



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

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:29-11-2020

Department	BIOTECHNOLOGY	Application No.	202020033
Area of Research	CELL BIOLOGY	Research Mode	FULL TIME

Name :NAGA PRIYA DHARSHINI D
Date of Birth / Age :22-12-1994 / 26 Years
Gender :FEMALE
Category :BC
e-Mail ID :dnagapriya22@gmail.com
Mobile :9095965009



Naga Priya Dharshini

Father's/Husband's Name	ARUNKUMAR D	Father's/Husband's Occupation	DEPUTY MANAGER
Family Income	7 LAKHS	Residential Type	URBAN
Birth Place	RAJAPALAYAM	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	716518933336	PAN No.	ARJPN7020M
Physically Challenged	NO	Type of Disability	-
Address for Communication: 41/A MADASAMY KOVIL STREET RAJAPALAYAM VIRUDHUNAGAR DISTRICT TAMIL NADU INDIA Pin-626117		Permenant Address: 2/1087 STATE BANK COLONY, SATCHIYAPURAM SIVAKASI VIRUDHUNAGAR DISTRICT TAMIL NADU INDIA Pin-626124	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
M.TECH	BIOTECHNOLOGY	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	2019	9.15	EXEMPLAR	REGULAR
B.TECH	BIOTECHNOLOGY	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	2016	8.16	FIRST	REGULAR

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
202020033_201230160140	VHMP9609350600	30-12-2020	600	SUCCESS

Research Proposal

Cancer is a disease that is characterized by any malignant tumor or growth resulting from the abnormal or uncontrolled division of cells. Cancer arises from transformation of normal cells into tumor cells in multistage process. Liver cancer is the growth and spread of unhealthy cells in the liver that starts as primary liver cancer. Cancer that spreads to other organs is called as metastatic liver cancer. Hepatocellular Carcinoma(HCC) is a primary malignancy of the liver and occurs predominantly in patients with chronic liver disease and cirrhosis. Liver cancer is a major health problem world-wide and is the fifth most common cancer in men. Hepatocellular carcinoma(HCC) accounts for 70 to 85% of primary malignancy tumor of liver and it is frequently associated with chronic inflammation in the liver induced by persistent infection with hepatitis B and hepatitis C virus along with some toxins and other reactive oxygen species(ROS). The main treatment of primary liver cancer are surgery and chemotherapy.

Siddha medicine consists of large numbers of herbs with medicinal and pharmacological importance. The herbal medicines have a vital role in the prevention and treatment of cancer which execute their therapeutic effect by inhibiting cancer activating enzymes and hormones, stimulating DNA repair mechanism, promoting production of protective enzymes inducing anti-oxidant action and enhancing immunity. Phytochemicals derived from traditional medicinal plants have been found to possess anticancer and chemo protective effects. They are safer for long-term use in cancer patients. Many anticancer agents obtained from plant source have achieved pre-clinical or clinical development. Karisalai karpam chooranam is one of the siddha poly herbal drug consists of 7 different medicinal plants *Eclipta prostrata* (Karisalankanni), *Wedelia calendulacea* (Manjal karisalai), *Indigofera tinctoria* (Avuri), *Sphranthus indicus* (Kottakarandai), *Centella asiatica* (Vallarai), *Acalypha indica* (Kuppaimeni), *Coldenia procumbens* (Siruseruppada) used to cure liver disorder such as jaundice, enlargement of liver and spleen, anemia and hepatosplenomegaly.

The effect of karisalai karpam chooranam against hepatocellular carcinoma cell lines and effective dose level of the component is evaluated by anticancer activity tests – MTT assay, Annexin V and Propidium iodide staining, DNA fragmentation assay, Cell cycle arrest by flow cytometry and Real time PCR (Caspase 9, Cytochrome C, Bax and Bcl2) using hepG2 cell lines. It is proved that karisalai karpam chooranam has anticancer activity. Future work is to perform study in *in vivo* model to find out the efficacy of karisalai karpam chooranam.

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INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University Under Section 3 of UGC Act, 1956)



*The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **NAGA PRIYA DHARSHINI. D** has been admitted to the Degree of **MASTER OF TECHNOLOGY in BIOTECHNOLOGY** under the **SCHOOL OF BIO AND CHEMICAL ENGINEERING**, having completed the prescribed programme of study and having been certified by duly appointed examiners to be qualified to receive the same, and has been placed in **FIRST CLASS - EXEMPLARY** at the examination held in **MAY 2019**.*

Given under the seal of the Institution

Vice Chancellor

Chancellor



Dated : July 28, 2019



Jeppiaar Nagar, Chennai-600119,
Tamil Nadu, INDIA.

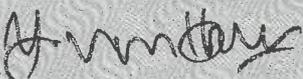


Student Name : NAGA PRIYA DHARSHINI. D

Register Number : 37810002

The details in the Barcode (Reg.No., Name, DOB, Course Code, Course Name, Grade secured in each course, etc..) can be viewed in a tabulated format by downloading the "Barcode Reader Software" from www.sathyabama.ac.in/download.php. 2D Barcode scanner is to be used to read the Barcode for verification of grade secured by the candidate.



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Verified By	





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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, India.

Sl.No.: T 18003674

TRANSFER CERTIFICATE

Folio No : 010619TC02799

Date : 02-May-2019



1. Name of the Student in full : **NAGA PRIYA DHARSHINI. D**
2. Register Number : **37810002**
3. Name of the Parent/Guardian : **DHANASEKARAN**
4. Nationality : **INDIAN**
5. Date of Birth as entered in the Institution Records : **22-DEC-1994**
6. Programme / Branch to which the student was admitted : **M.TECH
[BIOTECHNOLOGY]**
7. Date of Admission to the Programme : **09-AUG-2017**
8. Medium of Instruction during the programme of study : **ENGLISH**
9. Semester studied at the time of leaving the programme : **FINAL SEMESTER**
10. Whether he/she has completed the programme : **YES**
11. Month & Year of Programme Completion : **MAY-2019**
12. Whether he / she has qualified to pursue higher studies : **REFER TO SEMESTER EXAM GRADE SHEETS**
13. If he / she has discontinued the programme, Date of leaving : **NOT APPLICABLE**
14. Character & Conduct during the programme of study : **GOOD**




Dr. S. Igni Sabasti Prabu
Controller of Examinations


Dr. S.S.Rau
Registrar



आयकर विभाग
INCOME TAX DEPARTMENT



भारत सरकार
GOVT. OF INDIA

D NAGA PRIYA DHARSHINI
DHANASEKARAN
22/12/1994



Permanent Account Number

ARJPN7020M

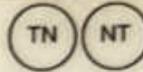
D Naga Priya Dharshini

Signature





India Driving Licence(Tamil Nadu)



TN84 2018 0004548



Date of Issue

30-05-2018

Validity

NT 29-05-2038

Nationality

INDIA

Date of Birth

22-12-1994

Blood Group

O+



Name

NAGA PRIYA DHARSHINI D

Father's Name

DHANASEKARAN C



TN84 2018 0004548



MCWOG

30-05-2018
TN84

LMV

30-05-2018
TN84

Mobile No. *****5009

Badge No. NIL

Badge Dt:

Endorsement Date

30-05-2018

Endorsement No.

TN84 /PDL/0004548/2018

Present Address

JEYASAKTHI DRIVING SCHOOL,
Rajapalayam, Virudhunagar, TN, 626117

Permanent Address

41/A MADASAMY KOVIL STREET,
Rajapalayam, Virudhunagar, TN, 626117



Form 7 Rule 16(2)

D. Naga Priya Dharshini

Holder's Signature

[Signature]

Assistant Licensing Authority

RTO, SRIVILLIPUTHUR,