

## **Criterion III – Research, Innovations and Extension**

### **3.4 Research Publications and Awards**

#### ***3.4.2 -Number of Ph.D's registered per teacher***

3.4.2 : List of PhD scholars

S.No	No Name of the Guide	Name of the scholar	Name of the Research Centre	Month and Year of registration of the scholar	PhD Scholar's Title of the Thesis	Page No
1	Dr. R. Suresh Babu	Mr.S.Wesley Moses Samdoss	Department of Electronics & Communication Engineering	1/22/2021	Development of Machine Learning algorithms for smart health applications	6
2	Dr. R. Suresh Babu	Mrs. Revathy C	Department of Electronics & Communication Engineering	7/7/2021	Investigations on Speech Emotion Recognition using Optimized Artificial Intelligence Techniques	7
3	Dr. R. Suresh Babu	Mrs.K.Muthu Lakshmi	Department of Electronics & Communication Engineering	1/21/2021	An Experimentalstudy on various video summarization techniques for improving the technical content in videos.	8
4	Dr. R. Suresh Babu	Mrs.P.Ramalakshmi	Department of Electronics & Communication Engineering	12/21/2019	5G Implementation of Rf Circuits	9
5	Dr. R. Suresh Babu	Mr.S.Alwyn Rajiv	Department of Electronics & Communication Engineering	12/22/2019	Enhance The Performance Of High Secure Cryptosystem In Iot Devices	10
6	Dr. R. Suresh Babu	Muthukrishna Vinayagam B	Department of Electronics & Communication Engineering	7/6/2019	Using Image Processing Crack Defect Identification	11
7	Dr. R. Suresh Babu	Mr. R. Muthukumaran	Department of Electronics & Communication Engineering	1/1/2018	Security in Cloud Computing	12
8	Dr. R. Suresh Babu	Mrs.M.Stella Mercy	Department of Electronics & Communication Engineering	1/1/2016	Flexible Inter-Operator Spectrum Sharing for 5G Wireless Communication Systems	13
9	Dr.S.Jeyadevi	L.V.Revathi	Department of Electrical & Electronics Engineering	1/21/2023	Fault Diagnosis and Prediction of gas turbines using machine learning	14
10	Dr.S.Jeyadevi	J.Ganesan	Department of Electrical & Electronics Engineering	7/14/2023	Applications of Various Nano Fillers for the Insulating Medium used in the Electrical Equipments	15
11	Dr.S.Jeyadevi	J. Uma Maheswari	Department of Electrical & Electronics Engineering	1/14/2023	Implementation of digital controller for renewable energy sources	16
12	Dr.S.Jeyadevi	R. Anitha	Department of Electrical & Electronics Engineering	7/13/2023	Power Quality Improvement in Renewable Energy Sources	17
13	Dr.R.Baskaran	M. Kenet Nancy Mary	Department of Polymer Technology	5/9/2019	Evaluation of Mechanical and Thermal properties of unsaturated polyester composites	18
14	Dr.R.Baskaran	A.R. Siva Kumar	Department of Polymer Technology	30/06/2016	Effect of different types of carbon black on NBR and SBR	19

15	Dr.R.Shyamkumar	Mr.Rajadurai Jesudoos R.P	Department of Bio Technology	04/08/2022	Extraction of polysaccharides from red algae and development of edible biofilms and its application in food processing	20
16	Dr.R.Shyamkumar	Ms. Lakshmi Praba. S	Department of Bio Technology	18/08/2022	Biodiesel production from non-edible seed oil using heterogenous catalyst	21
17	Dr.R.Shyamkumar	Mr. D. Mathew Lurth Raj	Department of Bio Technology	3/1/2019	Isolation, Characterization of Actinomycetes and its metabolites from Coastal lichens of Kanyakumari	22
18	Dr.R.Shyamkumar	Er. R. Amutha Lakshmi	Department of Bio Technology	3/1/2019	Extraction, Characterization and application of Cyanobacterial species of Cyanolichens.	23
19	Dr.K.Geetha	Ms.K.Shalini	Department of Bio Technology	09/06/2022	Process development for microbial remediation of heavy metals from industry effluent	24
20	Dr.K.Geetha	Ms.R.Subashini	Department of Bio Technology	09/06/2022	Bioprocess development of microbial degradation of azo dyes from dye industry effluent	25
21	Dr.K.Geetha	Ms. A. Ganga	Department of Bio Technology	11/1/2019	Biosynthetic nanoparticle production, characterization and its pharmaceutical implications in the treatment of chronic rhinosinusitis	26
22	Dr.S.Karthikumar	Mr.Karl Joseph Samuel	Department of Bio Technology	07/02/2022	Investigation of algal species for the bioremediation of industrial effluents by biosorption and biodiesel production	27
23	Dr.S.Karthikumar	Ms.Jemima Romola	Department of Bio Technology	28/06/2022	Production, extraction and enhancement of structural and functional properties of c-phycocyanin from spirulina plantensis and its applications	28
24	Dr. S.Kalyani	Mr. M. Stalin	Department of Electrical & Electronics Engineering	10/1/2018	Data analytic model for competency mapping	29
25	Dr. S.Kalyani	Ms. V. Saranya	Department of Electrical & Electronics Engineering	29/06/2017	Predictive assessment of learning assessments	30
26	Dr. S.Kalyani	Ms. P. M. Devie	Department of Electrical & Electronics Engineering	12/12/2014	Distribution management systems for smart grid with cloud integrated data computation	31
27	Dr. S.Kalyani	Mrs. M.Vigneswari	Department of Electrical & Electronics Engineering	9/12/2013	Power Quality issues in grid connected renewable energy systems	32
28	Dr. D.PrinceWinston	P.Aravind	Department of Electrical & Electronics Engineering	08/07/2022	Design and development of sustainable technologies for renewable energy system	33
29	Dr. D.PrinceWinston	P. Pandimuni	Department of Electrical & Electronics Engineering	27/06/2022	Investigation on energy extraction and management techniques for renewable energy systems	34

30	Dr. D.PrinceWinston	S. Kavitha	Department of Electrical & Electronics Engineering	07/02/2022	Performance enhancement of various devices used in renewable systems	35
31	Dr. D.PrinceWinston	Suriya Kala S	Department of Electrical & Electronics Engineering	9/29/2021	Maximum Energy Extraction in Renewable Energy Sources	36
32	Dr. D.PrinceWinston	Harihara sudhanT	Department of Electrical & Electronics Engineering	9/16/2021	Investigation on power enhancement techniques in non-conventional energy system	37
33	Dr. D.PrinceWinston	Meenatchi SundaramP	Department of Electrical & Electronics Engineering	9/30/2021	Investigation on performance enhancement of Renewable energy systems and energy storage systems	38
34	Dr. D.PrinceWinston	S.Ramesh Prabhu	Department of Electrical & Electronics Engineering	1/19/2021	Performance analysis of Converters for renewable energy sources	39
35	Dr. D.PrinceWinston	Mr. K.Ganesan	Department of Electrical & Electronics Engineering	12/18/2019	Performance enhancement of distributed energy resource based microgrid	40
36	Dr. D.PrinceWinston	Sugumar S	Department of Electrical & Electronics Engineering	12/18/2019	Development of power enhancement techniques for Renewable Energy systems	41
37	Dr. D.PrinceWinston	Mr. A.Arulkumar	Department of Electrical & Electronics Engineering	7/5/2019	Performance Analysis of Renewable and Distributed Energy Systems	42
38	Dr. B. Gurukarthik Babu	S Selva Kumar	Department of Electrical & Electronics Engineering	1/1/2022	Studies on Polymer nano composite membrane for Fuel cell application	43
39	Dr. B. Gurukarthik Babu	R Santhiya	Department of Electrical & Electronics Engineering	1/1/2019	Exploration of AI Algorithms for road accident analysis and performance evaluation of hybrid system for road transport	44
40	Dr. B. Gurukarthik Babu	R Ganesan	Department of Electrical & Electronics Engineering	1/1/2018	Application of Optimization Techniques for Automatic Generation Control in Deregulated Environment	45
41	Dr.S.Senthil	Hari Prasath T	Department of Mechanical Engineering	1/1/2023	Investigation of flash powered mixture with suitable floral seed powder.	46
42	Dr.S.Senthil	Mr.Sangaranarayanamoorthy	Department of Mechanical Engineering	31/12/2019	Performance investigation of desalination process with the combined effect of nano particles enhanced energy storage materials and 3D printing	47
43	Dr.S.Senthil	Mr.N.R.Madhan	Department of Mechanical Engineering	10/7/2019	Analysis and Optimization of Process parameter for Additive Manufacturing	48
44	Dr.S. S. Saravana Kumar	Mr. D. Palani Kumar	Department of Mechanical Engineering	23/02/2022	Development and analysis of completely Biodegradable green nano polymer composite films for packaging and medical applications	49

45	Dr.S. S. Saravana Kumar	Mr.T.Ramesh	Department of Mechanical Engineering	10/7/2019	Development and analysis of completely biodegradable green nano polymer composite films for packaging and medical applications	50
46	Dr.S. S. Saravana Kumar	Mrs.B. Vithya	Department of Mechanical Engineering	4/7/2019	Characterization and fabrication of natural fiber composite material for civil engineering applications	51
47	Dr.S. S. Saravana Kumar	Mr. L. Loganathan	Department of Mechanical Engineering	13/12/2017	Development and performance analysis of completely biodegradable polymer composite films for packaging and medical applications	52
48	Dr.S. S. Saravana Kumar	Mr.A.Ganesh Babu	Department of Mechanical Engineering	22/06/2017	Characterization and fabrication of natural fiber composite material for mechanical engineering applications	53
49	Dr.P.NarayanaSamy	Mr.S.Devaraj	Department of Mechanical Engineering	04/02/2022	Investigation of High Performance Polymer Coatings on Aluminum Alloy substrate using various coating techniques	54
50	Dr.P.NarayanaSamy	Mr.M.Kaliraj	Department of Mechanical Engineering	20/01/2021	Development of organics - inorganic material reinforced hybrid polymer composites	55
51	Dr.P.NarayanaSamy	Mr.S. David blessley	Department of Mechanical Engineering	4/7/2019	Investigation of micro structure and properties of nano coatings on Titanium alloy	56
52	Dr.P.NarayanaSamy	Mr. B. K. Parrthipan	Department of Mechanical Engineering	27/06/2017	Studies on elastic-plastic behaviour of materials for structural applications	57



Research file  
23/1/2021

# CENTRE FOR RESEARCH

ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 22.01.2021

Lr.No.CFR/Ph.D./Admn/JAN/2021

To  
Dr.R.Suresh Babu  
Professor  
Department of Electronics and Communication Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar, Madurai - 625 701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 36.09 of the 36<sup>th</sup> Research Board Meeting held on 03.11.2020

\*\*\*\*

I am to inform that **Mr.Wesley Moses Samdoss S** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Information and Communication Engineering** of Anna University, Chennai during **January 2021** session under your guidance.

Topic of Research: **DEVELOPMENT OF MACHINE LEARNING ALGORITHMS FOR SMART HEALTH APPLICATIONS**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **21144791329**.

In all future correspondence quote "**21144791329/Ph.D./AR13**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

DIRECTOR

22/01/2021

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. K.P. JAYA**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 07.07.2021

Lr.No.21244891136/Ph.D./AR12

Sub : Ph.D. Programme – Ms.C.Revathy Research Scholar – Change of Supervisor - Orders - Issued.

Ref : 1.This Office Proceedings of even number Dtd: 11.02.2021.

2.Letter Dtd: 05.07.2021 - from the research scholar duly forwarded by the Principal V V College of Engineering, V V Nagar, Arasoor Sathankulam TK,Tuticorin-628656

\*\*\*\*

Under the circumstances stated in the reference 2<sup>nd</sup> cited, **Dr.R.Suresh Babu**, Professor, Department of Electronics and Communication Engineering, Kamaraj College of Engineering and Technology, Virudhunagar - 626001 has been nominated as Supervisor in the place of **Dr. R.Karthipan** in respect of the Research Scholar **Ms.C.Revathy**.

*T. Suresh Babu*  
**DIRECTOR**

To  
Dr.R.Suresh Babu  
Professor  
Department of Electronics and Communication Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626001

Copy to :

- 1.The Head / Director, Department of Electronics and Communication Engineering, Kamaraj College of Engineering and Technology, Virudhunagar - 626001
- 3.Ms.C Revathy, Research scholar through the Supervisor Dr.R Suresh Babu.

*Revathy*

*Dr. R. Suresh Babu*  
4/7/21



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)

**Dr. K.P. JAYA**  
DIRECTOR



Lr.No.CFR/Ph.D./Admn/JAN/2021

Date : 21.01.2021

To  
Dr.R.Suresh Babu  
Professor  
Department of Electronics and Communication Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar, Madurai - 625701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 36.09 of the 36<sup>th</sup> Research Board Meeting held on 03.11.2020

\*\*\*\*

I am to inform that **Ms.Muthu Lakshmi K** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Information and Communication Engineering** of Anna University, Chennai during **January 2021** session under your guidance.

Topic of Research: **AN EXPERIMENTAL STUDY ON VARIOUS VIDEO SUMMARIZATION TECHNIQUES FOR IMPROVING THE TECHNICAL CONTENT IN VIDEOS**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **21234791307**.

In all future correspondence quote "**21234791307/Ph.D./AR13**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

  
21.01.21





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CHENNAI - 600 025



**Dr. K.P. JAYA**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.CFR/Ph.D./Admn/JAN/2020

Date : 21.12.2019

To  
Dr.R.Suresh Babu  
Professor  
Department of Electronics and Communication Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar, Madurai - 625 701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 34.09 of the 34<sup>th</sup> Research Board Meeting held on 18.11.2019

\*\*\*\*

I am to inform that **Ms.Ramalakshmi P** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Information and Communication Engineering** of Anna University, Chennai during **January 2020** session under your guidance.

Topic of Research: **5G IMPLEMENTATION OF RF CIRCUITS**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **20244791177**.

In all future correspondence quote "**20244791177/Ph.D./AR13**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*K.P. Jaya*  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Signature]*  
21/12/19

*[Signature]*  
21/12/19



**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 095**



**Dr. K.P. JAYA**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
 Fax : +91-44-2220 1213  
 Email : [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Date : 22.12.2019

Lr.No.CFR/Ph.D./Admn/JAN/2020

To  
 Dr. R. Suresh Babu  
 Professor

Department of Electronics and Communication Engineering  
 Kamaraj College of Engineering and Technology, Vellakulam  
 Madurai - 625 701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 34.09 of the 34<sup>th</sup> Research Board Meeting held on 18.11.2019

\*\*\*\*

I am to inform that **Mr. Alwyn Rajiv S** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of Information and Communication Engineering of Anna University, Chennai during **January 2020** session under your guidance.

Topic of Research: **ENHANCE THE PERFORMANCE OF HIGH SECURE CRYPTOSYSTEM IN IOT DEVICES**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **20144791124**.

In all future correspondence quote "**20144791134/Ph.D./AR13**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*K.P. Jaya*  
 22/12/19  
 DIRECTOR

*[Signature]*  
 22/12/19

*[Signature]*  
 23/12/19

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone: +91 44 2235 7366/2235 0361  
Fax: +91-44-2220 1213  
Email: dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.CFR/Ph.D./Admn/JUL/2019

Date: 07.07.2019

To  
Dr.R. Suresh Babu  
Professor  
Department of Electronics & Communication Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar, Madurai - 625 701

Sub: Ph.D. Programme - Provisional Registration - Order - Issued.

Ref: Res. No. 33.06 of the 33<sup>rd</sup> Research Board Meeting held on 07.06.2019

I am to inform that **Mr./Ms. Muthukrishna Vinayagam B** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of Information and Communication Engineering of Anna University, Chennai during JUL 2019 session under your guidance.

Topic of Research: **CRACK DEFECT IDENTIFICATION USING IMAGE PROCESSING**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **19144797253**.

In all future correspondence quote "**19144797253/Ph.D./AR15**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time

DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

6/7/19

6/7/19

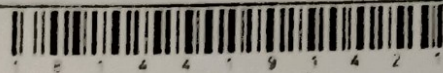


CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7306/2235 0361  
Fax : +91-44 2226 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



No. 18144191421/Ph.D./AR13

Date : 16.04.2019

Sub : Ph.D. Programme – Mr.R.Muthu Kumaran Research Scholar – Change of Supervisor -  
Orders - Issued.

Ref : 1.This Office Proceedings of even number Dtd: 19.01.2018.  
2.Letter Dtd: 02.04.2019 - from Mr.R.Muthu Kumaran research scholar duly forwarded by  
the supervisor

\*\*\*\*

Under the circumstances stated in the reference 2<sup>nd</sup> cited, Dr.R.Suresh Babu, Professor,  
Department of Electronics & Communication Engineering, Kamaraj College of Engineering and  
Technology, Virudhunagar - 625701 has been nominated as Supervisor in the place of Dr.  
V.Ramachandran, in respect of the Research Scholar Mr.R.Muthu Kumaran.

Clause 8.7 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the  
new Supervisor and Synopsis shall be accepted only when the scholar has published atleast one  
journal publication (as applicable) with new Supervisor."

*Dr. P. Mala*  
DIRECTOR 16/4/19

Dr. R. Suresh Babu  
Professor  
Department of Electronics & Communication Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 625701

*P. Mala*  
15/4/19

Copy to :

- 1.The Head / Director, Department of Electronics & Communication Engineering, Kamaraj College  
of Engineering and Technology, , Virudhunagar - 625701
- 2.Dr. V.Ramachandran, 12A/2, 3rd Cross Street Dr.Radhakrishnan Nagar Thiruvanmiyur  
Chennai-600041 (for information)
- 3.Mr.R Muthu Kumaran, Research scholar through the Supervisor Dr.R Suresh Babu.



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



No.1624489392/Ph.D./AR12

Date : 31.03.2022

Sub : Ph.D. Programme – Ms.M.Stella Mercy, Research Scholar – Change of Supervisor -  
Orders - Issued.

Ref : 1.This Office Proceedings of even number Dtd: 16.02.2016.

2.Letter Dtd: 19.03.2022 - from the research scholar forwarded by supervisor and Head of  
the Department

\*\*\*\*

Under the circumstances stated in the reference 2<sup>nd</sup> cited, **Dr.R.Suresh Babu**, Professor,  
Department of Electronics and Communication Engineering, Kamaraj College of Engineering and  
Technology,, Virudhunagar-625701 has been nominated as Supervisor in the place of **Dr. C.Geetha  
Priya** in respect of the Research Scholar **Ms.M.Stella Mercy**.

Clause 8.9 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the  
Supervisor and **Synopsis shall be accepted only when the scholar has published atleast one  
journal publication (as applicable) with new Supervisor.**"

*[Signature]*  
**DIRECTOR**

To  
Dr.R.Suresh Babu  
Professor  
Department of Electronics and Communication Engineering  
Kamaraj College of Engineering and Technology,  
Virudhunagar - 625701

*[Signature]*  
21/3/22

Copy to :

- 1.The Head / Director, Department of Electronics and Communication Engineering, Kamaraj  
College of Engineering and Technology,, Virudhunagar - 625701
- 2.Dr. C.Geetha Priya, Professor, Department of Electronics and Communication Engineering,  
Kamaraj College of Engineering and Technology, Virudhunagar-626001, (for information)
- 3.Ms.M Stella Mercy, Research scholar through the Supervisor Dr.R Suresh Babu.

*[Signature]*



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025

Dr. K.P. JAYA  
DIRECTOR

Telephone: +91-44-2220 1211  
Fax: +91-44-2220 1213  
Email: [cfresearch@annauniv.edu](mailto:cfresearch@annauniv.edu)  
[cfresearch@gmail.com](mailto:cfresearch@gmail.com)



Lr.No.CFR/Ph.D./Admin/JAN/2021

Date : 29.01.2021

To  
Dr.S.Jeyadevi  
Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 36.09 of the 36<sup>th</sup> Research Board Meeting held on 03.11.2020

\*\*\*\*

I am to inform that Ms.Revathi L V is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Electrical Engineering of Anna University, Chennai during January 2021 session under your guidance.

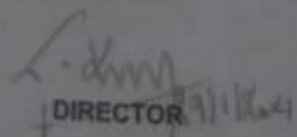
Topic of Research: **FAULT DIAGNOSIS AND PREDICTION IN GAS TURBINES USING MACHINE LEARNING**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cf.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 21243891247.

In all future correspondence quote "21243891247/Ph.D./AR11" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.
- P21

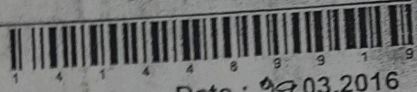


Dr. R. JAYAVEL  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 29.03.2016

Lr.No.1414489919/Ph.D./AR17

Sub : Ph.D. Programme -Mr./Ms.J Ganesan, Research Scholar - Confirmation - Orders -  
Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2014 Dtd: 27.06.2014.  
2. Letter Dtd: 19.03.2016 from Dr.S.Jeyadevi, Professor, Department of Electrical and  
Electronics Engineering Kamaraj College of Engineering and Technology Virudhunagar

\*\*\*\*

The Provisional registration granted to Mr/Ms.J Ganesan to pursue Ph.D. Programme in this  
University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the  
research work as recommended by the Doctoral Committee constituted for the Research Scholar under  
the Faculty of Information and Communication Engineering.

R. Jayavel  
DIRECTOR  
29/3/16

To  
Dr.S Jeyadevi  
Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar 626 001

29/3/16

29/3/16

Copy to :

1. The Head, Department of Electrical and Electronics Engineering Kamaraj College of  
Engineering and Technology Virudhunagar 626 001
2. Mr./Ms.J.Ganesan, Research Scholar through the Supervisor Dr.S Jeyadevi.



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY, CHENNAI 600 025

**Dr. USHA NATESAN**  
DIRECTOR

Telephone : + 91-44-2235 7023  
              : + 91-44-2235 0361  
Fax          : + 91-44-2220 1213  
Email       : dirresearch@annauniv.edu  
              : dirresearch@gmail.com

Lr.No. CR/Ph.D./Admn/Jan/2014

Date: 09.12.2013

To  
Dr.S.Jeyadevi  
Professor  
Dept.of Electrical & Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar -626001  
Sir/Madam,

**Sub:** Ph. D. Programme - Provisional Registration - Order - Issued.

**Ref:** Res. No. 22.02 of the 22<sup>nd</sup> Research Board Meeting held on 04.11.2013

\*\*\*\*\*

I am to inform that **Ms.J. Uma Maheswari** is permitted to register provisionally for Ph.D. programme as **Part - Time** scholar in the **Faculty of Electrical Engineering** of this University during January 2014 session under your guidance.

**Topic of Research: IMPLEMENTATION OF DIGITAL CONTROLLER FOR RENEWABLE ENERGY SOURCES."**

The Research Scholar may be instructed to submit the Enrolment Form within a period of 15 days from the date of issue of this order. The research scholar should submit the semester progress report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee from the date of provisional registration.

The 50% of the programme fee paid will be refunded if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full subject to conditions.

The Registration Number of the research scholar is **1424389154**.

In all future correspondence quote "**1424389154/Ph.D./AR9**" - for reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and applicable as and when amendments are made to the Regulations from time to time.

*Umayatharan*  
DIRECTOR

Copy to:

1. Individual.
2. Head of the Department /Director of the Centre.
3. The Head of the Institution of the scholar.





# CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI 600 025

Telephone : + 91-44-2235 7023

: + 91-44-2235 0361

Fax : + 91-44-2220 1213

Email : dirresearch@annauniv.edu

dirresearch@gmail.com

**Dr.USHA NATESAN**  
DIRECTOR

Lr.No. CR/Ph.D./Admn/July/2013

Date: 14.06.2013

To  
Dr.S.Jeyadevi  
Professor  
Department of Electrical and Electronics Engineering  
Kamarajar College of Engineering & Technology  
Virudhunagar-626 001.

Sir/Madam,

Sub: Ph. D. Programme - Provisional Registration - Order - Issued.

Ref: Res. No. 21.02 of the 21<sup>th</sup> Research Board Meeting held on 20.05.2013.

\*\*\*\*\*

I am to inform that Ms. R.Anitha is permitted to register provisionally for Ph.D. programme as Part Time scholar in the Faculty of Electrical Engineering of this University during July 2013 session under your guidance.

**Topic of Research: "POWER QUALITY IMPROVEMENT IN RENEWABLE ENERGY SOURCES"**

The Research Scholar may be instructed to submit the Enrolment Form within a period of 15 days from the date of issue of this order. The research scholar should submit the semester progress report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee from the date of provisional registration.

The 50% of the programme fee paid will be refunded if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full subject to conditions.

The Registration Number of the research scholar is 1324389713.

In all future correspondence quote "1324389713/Ph.D./AR9" - for reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and applicable as and when amendments are made to the Regulations from time to time.

*S. Srinivasan*  
DIRECTOR /c

Copy to:

1. Individual.
2. The Head of the Department / Director of the Centre.
3. The Head of the Institution of the scholar.

*S.D.*  
13.06.2013  
1378



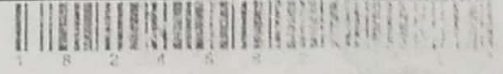
CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@annauniv.ac.in

Lr.No.CR/Ph.D./Admn/JUL/2018



Date: 09/07/19

To  
Dr.R Baskaran  
Professor  
Department of Polymer Technology  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 31.06 of the 31nd Research Board Meeting held on 22.11.2018

\*\*\*\*

I am to inform that **Mr./Ms. Kenet Nancy Mary M** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of Technology of Anna University during 2018 session under your guidance.

Topic of Research: **Evaluation of Mechanical and Thermal properties of Unsaturated Polyester Composites**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **18245897132**.

In all future correspondence quote "**18245897132/Ph.D./AR15**" - for reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*L. d. jaya*  
DIRECTOR 9/5/19

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Signature]*  
9/5/19

*[Signature]*  
9/5/19



Dr. R. JAYAVEL  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.16147897125/Ph.D./AR16

Date : 02.02.2016

Sub : Ph.D. Programme – Mr.A.R.Sivakumar Research Scholar – Change of Supervisor -  
Orders - Issued.

Ref : 1.This Office Proceedings of even number Dtd: 30.06.2016.

2.Letter Dtd: 24.01.2017 - from Mr.A.R.Sivakumar research scholar duly forwarded by the  
supervisor

\*\*\*\*

Under the circumstances stated in the reference 2<sup>nd</sup> cited, Dr.R.Baskaran, Associate Professor,  
Department of Polymer Technology, Kamaraj College of Engineering & Technology, Virudhunagar -  
626001 has been nominated as Supervisor in the place of Dr. A.Murugesan, in respect of the Research  
Scholar Mr.A.R.Sivakumar.

Clause 8.7 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the  
new Supervisor and **Synopsis shall be accepted only when the scholar has published atleast one  
journal publication (as applicable) with new Supervisor.**"

*R. Jayavel*  
02/02/16  
DIRECTOR

To  
Dr.R.Baskaran  
Associate Professor  
Department of Polymer Technology  
Kamaraj College of Engineering & Technology  
Virudhunagar - 626001

*Dr. Murugesan*  
2/2/17

Copy to :

- 1.The Head / Director, Department of Polymer Technology, Kamaraj College of Engineering &  
Technology, , Virudhunagar - 626001
- 2.Dr. A.Murugesan, Associate Professor, Department of Polymer Technology Kamaraj College of  
Engineering and Technology Virudhunagar-626001 (for information)
- 3.Mr.A.R Sivakumar, Research scholar through the Supervisor Dr.R Baskaran.



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 06.02.2023

Lr.No.22145897115/Ph.D./AR9

Sub : Ph.D. Programme – Mr.R.P.Rajadurai Jesudoss, Research Scholar – Change of Supervisor - Orders - Issued.

- Ref :
1. This Office Proceedings of even number Dtd: 04.08.2022.
  2. Letter Dtd: 25.01.2023 - from Dr.I.Ganesh Moorthy, Associate Professor, School of Chemical Engineering, Vellore Institute of Technology, Vellore - 632 014

\*\*\*\*

Under the circumstances stated in the reference 2<sup>nd</sup> cited, **Dr.R.Shyam Kumar**, Professor, Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar-626 001 has been nominated as Supervisor in the place of **Dr. I.Ganesh Moorthy** in respect of the Research Scholar **Mr.R P.Rajadurai Jesudoss**.

Clause 8.9 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the new Supervisor and **Synopsis shall be accepted only when the scholar has published atleast one journal publication (as applicable) with new Supervisor.**"

DIRECTOR

To  
Dr.R.Shyam Kumar  
Professor  
Department of Biotechnology  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Copy to :

1. The Head / Director, Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar - 626 001
2. Dr. I.Ganesh Moorthy, Associate Professor, School of Chemical Engineering, Vellore Institute of Technology, Vellore - 632 014, (for information)
3. Dr.V.Chitra Devi, Professor, Department of Food Technology, Kongu Engineering College, Erode - 638 060 (for information).
4. Dr.G.Muralitharan, Associate Professor, Department of Microbiology, Bharathidasan University, Tiruchirappalli - 620 024 (for information)
5. Mr.R P Rajadurai Jesudoss, Research scholar through the Supervisor Dr.R.Shyam Kumar.



Dr. C.UMARANI  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 28.02.2023

Lr.No.22245897112/Ph.D./AR9

Sub : Ph.D. Programme – Ms.S.Lakshmi Praba, Research Scholar – Change of Supervisor -  
Orders - Issued.

Ref : 1. This Office Proceedings of even number Dtd: 18.08.2022.

2. Letter Dtd: 25.01.2023 - from Dr.I.Ganesh Moorthy, Associate Professor, School of  
Chemical Engineering, Vellore Institute of Technology, Vellore - 632 014

\*\*\*\*

Under the circumstances stated in the reference 2<sup>nd</sup> cited, Dr.R.Shyam Kumar, Professor,  
Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar-626 001  
has been nominated as Supervisor in the place of Dr. I.Ganesh Moorthy in respect of the Research  
Scholar Ms.S.Lakshmi Praba.

Clause 8.9 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the  
new Supervisor and Synopsis shall be accepted only when the scholar has published atleast one  
journal publication (as applicable) with new Supervisor."

  
DIRECTOR

To  
Dr.R.Shyam Kumar  
Professor  
Department of Biotechnology  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Copy to :

1. The Head / Director, Department of Biotechnology, Kamaraj College of Engineering and  
Technology, Virudhunagar - 626 001
2. Dr. I.Ganesh Moorthy, Associate Professor, Department of Biotechnology, Vellore Institute of  
Technology, Vellore-632 014 , (for information)
3. Dr.S Renganathan, Professor, Department of Biotechnology, CEG Campus, Anna University,  
Chennai - 600 025 (for information).
4. Dr.V Sivasubramanian, Associate Professor, Department of Chemical Engineering, National  
Institute of Technology, Calicut - 673 601 (for information).
5. Ms.S Lakshmi Praba, Research scholar through the Supervisor Dr.R Shyam Kumar.



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR



Lr.No CR/Ph.D./Admn/JAN/2019

Date: 03.01.2019

To  
Dr.R. Shyam Kumar  
Professor  
Department of Biotechnology  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub: Ph.D Programme - Provisional Registration - Order - Issued

Ref: Res. No. 32.06 of the 32nd Research Board Meeting held on 22.11.2018

\*\*\*

I am to inform that **Mr./Ms. Mathews Lurth Raj D** is permitted to register provisionally for Ph.D. programme as **Full-Time scholar** in the Faculty of Technology of Anna University during 2019 session under your guidance

Topic of Research: **ISOLATION, CHARACTERIZATION OF COASTAL LICHENS DERIVED ACTINOMYCETES AND ITS BIOACTIVE METABOLITE FROM KANYAKUMARI DISTRICT OF TAMILNADU, INDIA.**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full subject to conditions.

The Registration Number of the research scholar is **19195801114**.

In all future correspondence quote " **19195891114/Ph.D./AR15** " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

Dr. R. SHYAM KUMAR  
Professor - Dept. of Biotech.,  
Kamaraj College of Engg. & Tech.,  
Virudhunagar - 626 001.

DIRECTOR

To  
 Individual  
 The Head of the Department / Director of the Centre.

3/1/19 3/1/19



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. K.P. JAYA**  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.CR/Ph.D./Admn/JAN/2019

Date : 03.01.2019

To  
Dr.R Shyam Kumar  
Professor  
Department of Biotechnology  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 32.06 of the 32nd Research Board Meeting held on 22.11.2018

\*\*\*\*

I am to inform that **Mr./Ms. Amutha Lakshmi R** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Technology** of Anna University during 2019 session under your guidance.

Topic of Research: **EXTRACTION, CHARACTERIZATION AND APPLICATIONS OF EXOPOLYSACCHARIDE FROM CYANOBACTERIAL SPECIES OF CYANOLICHENS**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **19245891106**.

In all future correspondence quote "**19245891106/Ph.D./AR15**" - for reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*K. P. Jaya*  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Handwritten signatures and dates]*  
31/1/19



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.22245891123/Ph.D./AR9

Date : 31.03.2023

Sub : Ph.D. Programme – Ms.K.Shalini, Research Scholar – Change of Supervisor - Orders - Issued.

- Ref : 1. This Office Proceedings of even number Dtd: 08.03.2022.  
2. Letter Dtd: 27.03.2023 - from Ms.K.Shalini, research scholar duly forwarded by the Supervisor and the Head of the Department.

\*\*\*\*

Under the circumstances stated in the reference 2<sup>nd</sup> cited, **Dr.K.Geetha**, Associate Professor, Department of Biotechnology, Kamaraj College of Engineering and Technology, Madurai-625 701 has been nominated as Supervisor in the place of **Dr. S.Mariaamalraj** in respect of the Research Scholar **Ms.K.Shalini**.

Clause 8.9 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the new Supervisor and **Synopsis shall be accepted only when the scholar has published atleast one journal publication (as applicable) with new Supervisor.**"

*[Handwritten Signature]*  
DIRECTOR

To  
Dr.K.Geetha  
Associate Professor  
Department of Biotechnology  
Kamaraj College of Engineering and Technology  
Madurai - 625 701

Copy to :

1. The Head / Director, Department of Biotechnology, Kamaraj College of Engineering and Technology, Madurai - 625 701
2. Dr. S.Mariaamalraj, Associate Professor, Department of Biotechnology, Sethu Institute of Technology, Kariapatti Virudhunagar-626 115, (for information)
3. Dr.N.Sivarajsekar, Professor, Department of Biotechnology, Kumaraguru College of Technology, Coimbatore - 641 049 (for information).
4. Dr.M.Rajasimman, Professor, Department of Chemical Engineering, Annamalai University, Chidambaram - 608 002 (for information).
5. Ms.K Shalini, Research scholar through the Supervisor Dr.K Geetha.





**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.22245891121/Ph.D./AR9

Date : 17-02-2023

Sub : Ph.D. Programme – Ms.R.Subashini, Research Scholar – Change of Supervisor - Orders - Issued.

- Ref : 1.This Office Proceedings of even number Dtd: 09.06.2022.  
2.Letter Dtd: 09.02.2023 - from Ms.R.Subashini, research scholar duly forwarded by the Supervisor and the Head of the Department.

\*\*\*\*


Under the circumstances stated in the reference 2<sup>nd</sup> cited, **Dr.K.Geetha**, Associate Professor, Department of Biotechnology, Kamaraj College of Engineering and Technology, Madurai-625 701 has been nominated as Supervisor in the place of **Dr. S.Mariaamalraj** in respect of the Research Scholar **Ms.R.Subashini**.

Clause 8.9 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the new Supervisor and **Synopsis shall be accepted only when the scholar has published atleast one journal publication (as applicable) with new Supervisor.**"

  
DIRECTOR

To  
Dr.K.Geetha  
Associate Professor  
Department of Biotechnology  
Kamaraj College of Engineering and Technology  
Madurai - 625 701

Copy to :

- 1.The Head / Director, Department of Biotechnology, Kamaraj College of Engineering and Technology, Madurai - 625 701
- 2.Dr. S.Mariaamalraj, Associate Professor, Department of Biotechnology, Sethu Institute of Technologies, Kariapatti-626115 , (for information)
- 3.Dr.M Sukumar,Professor,Department of Biotechnology,A.C. Tech Campus, Anna University, Chennai - 600 025 (for information).
- 4.Dr.T Sivasudha,Professor,Department of Environmental Biotechnology,Bharathidasan University, Tiruchirapalli - 620 024 (for information).
- 5.Ms.R Subashini, Research scholar through the Supervisor Dr.K Geetha.



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 16.06.2022

Lr.No.19245891112/Ph.D./AR9

Sub : Ph.D. Programme –Mr./Ms.A Ganga, Research Scholar – Confirmation - Orders - Issued.

- Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2019 Dtd: 11.01.2019.  
2. Letter Dtd: 11.06.2022 from Dr.K.Geetha, Associate Professor, Department of Biotechnology, Kamaraj College of Engineering & Technology, Virudhunagar 626001

\*\*\*\*

The Provisional registration granted to Mr/Ms.A Ganga to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the **Faculty of Technology**.

*[Handwritten Signature]*  
DIRECTOR 1/2  
1/2

To  
Dr.K Geetha  
Associate Professor  
Department of Biotechnology  
Kamaraj College of Engineering & Technology  
Virudhunagar 626001

*[Handwritten Signature]*  
16/06/22

Copy to :

The Head/Director  
Department of Biotechnology  
Kamaraj College of Engineering & Technology  
Virudhunagar 626001

Mr./Ms.A Ganga, Research Scholar through the Supervisor Dr.K Geetha

*[Handwritten Note in Purple Ink]*  
Forwarded to  
Rishay  
Dr. Sree/RDC/BT

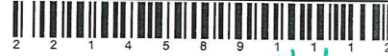


**Dr. C.UMARANI**  
**DIRECTOR**

**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 07/01/2022

Lr.No.CFR/Ph.D./Admn/JAN/2022

To  
Dr.S.S.Karthikumar  
Assistant Professor  
Department of Biotechnology  
Kamaraj College of Engineering and Technology(Autonomous)  
Virudhunagar - 625701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 38.4.01 of the 38<sup>th</sup> Research Board Meeting held on 19.01.2022

\*\*\*\*

I am to inform that **Mr.Karl Joseph Samuel** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Technology** of Anna University, Chennai during **January 2022** session under your guidance.

Topic of Research: **INVESTIGATION OF ALGAL SPECIES FOR THE BIOREMEDIATION OF INDUSTRIAL EFFLUENTS BY BIOSORPTION AND BIODIESEL PRODUCTION**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **22145891112**.

In all future correspondence quote "**22145891112/Ph.D./AR9**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

**DIRECTOR**

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.  
3. The Head of the Institution of the scholar.



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 28.06.2022

Lr.No.CFR/Ph.D./Admn/JUL/2022

To  
Dr.S.S.Karthikumar  
Assistant Professor  
Department of Biotechnology  
Kamaraj College of Engineering and Technology  
Vellakulam Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 39.4.01 of the 39<sup>th</sup> Research Board Meeting held on 15.06.2022

\*\*\*\*

I am to inform that **Ms.Jemima Romola C V** is permitted to register provisionally for Ph.D. programme as **Full-Time** scholar in the Faculty of **Technology** of Anna University, Chennai during **JULY 2022** session under your guidance.

Topic of Research: **PRODUCTION, EXTRACTION AND ENHANCEMENT OF STRUCTURAL AND FUNCTIONAL PROPERTIES OF C-PHYCOCYANIN FROM SPIRULINA PLANTENSIS AND ITS APPLICATIONS**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **22245897106**.

In all future correspondence quote "**22245897106/Ph.D./AR9**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

**DIRECTOR**

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.

*28/6/2022*



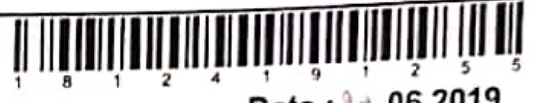
Dr. K.P. JAYA  
DIRECTOR

To  
Dr. Testa  
for file copy  
22/07

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 27.06.2019

Lr.No.18124191255/Ph.D./AR13

Sub : Ph.D. Programme –Mr./Ms.M Stalin, Research Scholar – Confirmation - Orders - Issued.

- Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2018 Dtd: 10.01.2018.
- 2. Letter Dtd: 10.06.2019 from Dr.S.Kalyani, Professor, Department of Electrical & Electronics Engineering, Kamaraj College of Engineering and Technology, Virudhunagar 626001

\*\*\*\*

The Provisional registration granted to Mr/Ms.M Stalin to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Information and Communication Engineering.

*T. Kalyani*  
DIRECTOR  
20/6/19

To  
Dr.S Kalyani  
Professor  
Department of Electrical & Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar 626001

*[Signature]*  
27/6/19

Copy to :  
The Head/Director  
Department of Electrical & Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar 626001

Mr./Ms.M Stalin, Research Scholar through the Supervisor Dr.S Kalyani



Dr. K.P. JAYA  
DIRECTOR

To  
Dr. Jeglin  
06/06

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com

Lr.No.17234197634/Ph.D./AR15



Date : 30.05.2019

Sub : Ph.D. Programme –Mr./Ms.V Saranya, Research Scholar – Confirmation - Orders - Issued.

- Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2017 Dtd: 29.06.2017.  
2. Letter Dtd: 27.05.2019 from Dr.S.Kalyani, Professor, Department of Electrical & Electronics Engineering, Kamaraj College of Engineering and Technology, Virudhunagar 626001

\*\*\*\*

The Provisional registration granted to Mr/Ms.V Saranya to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Information and Communication Engineering.

*[Signature]*  
DIRECTOR 30/5/19

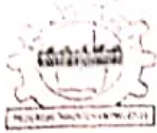
To  
Dr.S Kalyani  
Professor  
Department of Electrical & Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar 626001

*[Signature]* 30/5/19  
*[Signature]* 30/5/19

Copy to :

The Head/Director  
Department of Electrical & Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar 626001

Mr./Ms.V Saranya, Research Scholar through the Supervisor Dr.S Kalyani



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. USHA NATESAN  
DIRECTOR

Telephone +91-44-2235 7023/2235 0301  
Fax +91-44 2220 1213  
Email dirresearch@annauniv.edu  
dirresearch@gmail.com

Lr.No.CR/Ph.D./Admn/January/2015

Date : 12.12.2014

To  
~~Dr.~~ S Kalyani  
Professor  
Dept of Electrical And Electronics Engineering  
Kamaraj College Of Engineering And Technology  
Virudhunagar - 626001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 24.13 of the 24<sup>th</sup> Research Board Meeting held on 11.11.2014

....

I am to inform that Mr./Ms. DEVIE. P M is permitted to register provisionally for Ph.D. programme as ~~Part-Time~~ scholar in the Faculty of Electrical Engineering of Anna University during January 2015 session under your guidance.

Topic of Research: **DISTRIBUTION MANAGEMENT SYSTEM FOR SMART GRID WITH CLOUD INTEGRATED DATA COMPUTATION**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 1523389147.

In all future correspondence quote " 1523389147/Ph.D./AR9 " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

*[Signature]*  
19/12.14  
F DIRECTOR

*[Signature]*  
17/12/2014

*[Signature]*  
12/12

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.



CENTRE FOR RESEARCH  
ANNA UNIVERSITY, CHENNAI 600 025

USHA NATESAN  
DIRECTOR

Telephone : + 91-44-2235 7023  
: + 91-44-2235 0361  
Fax : + 91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com

Lr.No. CR/Ph.D./Admn/Jan/2014

Date: 09.12.2013

To  
Dr.S.Kalyani  
Professor  
Dept.of Electrical & Electronics Engineering  
Kamaraj College of Engineering & Technology  
Virudhunagar -626001

Sir/Madam,

**Sub:** Ph. D. Programme - Provisional Registration - Order - Issued.

**Ref:** Res. No. 22.02 of the 22<sup>nd</sup> Research Board Meeting held on 04.11.2013

\*\*\*\*\*

I am to inform that Ms.M. Vigneswari is permitted to register provisionally for Ph.D. programme as Part - Time scholar in the Faculty of Electrical Engineering of this University during January 2014 session under your guidance.

**Topic of Research: POWER QUALITY ISSUES IN GRID CONNECTED RENEWABLE ENERGY SYSTEM."**

The Research Scholar may be instructed to submit the Enrolment Form within a period of 15 days from the date of issue of this order. The research scholar should submit the semester progress report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee from the date of provisional registration.

The 50% of the programme fee paid will be refunded if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full subject to conditions.

The Registration Number of the research scholar is 1424389152.

In all future correspondence quote "1424389152/Ph.D./AR9" - for reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and applicable as and when amendments are made to the Regulations from time to time.

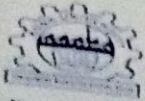
*Usha Natesan*  
DIRECTOR

Copy to:

1. Individual.
2. Head of the Department /Director of the Centre.
3. The Head of the Institution of the scholar.

*S* *BY*  
*9/12*





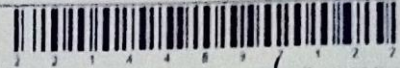
**Dr. C.UMARANI**  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 026



7

Telephone: +91 44 2235 7366/2235 0364  
Fax: +91 44 2220 5213  
Email: [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Date: 2/07 .2022

Lr.No.CFR/Ph.D./Admn/JUL/2022

To  
Dr.D.Prince Winston  
Professor  
Department of Electrical & Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub: Ph.D. Programme - Provisional Registration - Order - Issued.

Ref: Res. No. 39.4.01 of the 39<sup>th</sup> Research Board Meeting held on 15.06.2022

....

I am to inform that **Mr.Aravind P** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Information and Communication Engineering** of Anna University, Chennai during **JULY 2022** session under your guidance.

Topic of Research: **DESIGN AND DEVELOPMENT OF SUSTAINABLE TECHNOLOGIES FOR RENEWABLE ENERGY SYSTEM**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **22144897122**.

In all future correspondence quote "**22144897122/Ph.D./AR15**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*[Signature]*  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Signature]*  
R. Aravinda

*[Signature]*  
S.P.M.L.



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 27.06.2022

Lr.No.CFR/Ph.D./Admn/JUL/2022

To  
Dr.D.Prince Winston  
Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 39.4.01 of the 39<sup>th</sup> Research Board Meeting held on 15.06.2022

I am to inform that **Mr.Pandimuni P** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Electrical Engineering** of Anna University, Chennai during **JULY 2022** session under your guidance.

Topic of Research: **INVESTIGATION ON ENERGY EXTRACTION AND MANAGEMENT TECHNIQUES FOR RENEWABLE ENERGY SYSTEMS**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **22133797113**.

In all future correspondence quote "**22133797113/Ph.D./AR11**" as reference.\*The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*[Signature]*  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Handwritten signature]*  
27/6/22



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 7-2 .2022

Lr.No.CFR/Ph.D./Admn/JAN/2022

To  
Dr.D.Prince Winston  
Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
K. Vellakulam Virudhunagar - 625 701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 38.4.01 of the 38<sup>th</sup> Research Board Meeting held on 19.01.2022

\*\*\*\*

I am to inform that **Ms.Kavitha S** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Electrical Engineering** of Anna University, Chennai during **January 2022** session under your guidance.

Topic of Research: **PERFORMANCE ENHANCEMENT OF VARIOUS DEVICES USED IN RENEWABLE ENERGY SYSTEMS**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **22243891170**.

In all future correspondence quote "**22243891170/Ph.D.JAR11**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*Shobha.K.V.*  
7/2/22  
**DIRECTOR**

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*Shobha.K.V.*  
7/2/2022



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. K.P. JAYA**  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 29.09.2021

Lr.No.CFR/Ph.D./Admn/JUL/2021

To  
Dr.D.Prince Winston  
Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 37.06 of the 37<sup>th</sup> Research Board Meeting held on 16.08.2021

....

I am to inform that Ms.Suriya Kala S is permitted to register provisionally for Ph.D. programme as Full-Time scholar in the Faculty of Electrical Engineering of Anna University, Chennai during JULY 2021 session under your guidance.

Topic of Research: **MAXIMUM ENERGY EXTRACTION IN RENEWABLE ENERGY SOURCES**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **21243897114**.

In all future correspondence quote "21243897114/Ph.D./AR11" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*[Handwritten Signature]*  
DIRECTOR

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.

*[Handwritten Signature]*  
Suriya Kala S

*[Handwritten Signature]*  
A. Princy  
29/9/2021

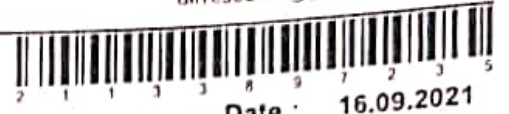


CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.CFR/Ph.D./Admn/JUL/2021

To  
Dr.D.Prince Winston  
Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 37.06 of the 37<sup>th</sup> Research Board Meeting held on 16.08.2021

\*\*\*\*

I am to inform that Mr.Hariharasudhan T is permitted to register provisionally for Ph.D. programme as Full-Time scholar in the Faculty of Electrical Engineering of Anna University, Chennai during JULY 2021 session under your guidance.

Topic of Research: INVESTIGATION ON POWER ENHANCEMENT TECHNIQUES IN NON CONVENTIONAL ENERGY SYSTEM

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 21133897235.

In all future correspondence quote "21133897235/Ph.D.JAR11" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*[Signature]*  
DIRECTOR

*[Signature]*  
16/09/2021

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 30.09.2021

Lr.No.CFR/Ph.D./Admn/JUL/2021

To  
Dr.D.Prince Winston  
Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 37.06 of the 37<sup>th</sup> Research Board Meeting held on 16.08.2021

....

I am to inform that **Mr.Meenatchi Sundaram P** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Information and Communication Engineering** of Anna University, Chennai during **JULY 2021** session under your guidance.

Topic of Research: **INVESTIGATION ON PERFORMANCE ENHANCEMENT OF RENEWABLE ENERGY SYSTEMS AND ENERGY STORAGE SYSTEMS**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **21144897259**.

In all future correspondence quote "**21144897259/Ph.D./AR15**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

R. Vidyasriya  
11/10/2021  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Handwritten signatures and dates]*  
30/9/21  
11/10/21



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7360/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 19.01.2021

Lr.No.CFR/Ph.D./Admn/JAN/2021

To  
Dr.D.Prince Winston  
Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
K. Vellakulam, Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 36.09 of the 36<sup>th</sup> Research Board Meeting held on 03.11.2020

\*\*\*\*

I am to inform that **Mr.Ramesh Prabhu S** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Electrical Engineering** of Anna University, Chennai during **January 2021** session under your guidance.

Topic of Research: **PERFORMANCE ANALYSIS OF CONVERTERS FOR RENEWABLE ENERGY SOURCES.**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **21143891187**.

In all future correspondence quote "**21143891187/Ph.D./AR11**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

R. Vidyasriya  
19/01/2021  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

M.S  
19/01/2021



**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



**Dr. K.P. JAYA**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
 Fax : +91-44-2220 1213  
 Email : dirresearch@annauniv.edu  
 dirresearch@gmail.com



Lr.No.CFR/Ph.D./Admn/JAN/2020

Date : 18.12.2019

To  
 Dr.D.Prince Winston  
 Associate Professor  
 Department of Electrical and Electronics Engineering  
 Kamaraj College of Engineering and Technology  
 Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 34.09 of the 34<sup>th</sup> Research Board Meeting held on 18.11.2019

\*\*\*\*

I am to inform that **Mr.Ganesan K** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Electrical Engineering** of Anna University, Chennai during **January 2020** session under your guidance.

Topic of Research: **PERFORMANCE ENHANCEMENT OF DISTRIBUTED ENERGY RESOURCES BASED MICROGRID**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **20143891154**.

In all future correspondence quote "**20143891154/Ph.D.JAR11**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*R. Vidjeapriya*  
 DIRECTOR 18/12/19  
 18/12/19

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*K. G. S. S.*  
 18/12/19





**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



**Dr. K.P. JAYA**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
 Fax : +91-44-2220 1213  
 Email : dirresearch@annauniv.edu  
 dirresearch@gmail.com

Lr.No.CFR/Ph.D./Admn/JAN/2020



Date : 18.12.2019

To  
 Dr.D Prince Winston  
 Associate Professor  
 Department of Electrical and Electronics Engineering  
 Kamaraj College of Engineering and Technology  
 Virudhunagar - 625 701

Sub: Ph.D. Programme - Provisional Registration - Order - Issued.

Ref: Res. No. 34.09 of the 34<sup>th</sup> Research Board Meeting held on 18.11.2019

\*\*\*\*

I am to inform that Mr.Sugumar S is permitted to register provisionally for Ph.D. programme Part-Time scholar in the Faculty of Electrical Engineering of Anna University, Chennai during January 2020 session under your guidance.

Topic of Research: **DEVELOPMENT OF POWER ENHANCEMENT TECHNIQUES FOR RENEWABLE ENERGY SYSTEMS**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of Issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 20143891162.

In all future correspondence quote "20143891162/Ph.DJAR11" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*R. Vidyapriya*  
 DIRECTOR 18/12/19  
*[Signature]*  
 18/12/19

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

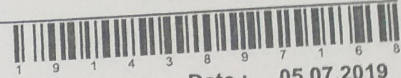


Dr. K.P. JAYA  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 05.07.2019

Lr.No.CFR/Ph.D./Admn/JUL/2019

To  
Dr.D. Prince Winston  
Associate Professor  
Department of Electrical & Electronics Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 33.06 of the 33<sup>rd</sup> Research Board Meeting held on 07.06.2019

\*\*\*\*  
I am to inform that **Mr./Ms. Arulkumar A** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Electrical Engineering** of Anna University, Chennai during JUL 2019 session under your guidance.

Topic of Research: **PERFORMANCE ANALYSIS OF RENEWABLE AND DISTRIBUTED ENERGY SYSTEMS**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **19143897168**.

In all future correspondence quote "**19143897168/Ph.D./AR11**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

for V. Mala  
5/7/19  
DIRECTOR

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.  
3. The Head of the Institution of the scholar.

4/17/19  
4/17/19



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Procs.No.22132791147/Ph.D./AR9

Date : 17.10.2023

Sub : Ph.D. Programme –Mr./Ms.S Selva Kumar, Research Scholar – Confirmation - Orders - Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2022 Dtd: 07.02.2022.

2. Letter Dtd: 28.02.2022 from Dr.B.Gurukarthik Babu, Assistant Professor, Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology, Madurai - 625 701

\*\*\*\*

The Provisional registration granted to Mr/Ms.S Selva Kumar to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Mechanical Engineering.

*[Signature]*  
13/10  
DIRECTOR

To  
✓ Dr.B Gurukarthik Babu  
Assistant Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
Madurai 625 701

*[Signature]*  
14/10/23

*[Signature]*  
2/2

*[Signature]*  
13.10.23

Copy to :

1.The Head/Director  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
Madurai 625 701

2.Mr./Ms.S Selva Kumar, Research Scholar through the Supervisor Dr.B Gurukarthik Babu



Dr. C.UMARANI  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.19243891116/Ph.D./AR11

Date 31.03.2022

Sub : Ph.D. Programme – Ms.R.Santhiya, Research Scholar – Change of Supervisor - Orders - Issued.

Ref : 1.This Office Proceedings of even number Dtd: 27.12.2018.

2.Letter Dtd: 22.03.2022 - from Mrs.R.Santhiya Research Scholar duly forwarded by the supervisor and HoD

\*\*\*\*

Under the circumstances stated in the reference 2<sup>nd</sup> cited, **Dr.B.Gurukarthik Babu**, Assistant Professor, Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology, Madurai-625 701 has been nominated as Supervisor in the place of **Dr. C..Geetha Priya** in respect of the Research Scholar **Ms.R.Santhiya**.

Clause 8.9 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the new Supervisor and **Synopsis shall be accepted only when the scholar has published atleast one journal publication (as applicable) with new Supervisor.**"

f Shobakar  
DIRECTOR 31/3/22

To  
Dr.B.Gurukarthik Babu  
Assistant Professor  
Department of Electrical and Electronics Engineering  
Kamaraj College of Engineering and Technology  
Madurai - 625 701

Dr. B. Gurukarthik Babu  
31/3/22  
Analy.

Copy to :

- 1.The Head / Director, Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology, Madurai - 625 701
- 2.Dr. C..Geetha Priya, Professor, Department of Electronics and Communication Engineering, Kamaraj College of Engineering and Technology, Virudhunagar-626001 , (for information)
- 3.Ms.R Santhiya, Research scholar through the Supervisor Dr.B Gurukarthik Babu.



**Dr. C.UMARANI**  
**DIRECTOR**

**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.18143891211/Ph.D./AR11

Date : 12.12.2022

Sub : Ph.D. Programme – Mr.R.Ganesan, Research Scholar – Change of Supervisor - Orders - Issued.

Ref : 1.This Office Proceedings of even number Dtd: 19.12.2017.

2.Letter Dtd: 06.12.2022 - from Mr.R.Ganesan Research scholar duly forwarded by the supervisor and HoD

\*\*\*\*

Under the circumstances stated in the reference 2<sup>nd</sup> cited, **Dr.B.Gurukarthik Babu**, Assistant Professor, Department of Electrical & Electronics Engineering, Kamaraj College of Engineering and Technology, Madurai-625701 has been nominated as Supervisor in the place of **Dr. S.Anbarasi** in respect of the Research Scholar **Mr.R.Ganesan**.

Clause 8.9 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the new Supervisor and **Synopsis shall be accepted only when the scholar has published at least one journal publication (as applicable) with new Supervisor.**"

*P. Shoban*  
12/12/22  
**DIRECTOR**

To  
Dr.B.Gurukarthik Babu  
Assistant Professor  
Department of Electrical & Electronics Engineering  
Kamaraj College of Engineering and Technology  
Madurai - 625701

Copy to :

- 1.The Head / Director, Department of Electrical & Electronics Engineering, Kamaraj College of Engineering and Technology, Madurai - 625701
- 2.Dr. S.Anbarasi, Associate Professor, Department of Electrical and Electronics Engineering, P.S.R. Engineering College, Sivakasi Virudhunagar-626140 , (for information)
- 3.Dr.P.Venkatesh,Associate Professor,Department of Electrical and Electronics Engineering,Thiyagarajar College of Engineering Madurai 625015(for information).
- 4.Dr.A. Ramkumar,Associate Professor,Department of Electrical and Electronics Engineering,Kalasalingam University Krishnankoil-626126(for information).
- 5.Mr.R Ganesan, Research scholar through the Supervisor Dr.B Gurukarthik Babu.



**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
 Fax : +91-44-2220 1213  
 Email : dirresearch@annauniv.edu  
 dirresearch@gmail.com



Date : 10/2/2023

Lr.No.CFR/Ph.D./Admn/JAN/2023

To  
 Dr.S.Senthil  
 Associate Professor  
 Department of Mechanical Engineering  
 Kamaraj College of Engineering and Technology  
 Virudhunagar - 626 001

Sub: Ph.D.Programme - Provisional Registration - Order - Issued.

Ref: Res. No. 40.4.01 of the 40<sup>th</sup> Research Board Meeting held on 15.11.2022

\*\*\*\*

I am to inform that Mr.Hari Prasath T is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Mechanical Engineering of Anna University, Chennai during January 2023 session under your guidance.

Topic of Research: **INVESTIGATION OF FLASH POWDER MIXTURE WITH SUITABLE FLORAL SEED POWDER**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 23142891211.

In all future correspondence quote "23142891211/Ph.D./AR9" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*[Handwritten Signature]*  
 10/2/2023  
 DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Handwritten Signature]*  
 10/2/23

*[Handwritten Signature]*  
 10/2

32



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 31.12.2019

Lr.No.CFR/Ph.D./Admn/JAN/2020

To  
Dr.S.Senthil  
Associate Professor  
Department of Mechanical Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 34.09 of the 34<sup>th</sup> Research Board Meeting held on 18.11.2019

\*\*\*\*

I am to inform that **Mr.Sankara Narayana Murthy A** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Mechanical Engineering** of Anna University, Chennai during **January 2020** session under your guidance.

Topic of Research: **PERFORMANCE INVESTIGATION OF DESALINATION PROCESS WITH THE COMBINED EFFECT OF NANO PARTICLES ENHANCED ENERGY STORAGE MATERIALS AND 3D PRINTING**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **20142891117**.

In all future correspondence quote "**20142891117/Ph.D./AR9**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*Jayal*  
31/12/19  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*SP*  
31/12/19

*[Signature]*  
31/12/2020



**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



**Dr. K.P. JAYA**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
 Fax : +91-44-2220 1213  
 Email : dirresearch@annauniv.edu  
 dirresearch@gmail.com



Date **14.08.2019**

Lr.No.CFR/Ph.D./Admn/JUL/2019

To  
 Dr.S. Senthil  
 Associate Professor  
 Department of Mechanical Engineering  
 Kamaraj College of Engineering and Technology  
 Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 33.06 of the 33<sup>rd</sup> Research Board Meeting held on 07.06.2019

\*\*\*\*

I am to inform that **Mr./Ms. Madhan N R** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Mechanical Engineering** of Anna University, Chennai during JUL 2019 session under your guidance.

Topic of Research: **ANALYSIS AND OPTIMIZATION OF PROCESS PARAMETER FOR ADDITIVE MANUFACTURING**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **19142897102**.

In all future correspondence quote "**19142897102/Ph.D./AR10**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*f R. Vidjapriya*  
 DIRECTOR  
 14/8/19

To  
 Mr. N R M

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Signature]*  
 13/8/19

*[Signature]*  
 13/8/19





CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 23/12/2022

Lr.No.CFR/Ph.D./Admn/JAN/2022

To  
Dr.S.S.Saravanakumar  
Associate Professor  
Department of Mechanical Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 38.4.01 of the 38<sup>th</sup> Research Board Meeting held on 19.01.2022

\*\*\*\*

I am to inform that Mr.Palani Kumar D is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Mechanical Engineering** of Anna University, Chennai during **January 2022** session under your guidance.

Topic of Research: **DEVELOPMENT AND ANALYSIS OF COMPLETELY BIODEGRADABLE GREEN NANO POLYMER COMPOSITE FILMS FOR PACKAGING AND MEDICAL APPLICATIONS**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.


The Registration Number of the research scholar is **22142891262**.

In all future correspondence quote "**22142891262/Ph.D./AR9**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

  
DIRECTOR  
23/12/22

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

23/12/2022

  
23/12/22

(47)



**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



**Dr. K.P. JAYA**  
**DIRECTOR**

Telephone : +91-44-2235 7360/2235 0361  
 Fax : +91-44-2220 1213  
 Email : dirresearch@annauniv.edu  
 dirresearch@gmail.com



Lr.No.CFR/Ph.D./Admn/JUL/2019

Date : 10.07.2019

To  
 Dr.S.S. Saravanakumar  
 Associate Professor  
 Department of Mechanical Engineering  
 Kamaraj College of Engineering and Technology  
 Vellakulam, Virudhunagar - 626 001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 33.06 of the 33<sup>rd</sup> Research Board Meeting held on 07.06.2019

I am to inform that Mr./Ms. Ramesh T is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Mechanical Engineering of Anna University, Chennai during JUL 2019 session under your guidance.

Topic of Research: **DEVELOPMENT AND ANALYSIS OF COMPLETELY BIODEGRADABLE GREEN NANO POLYMER COMPOSITE FILMS FOR PACKING AND MEDICAL APPLICATION**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 19142897206.

In all future correspondence quote "19142897206/Ph.D./JAR10" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*[Signature]*  
 DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Signature]*  
 10/7/19

*[Signature]*  
 8/11/19

40



**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



**Dr. K.P. JAYA**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 036  
 Fax : +91-44-2220 1213  
 Email : dirresearch@annauniv.edu  
 dirresearch@gmail.com



Date : 04.07.2019

Lr.No.CFR/Ph.D/Admn/JUL/2019

To  
 Dr.S.S. Saravanakumar  
 Associate Professor  
 Department of Mechanical Engineering  
 Kamaraj College of Engineering and Technology  
 Virudhunagar - 626 001

Subject: Ph.D. Programme - Provisional Registration - Order - Issued.

Ref: Res. No. 33.06 of the 33<sup>rd</sup> Research Board Meeting held on 07.06.2019

\*\*\*\*

I am to inform that Mr./Ms. Vithya B is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Civil Engineering of Anna University, Chennai during JUL 2019 session under your guidance.

**Topic of Research: CHARACTERIZATION AND FABRICATION OF NATURAL FIBER REINFORCED POLYMER COMPOSITE FOR CIVIL ENGINEERING APPLICATIONS**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 19231897133.

In all future correspondence quote "19231897133/Ph.D/AR18" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*K.P. Jaya*  
 DIRECTOR  
 10/7/19  
 9/7/19

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

46



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annaiv.edu  
dirresearch@gmail.com



Date : 13.12.2017

Lr.No.CR/Ph.D./Admn/JAN/2018

To  
Dr.S.S Saravanakumar  
Associate Professor  
Department of Mechanical Engineering  
Kamaraj College of Engineering and Technology,  
Virudhunagar - 626001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 30.08 of the 30th Research Board Meeting held on 23.11.2017

\*\*\*\*

I am to inform that Mr./Ms. Loganathan L is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Mechanical Engineering of Anna University during January 2018 session under your guidance.

Topic of Research: **DEVELOPMENT AND PERFORMANCE ANALYSIS OF COMPLETELY BIODEGRADABLE POLYMER COMPOSITE FILMS FOR PACKAGING AND MEDICAL APPLICATIONS**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annaiv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 18132891124.

In all future correspondence quote " 18132891124/Ph.D.JAR9 " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Handwritten Signature]*  
13/12/17



Dr. R. JAYAVEL  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 22.06.2017

Lr.No.CR/Ph.D./Admn/JUL/2017

To  
Dr.S.S Saravanakumar  
Associate Professor  
Department of Mechanical Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar - 626001

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 29.06 of the 29th Research Board Meeting held on 13.06.2017

\*\*\*\*

I am to inform that **Mr./Ms. Ganesh Babu A** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Mechanical Engineering** of Anna University during JULY 2017 session under your guidance.

Topic of Research: **Characterization and fabrication of natural fiber composite for mechanical engineering application**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **17142897143**.

In all future correspondence quote " **17142897143/Ph.D.JAR18** " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

  
DIRECTOR

o

Individual.  
The Head of the Department / Director of the Centre.  
The Head of the Institution of the scholar.

  
22/6/17  
22/6

42



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 04/01/2022

Lr.No.CFR/Ph.D./Admn/JAN/2022

To  
Dr.P.Narayanasamy  
Assistant Professor  
Department of Mechanical Engineering  
Kamaraj College of Engineering and Technology  
K.Vellakulam, Virudhunagar - 625 701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 38.4.01 of the 38<sup>th</sup> Research Board Meeting held on 19.01.2022

\*\*\*\*

I am to inform that Mr.Devaraj S is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Mechanical Engineering** of Anna University, Chennai during **January 2022** session under your guidance.

Topic of Research: **INVESTIGATION OF HIGH PERFORMANCE POLYMER COATINGS ON ALUMINIUM ALLOY SUBSTRATE USING VARIOUS COATING TECHNIQUES**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **22142891153**.

In all future correspondence quote "22142891153/Ph.D./AR9" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*L. Kumar*  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*Prof. H. K. S. S. S.*  
4/1/22

(54)



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. K.P. JAYA**  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 20.01.2021

Lr.No.CFR/Ph.D./Admn/JAN/2021

To  
Dr.P.Narayanasamy  
Assistant Professor  
Department of Mechanical Engineering  
Kamaraj College of Engineering and Technology  
Madurai - 625 701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 36.09 of the 36<sup>th</sup> Research Board Meeting held on 03.11.2020

\*\*\*\*

I am to inform that **Mr.Kaliraj M** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Mechanical Engineering** of Anna University, Chennai during **January 2021** session under your guidance.

Topic of Research: **DEVELOPMENT OF ORGANIC - INORGANIC MATERIAL REINFORCED HYBRID POLYMER COMPOSITES**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **21132891132**.

In all future correspondence quote "**21132891132/Ph.D./AR9**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*K.P. Jaya*  
DIRECTOR  
20/01/2021

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*K.P. Jaya*  
20/01/2021



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 04.07.2019

Lr.No.CFR/Ph.D./Admn/JUL/2019

To  
Dr.P. Narayanasamy  
Assistant Professor  
Department of Mechanical Engineering  
Kamaraj College of Engineering and Technology  
Near Virudhunagar, Madurai - 625 701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 33.06 of the 33<sup>rd</sup> Research Board Meeting held on 07.06.2019

\*\*\*\*

I am to inform that **Mr./Ms. David Blessley-S** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Mechanical Engineering** of Anna University, Chennai during JUL 2019 session under your guidance.

Topic of Research: **INVESTIGATION OF MICROSTRUCTURE AND PROPERTIES OF NANO COATINGS ON TITANIUM ALLOY**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **19142897198**.

In all future correspondence quote "**19142897198/Ph.D./AR10**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

for **R. Vidyasamy**  
5/7/19  
DIRECTOR

**R.B.**  
4/7/19  
**SO**

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.





Dr. K.P. JAYA  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone: +91 44 2235 7305/2235 0361  
Fax: +91 44 2220 1213  
Email: dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 27.06.2018

Lr.No.CR/Ph.D./Admn/JUL/2018

To  
Dr.P.N Narayanasamy  
Assistant Professor  
Department of Mechanical Engineering  
Kamaraj College of Engineering and Technology  
Virudhunagar, Madurai - 625701

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 31.06 of the 31st Research Board Meeting held on 25.05.2018

I am to inform that Mr./Ms. Parthipan B K is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Mechanical Engineering of Anna University during JULY 2018 session under your guidance.

Topic of Research: **STUDIES ON ELASTIC - PLASTIC BEHAVIOUR OF MATERIALS FOR STRUCTURAL APPLICATIONS**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 18142897135.

In all future correspondence quote " 18142897135/Ph.D./AR10 " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the regulations from time to time.

*T. He*  
DIRECTOR *27/6/18*

Individual.  
ie Head of the Department / Director of the Centre.  
ie Head of the Institution of the scholar.

*K. E. G. S.*