed examiners to be
qualified to receive the same in the year **MAY-2019**

in accordance with the provisions of

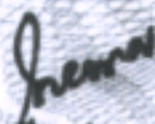
UGC Regulations 2009 (for the award of Ph.D. Degree)

Title of the Thesis:

**SYNTHESIS, CHARACTERIZATION AND EVALUATION OF
POLYBENZIMIDAZOLE (PBI) BASED POLYMERS AND
DIAMIDE BASED EXTRACTANTS FOR NUCLEAR
MATERIALS PROCESSING**

Given under the seal of this Deemed to be University

Dated : 13.08.2019


Registrar


Vice Chancellor


President





Vel Tech

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

PROCEEDINGS OF THE Ph.D. ORAL EXAMINATION OF Mr./Ms. V. VITAYAKUMAR HELD AT 11.00 A.M./P.M. ON 25/05/2019 IN THE VIDEO CONFERENCE HALL, VEL TECH RANGARAJAN Dr. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, AVADI, CHENNAI-600 062.

The Ph.D. Oral Examination of Mr./Ms. V. VITAYAKUMAR (Reg.No. 15RHCH1002) on the thesis SYNTHESIS, CHARACTERIZATION AND EVALUATION OF POLYBENZIMIDAZOLE (PBI) BASED POLYMERS AND DIAMIDE BASED EXTRACTANTS FOR NUCLEAR MATERIALS PROCESSING has been conducted on 25/05/2019 at 11.00 A.M./P.M. in the VIDEO CONFERENCE HALL Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai-600 0062.

Members Present

- | | |
|------------------------|-----------------------|
| 1. Dr. S. Vengatesan | Thesis Examiner |
| 2. Dr. K. Prakashan | Expert Member |
| 3. Dr. C. Ramani Kumar | Supervisor & Convener |

The research scholar Mr./Ms. V. VITAYAKUMAR has presented the salient features of his/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 Excellent.

Based on the scholar's research work, oral presentation and, 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 CHEMISTRY in the School of SCIENCE AND HUMANITIES, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to Mr./Ms. V. VITAYAKUMAR.

1. Singam 25/5/19.
2. K. Prakashan
3. Dr. C. Ramani Kumar

Thesis Examiner
Expert Member
Supervisor & Convener

Prof. V. S. S. Kumar
Vice Chancellor

Vel Tech
Rangarajan Dr. Sagunthala

**REPORT OF THE BOARD OF EXAMINERS FOR THE PUBLIC ORAL EXAMINATION
IN THE CASE OF Mr. V. VIJAYAKUMAR, (Reg. No. 15RHCH1002), PART-TIME
RESEARCH SCHOLAR, DEPARTMENT OF CHEMISTRY, VEL TECH RANGARAJAN
Dr. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, AVADI,
CHENNAI- 600062.**

The Public Viva-Voce examination of Mr. V. Vijayakumar, (Reg. No. 15RHCH1002), on his thesis entitled "*Synthesis, Characterization and Evaluation of Polybenzimidazole (PBI) based Polymers and Diamide based Extractants for Nuclear Materials Processing*" submitted for the award of Ph.D degree in Chemistry of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has been conducted as per the following schedule:

Date: 25/05/2019, Saturday at 11.00 a.m.

Venue: Video Conference Hall, Vel Tech

External Examiners:

Dr. S. Vengatesan,
Scientist,
Electro-Inorganic Chemicals Division,
Central Electrochemical Research Institute,
Karaikudi-630003.
Tamil Nadu, India.
Mobile: +919791889739
Phone: 04565-241 270;extn. 295
Email: svengatesan@cecri.res.in

Dr. K. Prakalathan ,
Professor,
Polymer Technology Department,
Central Institute of Plastic Engineering Technology,
Guindy,
Chennai 600 032.

Supervisor and Convener: Dr. C. Ramesh Kumar, (Assoc. Professor, Vel Tech)

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

Suganthan 25/5/19
External Examiner

K. Prakalathan
Expert Member

C. Ramesh Kumar 25/5/19
Supervisor

Prof. V. S. S. Kumar
Vice Chancellor

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Rangarajan Dr. Sagunthala
Institute of Science and Technology
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