



Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:19-07-2021

Department	BIOTECHNOLOGY	Application No.	202110226
Area of Research	ENVIRONMENTAL MANAGEMENT	Research Mode	PART TIME

Name :S. KARTHIGA
Date of Birth / Age :07-08-1994 / 26 Years
Gender :FEMALE
Category :BC
e-Mail ID :78.karthi@gmail.com
Mobile :8610671733



S. Karthiga

Father's/Husband's Name	P. VIVEK	Father's/Husband's Occupation	BUSINESS
Family Income	1500000	Residential Type	URBAN
Birth Place	MADURAI	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	294246660758	PAN No.	EMRPK7670F
Physically Challenged	NO	Type of Disability	-
Address for Communication: 28, KUTTIAPPA NAGAR, S. KODIKULAM, K.PUDUR (PO) MADURAI MADURAI DISTRICT TAMILNADU INDIA Pin-625007		Permenant Address: 4/641 MAHALAKSHMI NAGAR, I STREET, II CROSS STREET, K.PUDUR MADURAI MADURAI DISTRICT TAMILNADU INDIA Pin-625007	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
MASTERS IN ENGINEERING	ENVIRONMENTAL ENGINEERING	VELS INSTITUTE OF SCIENCE TECHNOLOGY AND ADVANCED STUDIES	2018	8.12	FIRST CLASS WITH DISTINCTION	REGULAR
BACHELOR OF TECHNOLOGY	BIOTECHNOLOGY	ANNA UNIVERSITY	2016	8.85	FIRST CLASS WITH DISTINCTION	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
202110226_210719213548	VHD40126229103	19-07-2021	600	SUCCESS

A Qualitative and Quantitative Analysis of Environment Management Systems across Manufacturing Industries in Tamilnadu

ABSTRACT

Environment Management Systems (EMS) are structured to guide organizations to understand, monitor and manage their impact on the environment, and improve environmental performance caused by their end products, activities and services. Every organization must have an EMS in place not only to ensure it functions in line with environmental policies meeting all the statutory compliances, but also, strives towards achieving environmental sustainability. Industries are bound to cause a huge impact on the environment through their daily activities. The more the industries utilize natural resources, the more they must be responsible towards reducing pollution, minimizing waste and raw material usage. The study plans to analyze and discuss the policy instruments available for environmental governance in our country. We also plan to carry out a comparative analysis on the environmental initiatives taken by manufacturing industries.

The study aims to develop a model with indicators majorly on the following themes:

- i) resource management and pollution control initiatives taken by the industries
- ii) legal and regulatory compliance followed by the industries
- iii) environment policy and planning initiatives taken by the industry

The study will further quantify the environmental performance by assessing using a Likert – scale. Further, it aims to develop an Environment Performance Index to evaluate the performance of industries in accordance with major environmental compliances.

This study will enlighten the current environmental management system trends that are in practice across the manufacturing industries. Using the evaluations done, the study will come up with a strategic approach, areas of improvement and new opportunities for different stakeholders for an efficient implementation of the Environment Management System.

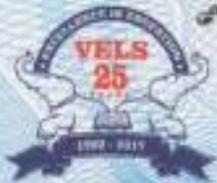
Sl.No. 01914



VELS



INSTITUTE OF SCIENCE, TECHNOLOGY
& ADVANCED STUDIES (VISTAS)
(DEEMED TO BE UNIVERSITY EM. 3 OF THE UGC ACT, 1956)
NAAC ACCREDITED
PALLAVARAM - CHENNAI - INDIA



Reg. No.: 16809104

FACULTY OF ENGINEERING

The Board of Management of the
VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)

hereby makes known that

KARTHIGA S

has been admitted to the Degree of

MASTER OF ENGINEERING

ENVIRONMENTAL ENGINEERING

he/she having been certified by duly appointed examiners
to be qualified to receive the same and has been placed in the

FIRST CLASS WITH DISTINCTION

at the examination held in **MAY 2018**

Given under the seal of the VISTAS



Dated: 23 APR 2019

Pallavaram,
Chennai - 117,
INDIA

Controller of Examinations

Registrar

Vice-Chancellor

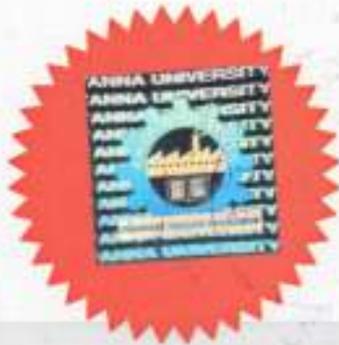
Anna University



Reg.No. 211612214041/RG

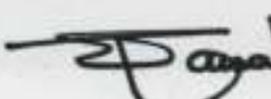
The Syndicate of the Anna University hereby makes known that
KARTHIGA S *has been admitted to the* **DEGREE OF BACHELOR OF TECHNOLOGY** *in* **BIOTECHNOLOGY** *under the Faculty of Technology, having completed the prescribed programme of study and having been certified by the duly appointed examiners to be qualified to receive the same, and has been placed in* **FIRST CLASS WITH DISTINCTION** *at the Examination held in* **APRIL 2016.**

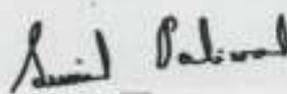
Given under the Seal of the University



Chennai 600 025
India
May 2017
ANNA UNIVERSITY


Controller of Examinations


Registrar


Chairman, Convener Committee
Vice-Chancellor



VELS

INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)

(DEEMED TO BE UNIVERSITY Etd. u/s 3 OF THE UGC ACT, 1956)

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PALLAVARAM - CHENNAI - INDIA

CONSOLIDATED GRADE SHEET

CHOICE BASED CREDIT SYSTEM

Sl. No. PC 0030



DEGREE M.E.		BRANCH ENVIRONMENTAL ENGINEERING				ACADEMIC YEAR 2016 - 2018		YEAR OF COMPLETION MAY 2018		
NAME OF THE CANDIDATE KARTHIGA S					SEX F	DATE OF BIRTH 07-08-1994	REGISTER NO. 16809104	SERIAL NO. T180030		
SEM	COURSE	COURSE CODE	COURSE DESCRIPTION	CR	GP	GR	RESULT	MONTH & YEAR OF PASSING		
1	CORE	15CMEE11	STATISTICS FOR ENVIRONMENTAL ENGINEERS	4	8	A	PASS	NOV-2016		
1	CORE	15CMEE12	ENVIRONMENTAL CHEMISTRY	4	8	A	PASS	NOV-2016		
1	CORE	15CMEE13	DESIGN OF BIOLOGICAL TREATMENT SYSTEMS	4	8	A	PASS	NOV-2016		
1	CORE	15CMEE14	INDUSTRIAL WASTEWATER TREATMENT	4	8	A	PASS	NOV-2016		
1	DSE	15DMEE11	OCCUPATIONAL HEALTH AND SAFETY IN INDUSTRIES	3	9	A+	PASS	NOV-2016		
1	CORE	15SMEE11	SEMINAR - I	2	10	O	PASS	NOV-2016		
2	CORE	15CMEE21	DESIGN OF PHYSIO-CHEMICAL TREATMENT SYSTEMS	4	9	A+	PASS	MAY-2017		
2	CORE	15CMEE22	SOLID AND HAZARDOUS WASTE MANAGEMENT	4	9	A+	PASS	MAY-2017		
2	CORE	15CMEE23	ENVIRONMENTAL IMPACT AND RISK ASSESSMENT	4	9	A+	PASS	MAY-2017		
2	DSE	15DMEE21	ENVIRONMENTAL ENGINEERING STRUCTURE	3	8	A	PASS	MAY-2017		
2	GE	15GMEE21	QUALITY AND SAFETY MANAGEMENT	3	9	A+	PASS	MAY-2017		
2	CORE	15PMEE21	PRACTICAL - ENVIRONMENTAL CHEMISTRY AND MICROBIOLOGY	3	7.5	B+	PASS	MAY-2017		
3	DSE	15DMEE31	AIR POLLUTION MONITORING AND CONTROL	3	9	A+	PASS	NOV-2017		
3	DSE	15DMEE32	WATER QUALITY MODELLING	3	9	A+	PASS	NOV-2017		
3	GE	15GMEE31	DISASTER MANAGEMENT	3	10	O	PASS	NOV-2017		
3	CORE	15PMEE31	INPLANT TRAINING	2	10	O	PASS	NOV-2017		
3	CORE	15RMEE31	PROJECT WORK - PHASE I	9	9	A+	PASS	NOV-2017		
4	CORE	15RMEE41	PROJECT WORK - PHASE II	18	6	C	PASS	MAY-2018		
*** End of Statement ***										



CUMULATIVE PERFORMANCE			
Course	Credits Registered		Credits Acquired
CORE	62		62
DSE	12		12
GE	6		6
Total Credits : 80	C.G.P.A : 8.12	Grade : A	Class : First Class With Distinction

Medium of Instruction - English RA - Reappear AAA - Absent CR - Credit GR - Grade GP - Grade Point SEM - Semester

Chennai - 600 117

Date : 18/07/2018



This statement of Grades is issued without any corrections.

Controller of Examinations



VELS UNIVERSITY



VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)

(Deemed to be University Estd. u/s 3 of the UGC Act, 1956)

NAAC ACCREDITED

PALLAVARAM - CHENNAI - INDIA

A:16118

SL. No. : T180030



* * * * *

PROVISIONAL CERTIFICATE

Registration No.:16809104

This is to certify that **KARTHIGA S**

has qualified for the degree of **M.E.-ENVIRONMENTAL ENGINEERING**

he/she having passed the above degree examination held in **MAY 2018** and placed in

FIRST CLASS WITH DISTINCTION He / She has secured a CGPA of **8.12**

Pallavaram, Chennai - 600 117

Date : 18-Jul-2018



Controller of Examinations

JOURNAL PUBLICATIONS

- Published a paper titled “The effect of herbal concoction on the growth, meat quality and immune response of broilers” on “International Journal of Applied Engineering Research” [ISSN 973 – 4562 volume 10, number 13, 2015]
- Published a paper titled “A Study on the Concept of Reutilization of litter in Broiler Poultry Farms” on “International Journal of Engineering Research and Advanced Sciences” [ISSN 2091 – 2730 Volume 6 Issue 1, 2018]
- Published a paper titled “Methodologies for re-use of poultry litter in broiler poultry farms – A Review” on “ International Journal of Civil Engineering and Technology” [ISSN: 0976-6316 Volume 9 Issue 4, 2018]

ACHIEVEMENTS

- Anna University rank holder at the department of Biotechnology (B.Tech.,) in the 2015-2016 batch.
- Second runner up for Prof. V.N.Srinivasan Award at iQuest – 15 conducted by the Innovative Project Cell at Rajalakshmi Engineering College, for the project titled ‘Herbie’

PROJECTS

I. **Project Title:** A Study on the Concept of Reutilization of litter in Broiler Poultry Farms

Location: Vels Institute of Science Technology and Advanced Studies, Chennai, Tamilnadu

Description: The rapid growth in poultry sector makes it inevitable to address the environmental issues that arise due to it. The inefficient management of wastes from the poultry farms poses serious threat to our environment. Poultry litter is the major solid waste generated from a farm. On reusing litter the solid waste generated from the poultry farms could be minimized. Owing to the inefficiency in the waste disposal methods, the concept of reducing the waste from its point of generation by reusing it is alluring. This study opens a gateway for poultry litter management in India thereby lowering the stress of waste disposal on our environment.

II. **Project Title:** Cloning of pre-MIR 137 in *Rattus norvegicus* to study the regulation of NR2A receptor in schizophrenia

Location: Rajiv Gandhi Centre for Biotechnology, Trivandrum, Kerala

Description: Schizophrenia is a severely challenging and chronic mental disorder, the etiology of which remains a mystery. Regulation of the transcription and translation mechanisms by non-coding RNAs is one of the profound epigenetic mechanisms influencing schizophrenia. The microRNA, miR-137 is quite well known for regulating the phenotype of brain and the receptors involved in signal transduction in the nervous system. Our objective is to clone MIR137 gene into pGEM-T Easy vector which can be used for different assays that will in-turn help in uncovering the mechanism of the interaction of miR-137 with its targets in schizophrenia.

III. Project Title : The effect of herbal concoction on the growth, meat quality and immune response of broilers

Location : Rajalakshmi Engineering College, Chennai

Description : Broiler chickens are one of the cheapest sources of protein that is consumed widely by people all around the world. These broiler chicks due to less resistance are easily susceptible to diseases such as Infectious Bronchitis and Newcastle disease causing great economic loss to farmers. Moreover, consuming broilers that are reared using, artificial growth promoters and antibiotics leads to the development of antimicrobial resistant bacteria in humans, breast cancer in women and abnormal growth in children. This newly devised method of poultry farming involves supplementing the chicks with a herbal concoction through drinking water instead of the vaccines, antibiotics and growth promoters that are used regularly.

INTERNATIONAL CONFERENCES

- Attended ‘International Conference on Advances in Biotechnology, Civil and Mechanical Science’ at Selvam College of Technology, Namakkal and presented a paper on “The effect of herbal concoction on the growth, meat quality and immune response of broilers”.
- Participated in a National Level Technical Symposium on Recent Trends in Biotechnology held at Sree Sastha Institute of Engineering and Technology, Chennai.

आयकर विभाग

INCOME TAX DEPARTMENT

S KARTHIGA

SARAVANAN

07/08/1994

Permanent Account Number

EMRPK7670F

S Karthiga
Signature



भारत सरकार

GOVT. OF INDIA





இந்திய தேர்தல் ஆணையம்
Election Commission of India



வாக்காளர் முகப்புட அடையாள அட்டை. ELECTOR PHOTO IDENTITY CARD



SOL1454982



வாக்காளரின்: கார்த்திகா

பெயர்

Elector's Name: KARTHIGA

உறவினரின்: சரவணன்

பெயர்

Relation's Name: SARAVANAN

भारत निर्वाचन आयोग

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./Ms./Mrs. S. KARTHIKA is
employed as Manager - Costifications (Designation) in the
Environment division (Department/Division Name)
of Hindustan Technical Services, madurai
(Institution/Industry Name).

We have no objection in forwarding his/her application for the Ph.D. Research Programme.

FOR FULL TIME:

The candidate will be sanctioned leave for the duration of the research programme and will be relieved from duty from _____ to _____ to undertake the full time research work in the University.

FOR PART TIME:

The candidate will be permitted to undertake part time study in the University/College and will be allowed to be present for discussions with the supervisor, attending course works, conduct of experiments and participations in seminars and related presentations. Further the required facilities at our organization will also be provided to the candidate for doing research.

Date: 19/9/2021

Signature of the Head of Organization with office seal

