



### Indian Institute of Technology, Madras

hereby confers the degree of Doctor of Philosophy of the Institute

#### SAJI VARGHESE

for successfully completing the prescribed programme of study and presenting the thesis entitled

A MULTI SENSOR APPROACH TO SURFACE ROUGHNESS ASSESSMENT



Given this day the Twentyeighth of July, 1995 under the seal of the Institute.

V. Sow. Medden Chairman Board of Governors



# National Institute of Technology

TIRUCHIRAPPALLI - 620 015 INDIA

hereby confers the degree of

Doctor of Philosophy

of the Institute

on

M S SENTHIL SARAVANAN

for successfully completing the prescribed programme of study and presenting the thesis entitled

PROCESSING AND PROPERTIES EVALUATION OF CARBON NANOTUBES
REINFORCED ALUMINUM ALLOYS



Given this day the Eleventh of August, 2012 Under the Seal of the Institute.

Cify — Registrar Fardija Director

Chairman, Board of Governors

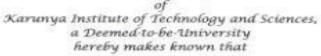


Reg. No.: RR14ME002 Mode of Study: Regular

Aadhaar No.: 7209 1898 5627



The Board of Management



#### TRIJO THARAYIL

has been admitted to the Degree of

Doctor of Philosophy in Mechanical Engineering

#### under the Faculty of Engineering

having been certified by duly appointed examiners to be qualified to receive the same in February 2018

Title of the Thesis:

Studies on the nanoparticle coated miniature loop heat pipe with graphene-water nanoffuid



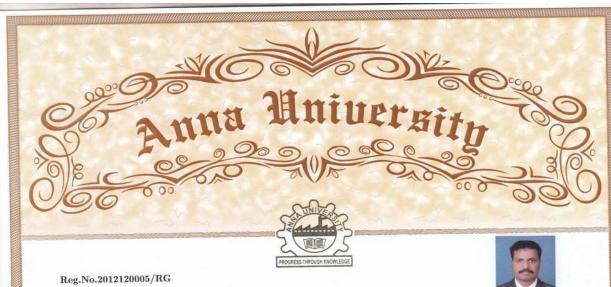
Given under the seal of the Deemed-to-be-University

Dated: 30' June 2018

CHANCELLOR

VICE CHANCELLOR

REGISTRAR

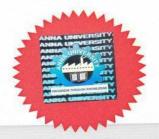


The Syndicate of the Anna University hereby makes known that SAJIN J B has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2017. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

EXPERIMENTAL INVESTIGATIONS ON THE PERFORMANCE OF PLANT BASED NATURAL FIBERS REINFORCED COMPOSITES

Given under the seal of the University

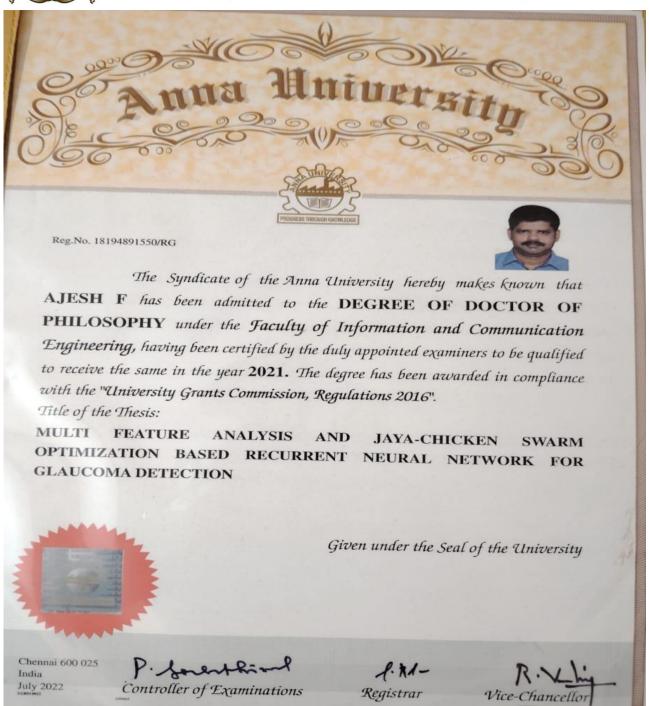


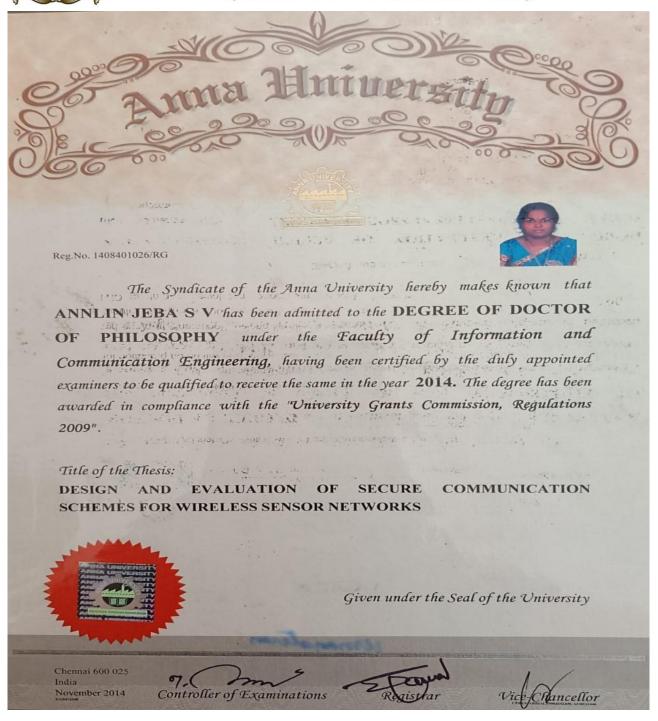
Chennai 600025

June 2018

Controller of Examinations









### **ungguni undamnd dyab** Pharathiar University

#### பொறியியல் புலம் FACULTY OF ENGINEERING

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தோவாளர் குமு. தரேஷ் பாபு சு, 1997ஆம் ஆண்டு, தலை 28ஆம் நாளில் பின் மற்றும் மின்னணுப் பொறியியல் என்னும் பிரிலில் ஆய்வியல் அறிஞர் என்றும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை. ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலச்சினையுடன், பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழக்குகேல்றது.

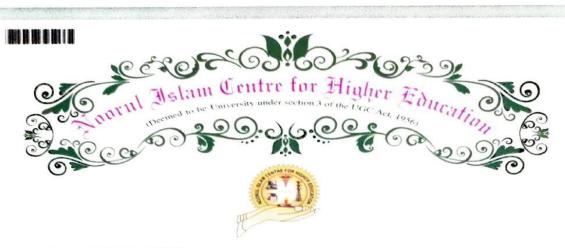
The Syndicate of the Bhanthiar University hereby makes known that SURESH BABUS has been admitted to the Degree of DOCTOR OF PHILOSOPHY in ELECTRICAL & ELECTRONICS ENGINEERING, having been certified by duly appointed Examiners to be qualified to receive the same on 28th JULY 1997.

Given under the Seal of the University.



L@euterit

Mary Casigni Vice-Chancellor



Reg. No.: 0112908201

The Board of Management of the Noorul Islam Centre for Higher Education hereby makes known that ANJU J PRAKASH has been admitted to the Degree of Doctor of Philosophy in COMPUTER SCIENCE AND ENGINEERING under the Faculty of Information and Computer Engineering, having completed the prescribed programme of study and having been certified by the duly appointed examiners to be qualified to receive the same on 03-03-2022 (the date of viva-voce Examination).

Title of the Thesis: AN ENHANCED IMAGE DEHAZING SCHEME FOR SCENE CLASSIFICATION





Given under the seal of the University

NICHE NICHE

Dated: 20 NOV 2022

Kumaracoil-629 180 Kanyakumari Dist., Tamil Nadu,

Controller of Examinations

Y. XVS Registrar

Vice-Chancellor

**Criterion 2** 



The Syndicate of the Anna University hereby makes known that JEGATHEESAN A has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2015. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

SECURE TRANSMISSION IN MOBILE AD HOC NETWORK USING ENHANCED KEY DISTRIBUTION PROTOCOL

Given under the Seal of the University



Register No: 8999



### FACULTY OF ENGINEERING AND TECHNOLOGY

The Senate of the University of Kerala hereby makes known that **Gouri Antherjanam** has been admitted to the Degree of Doctor of Philosophy, she having been certified by duly appointed examiners to be qualified to receive the same.

Subject Civil Engineering.

Title of the Thesis Comparison of Statistical Methods and Soft Computing Techniques in Estimation of Landslide Susceptibility of Regions in Western Ghats.

Date of Syndicate Decision: 20/06/2016

Given under the seal of the University

University Buildings

Thiruvananthapuram December 02, 2016

A A REPORTED TO

Vice Chancellor

0455663



The Syndicate of the Anna University hereby makes known that SIVASANKAR S has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Civil Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2014. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

A STUDY ON STRENGTHENING OF HSS TUBULAR MEMBERS UNDER COMPRESSION USING FRP COMPOSITES



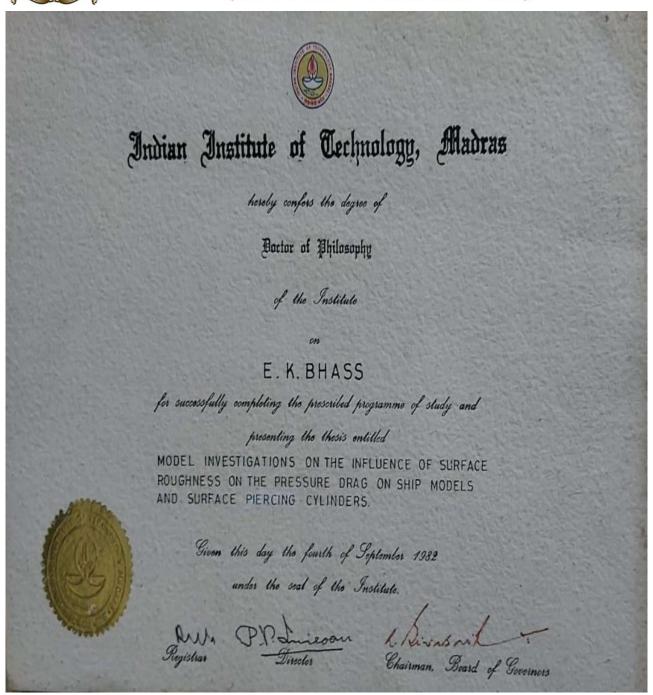
Given under the Seal of the University

Chennai 600 025

November 2014

Controller of Examinations

Vice-Chancellor



Copy for NAAC - SBCE

### HDESATHERH ODOUM

KAHAR OTOFF

Doctorate No: RON. KOHAKU 4036

This is to certify that

Gopakumar Raghavan PILLAI(born on May 30, 1965)

was conferred the degree of

Doctor of Philosophy (Engineering)

on March 23, 2010

after successfully passing the examination

of the Doctorate Dissertation

at Kyoto University, Kyoto, Japan.

Kyoto, Japan March 23, 2010



Seal of Kyoto University

H. Malsumoto
Hiroshi Matsumoto

President

**Kyoto University** 



# Mahidol University

Confers

The Degree of Doctor of Philosophy (Medical Biochemistry and Molecular Biology)

Shilpa Lekshmi leela

Who has passed the required examination
With all the Honours, Rights and Privileges thereto pertaining given this on
April 29, 2016

Kasem Watemachal Chairman of the University Council

Pritaly

President

Dean Faculty of Medicine Siriraj Hospital Dean Faculty of Graduate Studies

Criterion 2

Register No: 8296



ഭേഴയമ് ചന്യവഴപ്പാശാല പുച <sup>ഷഷ്യ</sup> മം.

#### FACULTY OF APPLIED SCIENCES AND TECHNOLOGY

The Senate of the University of Kerala hereby makes known that Manoj Narayanan has been admitted to the Degree of Doctor of Philosophy, he having been certified by duly appointed examiners to be qualified to receive the same.

Subject Biotechnology

Title of the Thesis Concentration, detection and molecular characterization of Human Immunodeficiency Virus, Hepatitis B Virus and Hepatitis C Virus from water and waste water

Date of Syndicate Decision: 27/07/2013

Given under the seal of the University

Iniversity Buildings

Taruvananthapuram February 20, 2014





**Criterion 2** 



<sup>8</sup>469 <sub>ജയർ</sub> ന്<sup>ളി</sup> കേരള സർവകലാശാല

#### FACULTY OF APPLIED SCIENCES AND TECHNOLOGY

The Senate of the University of Kerala hereby makes known that **Malu Ravi** has been admitted to the Degree of Doctor of Philosophy, she having been certified by duly appointed examiners to be qualified to receive the same.

Subject Biotechnology

Title of the Thesis Induced Genomic Instability Impact on Insect Rec Genes and Retinoblastoma Proteins

Date of Syndicate Decision: 16/05/2014

Given under the seal of the University

University Buildings

Thiruvananthapuram November 20, 2014

A STATE OF SERVICE OF

Q. 13

Vice Chancellor

0351807

Registration No.

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National Institute of Technology Karnataka, Surathkal

Doctor of Philosophy



011

Jaya Mary Jacob

in recognition of the research work on BIOSYNTHESIS OF LEAD SELENIDE (PbSe) SEMICONDUCTOR QUANTUM PARTICLES IN MARINE FUNGUS"

carried out in the Department of Chemical Engineering

and completed all the requirements

in June 2016 /

Given under the seal of the Institute, on 12<sup>th</sup> November 2016

VLaure

Registrar

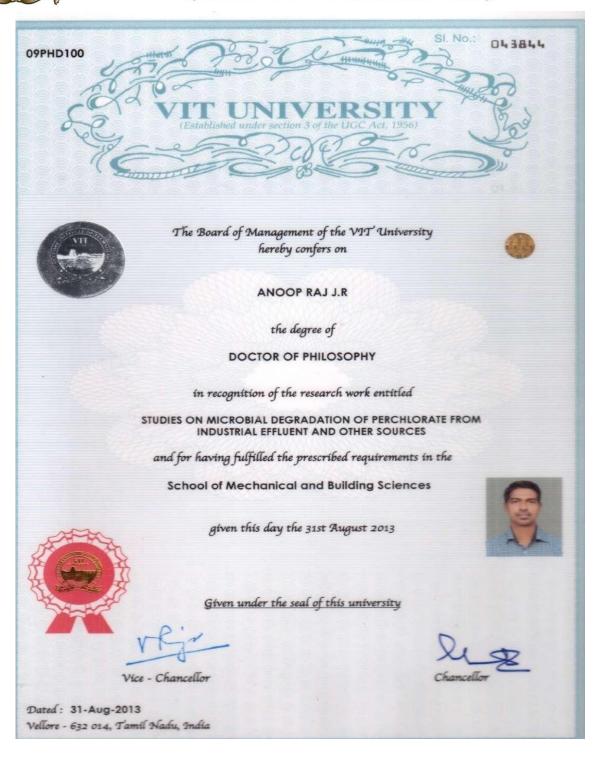
Director

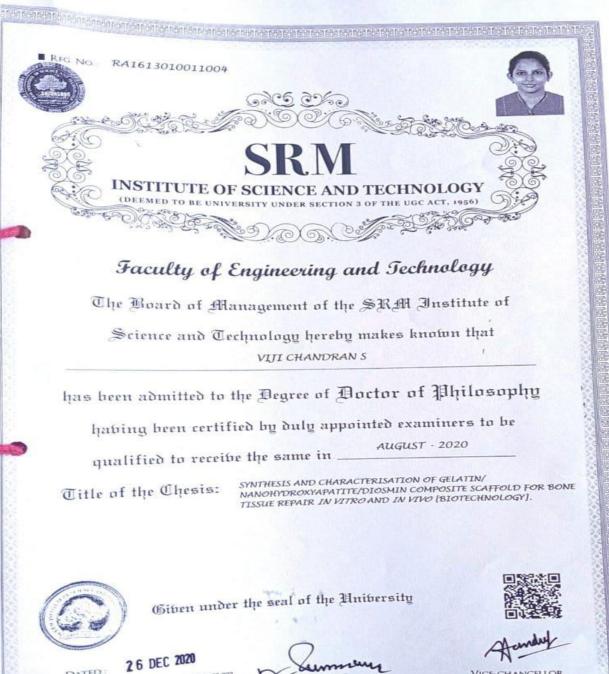
Chairperson, Board of Governors

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राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट

### National Institute of Technology Calicut

upon the recommendation of the Senate, hereby confers on

### VIDHYESWARI.D

the degree of

### **Doctor of Philosophy**

in the year 2022

Based on the thesis entitled:

DEVELOPMENT OF SUSTAINABLE SPEEK AND CERAMIC BASED
PROTON EXCHANGE MEMBRANE AND ITS PERFORMANCE STUDY IN
MICROBIAL FUEL CELL SYSTEM USING DAIRY AND
PHARMACEUTICAL WASTEWATER

Given at the National Institute of Technology Calicut on September 03, 2022



Registrar

Director & Chairman Senate

Chairperson Board of Govern

Date of Viva-voce Examination: 06-05-2022

NIT Campus PO., Kozhikode - 673 601, Kerala, INDIA





Faculty of Engineering and Technology The Board of Management hereby makes known that

Vinod V P



Reg. No. 161403057

has been conferred the Degree of

#### Doctor of Philosophy (Ph.D.) in Electrical and Electronics Engineering

he/she having been certified by duly appointed examiners to be qualified to receive the same in February 2022. The degree has been awarded in compliance with the "University Grants Commission, Regulation 2009".

Title of the Thesis

Investigation on Power Quality Issues and Implementation of Metaheuristic Algorithms for Enhanced Performance of PII-SOFC Microgrid Systems

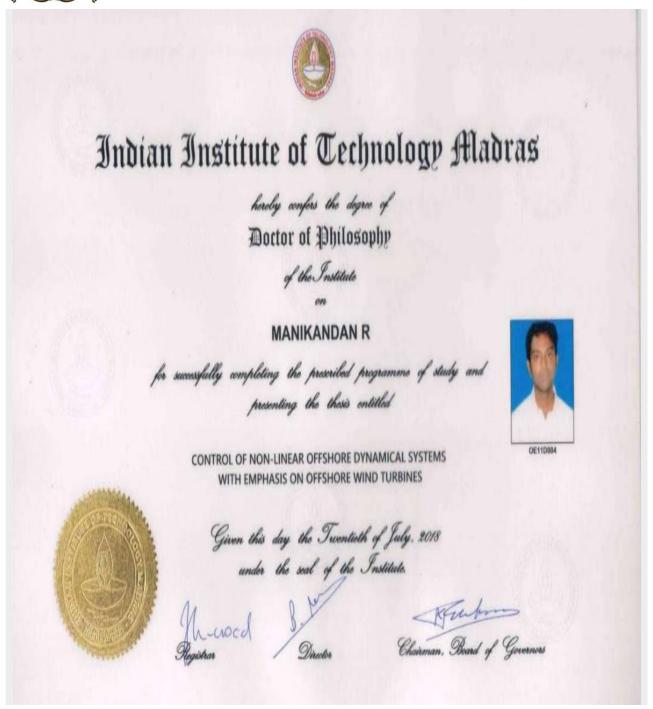
Given under the Seal of this University

Dr. D. Dhanasekaran Registrar Onha S Dr. S.Chitra

Nice - Chancellor

Chennai, India Dated : 18-03-2022





Reg. No.: 7783



SI.No. AB201

அறிவியற் புலம்

#### **FACULTY OF SCIENCE**



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு

ராஜேந்திரன் பி எஸ்

கணிதவியல் பாடப்பிரிவில்

அழிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்வினோர் சான்றளித்தவாறு நவம்பர் 2017 ஆம் ஆண்டில் இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the MANONMANIAM SUNDARANAR UNIVERSITY
hereby makes known that

RAJENDRAN P.S

has been admitted to the Degree of Doctor of Philosophy in MATHEMATICS

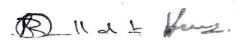
he/she having been certified by duly appointed Examiners to be qualified to receive the same in the year

Given under the seal of the University.









கிருகெல்வேலி இந்தியா