
	<b>DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS)</b> Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
<b>NAAC</b>	<b>CRITERIA – III</b>	<b>METRIC 3.7.1</b>

3.7.1	<b>List of the collaborative activities in linkage with functional mou during the year</b>
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SNO	NAME OF ACTIVITY	NUMBER OF PARTICIPANTS	COLLABRATIVE MOU
1.	International webinar	250	Division Of Basic Science and Research,Medical university Of South Carolina, Charleston, USA(Biochemistry)
2.	Project work	25	Greensoft technologies,Trichy
3	International webinar	250	Proalgae tech-Algae business and technical support, consultant instuttgart,Germany,Baden-Wuttemberg.
5	International webinar	200	Federal TVT institue ,Ethiopia.
6	External staff training programme	10	Biolive analytical center,Karaikudi
7.	Hands on training	4	Genolites research and development

7		4	laboratory
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**DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR WOMEN  
(AUTONOMOUS)**

**(Nationally Re-accredited with 'A' Grade by NAAC)  
Perambalur – 621 212. Tamil Nadu**



**DEPARTMENT OF BIOCHEMISTRY  
BIOPEARL ASSOCIATION**

**DEPARTMENT OF BIOCHEMISTRY**

**&**



**DIVISION OF BASIC SCIENCE AND RESEARCH, MEDICAL UNIVERSITY OF SOUTH CAROLINA,  
CHARLESTON, USA**

*Cordially invites for the*

**INTERNATIONAL WEBINAR**

**ON**

**•TREATMENT STRATEGIES FOR AGE-RELATED MACULAR  
DEGENERATION BY COMPLEMENT INHIBITION**

**RESOURCE PERSON**

**DR.BALASUBRAMANIAMANNAMALAI**

**Staff Scientist, Department of Ophthalmology,**

**Medical University of South Carolina, USA**

**Date: 23.12.2022**

**Time:9.30 am**

**Venue-B-Block-Auditorium**

**link:[meet.google.com/gbi-zhvt-aaz](https://meet.google.com/gbi-zhvt-aaz)**

**e-CERTIFICATE WILL BE PROVIDED FOR ALL THE PARTICIPANTS**

**ALL ARE WELCOME**



**DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR  
WOMEN (AUTONOMOUS)**

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**PERAMBALUR 62121**

**DEPARTMENT OF BIOCHEMISTRY**

**&**



**DIVISION OF BASIC SCIENCE AND RESEARCH, MEDICAL UNIVERSITY OF SOUTH CAROLINA,  
CHARLESTON, USA**



**REPORT ON INTERNATIONAL WEBINAR-  
TREATMENT STRATEGIES FOR AGE RELATED MACULAR DEGENERATION BY COMPLEMENT  
INHIBITION**

Department of Biochemistry of Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous) has organized an international webinar on the topic “TREATMENT STRATEGIES FOR AGE RELATED MACULAR DEGENERATION BY COMPLEMENT INHIBITION” on 23<sup>rd</sup> December 2022. Dr. Balasubramaniam Annamalai, Staff Scientist, Department of Ophthalmology, Medical University of South Carolina, USA was the resource person for the program.

The program started with the blessings of God Almighty and with all the heartfelt wishes from our Chancellor Ayya ,Dr. Srinivasan. The welcome address was delivered by Dr. K. Subasankari, Assistant Professor, Department of Biochemistry .The lamp was lit by Dr. Uma devi pongaiya, Principal Dhanalakshmi Srinivasan College of Arts and Science for Women(Autonomous) and Dr. C. Surya, Assistant Professor and Head, Department of Biochemistry and Ms. M. Sujithra , Assistant Professor, Department of Biochemistry with students of the Department.

Dr. C. Surya ,delivered the chief guest introduction, followed by that the resource person take over the session. The Guest speaker, Dr. Balasubramaniam Annamalai has clearly delivered the session about Age related Macular Degeneration (AMD) which is one of the leading cause of retinal damage of people in group of 50 and above and its impacts in the vision. The resource person has explained encapsulation techniques for AMD and how it can be cured. Moreover the speaker has delineates about animal handling techniques and treatment of the disorder. The session was excellently handled by the resource person who was having a helpful mind to clear all the queries of the participants.

The session was a great success and informative for all the life science participants , and the topic has given a new era of research for students and more ideas about how to invest their future in a research field. The session has opened the way for interesting and innovative areas that are having future application. The vote of thanks was given by Vanmathi of first PG Biochemistry.

The program was hopefully ended by the National Anthem.

தனலட்சுமி சீனிவாசன் பெண்களுக்கான கலை மற்றும் அறிவியல் கல்லூரி

(தன்னாட்சி)

திருச்சிராப்பள்ளி பாரதிதாசன் பல்கலைக்கழகத்துடன்

இணைக்கப்பட்டுள்ளது

(NAAC ஆல் 'A' கிரேடுடன் தேசிய அளவில் மறு அங்கீகாரம் பெற்றது)

பெரம்பலூர்- 621212

உயிர் வேதியியல் துறை- அறிக்கை



மற்றும்



அடிப்படை அறிவியல் மற்றும் ஆராய்ச்சி பிரிவு, தென் கரோலினாவின் மருத்துவப்

பல்கலைக்கழகம், சார்லஸ்டன், அமெரிக்கா

சர்வதேச வெபினாரில் –(INTERNATIONAL WEBINAR)

நிரப்புதல் தடுப்பு மூலம் வயது தொடர்பான மாகுலர் சிதைவுக்கான சிகிச்சை உத்திகள்

(TREATMENT STRATEGIES FOR AGE RELATED MACULAR DEGENERATION BY COMPLEMENT

INHIBITION)

தனலட்சுமி சீனிவாசன் பெண்களுக்கான கலை மற்றும் அறிவியல் கல்லூரியின் (தன்னாட்சி) உயிர்வேதியியல் துறை, 23 டிசம்பர் 2022 அன்று “வயது தொடர்பான மாகுலர் சிதைவுக்கான சிகிச்சை உத்திகள்” என்ற தலைப்பில் ஒரு சர்வதேச வெபினாரை ஏற்பாடு செய்துள்ளது. டாக்டர் எஸ். டாக்டர்.பாலசுப்ரமணியம் அண்ணாமலை, அமெரிக்காவின் தென் கரோலினாவின் மருத்துவப் பல்கலைக்கழகத்தின் கண் மருத்துவம் இந்த திட்டத்திற்கான ஆதார நபராக இருந்தார்.

எல்லாம் வல்ல இறைவனின் ஆசியோடும், நமது அதிபர் அய்யா டாக்டர் சீனிவாசன் அவர்களின் இதயப்பூர்வமான வாழ்த்துக்களோடும் நிகழ்ச்சி தொடங்கியது. உயிர் வேதியியல் துறை உதவிப் பேராசிரியை டாக்டர் கே.சுபசங்கரி வரவேற்றுப் பேசினார். டாக்டர் உமாதேவி பொங்கையா, முதல்வர் தனலட்சுமி சீனிவாசன் மகளிர் கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி) டாக்டர் சி.சூர்யா ஆகியோர் விளக்கேற்றினர். துணைப் பேராசிரியர் மற்றும் தலைவர், உயிர் வேதியியல் துறை மற்றும் எம்.சுஜித்ரா, துணைப் பேராசிரியை, உயிர் வேதியியல் துறை மாணவர்களுடன்.

முனைவர் சி.சூர்யா பிரதம அதிதி அறிமுகத்தை வழங்கினார், அதைத் தொடர்ந்து வளவாளர் அமர்வை ஏற்றுக்கொண்டார். விருந்தினராகப் பேசிய டாக்டர்.பாலசுப்ரமணியம் அண்ணாமலை, 50 மற்றும் அதற்கு மேற்பட்ட குழுவில் உள்ளவர்களின் விழித்திரை பாதிப்பு மற்றும் பார்வையில் ஏற்படும் பாதிப்புகளுக்கு

முக்கிய காரணமான வயது தொடர்பான மாகுலர் டிஜெனரேஷன் (AMD) பற்றிய அமர்வை தெளிவாக வழங்கியுள்ளார். AMDக்கான இணைத்தல் நுட்பங்கள் மற்றும் அதை எவ்வாறு குணப்படுத்தலாம் என்பதை வள நபர் விளக்கியுள்ளார். மேலும் பேச்சாளர் விலங்குகளைக் கையாளும் நுட்பங்கள் மற்றும் கோளாறுக்கான சிகிச்சையைப் பற்றி விவரிக்கிறார். பங்கேற்பாளர்களின் அனைத்து வினாக்களையும் தெளிவுபடுத்த உதவும் மனப்பான்மை கொண்ட வளவாளர் இந்த அமர்வை சிறப்பாகக் கையாண்டார்.

இந்த அமர்வு அனைத்து வாழ்க்கை அறிவியல் பங்கேற்பாளர்களுக்கும் ஒரு பெரிய வெற்றியாகவும் தகவலறிந்ததாகவும் இருந்தது. மேலும் தலைப்பு மாணவர்களுக்கு ஆராய்ச்சியின் புதிய சகாப்தத்தை அளித்தது மற்றும் அவர்களின் எதிர்காலத்தை ஆராய்ச்சி துறையில் எவ்வாறு முதலீடு செய்வது என்பது பற்றிய கூடுதல் யோசனைகளை வழங்கியது. இந்த அமர்வு எதிர்காலத்தில் பயன்பெறும் சுவாரஸ்யமான மற்றும் புதுமையான பகுதிகளுக்கான வழியைத் திறந்துள்ளது. முதல் பிஜி உயிர் வேதியியல் பிரிவு வான்மதி நன்றி கூறினார்.

தேசிய கீதத்துடன் நிகழ்ச்சி இனிதே நிறைவுற்றது.







& STUDENTS

ALL ARE





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This is to Certify that Ms.S. AAFILA BANU (Reg.No:P21CS001) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "EVENT DETECTION ON TWITTER BY MAPPING UNEXPECTED CHANGES IN STREAMING DATA INTO A SPATIOTEMPORAL LATTICE" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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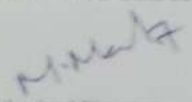
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This is to Certify that Ms.A. AARTHI (Reg.No:P21CS002) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "CHALLENGES AND COUNTERMEASURES FOR ADVERSARIAL ATTACK ON DEEP REINFORCEMENT LEARNING" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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This is to Certify that Ms.S. ABIRAMI (Reg.No:P21CS003) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "MISSING AIR POLLUTION DATA RECOVERY BASED ON LONG-SHORT TERM CONTEXT ENCODER" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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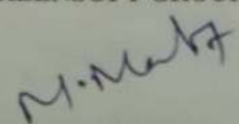
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This is to Certify that Ms.S. ABIRAMI (Reg.No:P21CS004) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "A MULTI-OBJECTIVE OPTIMIZATION SCHEME FOR JOB SCHEDULING IN SUSTAINABLE CLOUD DATA CENTERS" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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This is to Certify that Ms.V. ATCHAYASRI (Reg.No:P21CS005) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "ATTRIBUTE BASED ENCRYPTION WITH PRIVACY PROTECTION AND ACCOUNTABILITY FOR CLOUDIOT" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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This is to Certify that **Ms.K. DHIVYA BHARATHI (Reg.No:P21CS006)** Final year **M.Sc (Computer Science)** student of **Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur** has done her project work titled **"ACCURATE FAULT LOCATION USING DEEP NEURAL EVOLUTION NETWORK WITH CLOUD DATA CENTER INTERCONNECTION"** in our organization during the period from **01-03-2023** to **31-03-2023** in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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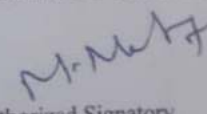
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This is to Certify that Ms.C. INDUMATHI (Reg.No:P21CS007) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "REAL TIME TRAFFIC FLOW DETECTION SYSTEM BASED ON VIDEO IMAGE PROCESSING" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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This is to Certify that Ms.M. ISWARYA (Reg.No:P21CS008) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "DOMAIN-SPECIFIC BAYESIAN DEEP-LEARNING APPROACH FOR AIR POLLUTION" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

For GREENSOFT GROUPS

*M. Math*

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This is to Certify that Ms.G. KALAIVANI (Reg.No:P21CS009) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "SMART IRRIGATION SYSTEM USING MACHINE LEARNING TECHNIQUES" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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## TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms.S. KATHEEJA BEGAM (Reg.No:P21CS010) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "LOW LIGHT IMAGE ENHANCEMENT DIFITAL IMAGES USING CORRELATION ALGORITHM" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

For GREENSOFT GROUPS

Authorized Signatory

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Ph:0431 - 4542354

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Phone : 0431 - 4542354, Mobile : +91 - 77080 07655



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**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms.M. MANIMEKALAI (Reg.No:P21CS011) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "OFF-DEPLOYMENT TRAFFIC ESTIMATION — A TRAFFIC GENERATIVE ADVERSARIAL NETWORKS APPROACH" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

For GREENSOFT GROUPS

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**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms.S. MOHANA PRIYA (Reg.No:P21CS012) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "BLOCK CHAIN SYSTEM FOR SECURITY DATA COLLECTION IN MANET" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

**For GREENSOFT GROUPS**

*M. Mohan*  
Authorized Signatory

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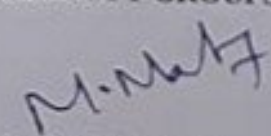
Trichy

### TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms.M. MOHANAVARSHINI (Reg.No:P21CS013) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "SECURE AND EFFICIENT IMPROVED BLOCKCHAIN BASED DATA STORAGE AND AUTHENTICATION IN IOT" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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Authorized Signatory

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**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms.M. NEHALA (Reg.No:P21CS014) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "NPP: A NEW PRIVACY-AWARE PUBLIC AUDITING SCHEME FOR CLOUD DATA SHARING WITH GROUP USERS." in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

For GREENSOFT GROUPS

*M. Nehal*  
Authorized Signatory

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Thillainagar, Trichy - 620 018.  
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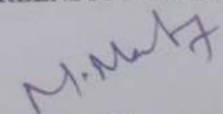
31-03-2023  
Trichy

**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms.G. NISHA (Reg.No:P21CS015) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "ROBUST IMAGE FORGERY DETECTION AGAINST TRANSMISSION OVER ONLINE SOCIAL NETWORKS" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms.J. NIVETHA (Reg.No:P21CS016) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "ATTACKS ON DATA -DRIVEN PROCESS MONITORING SYSTEM SUBSPACE TRANSFER NETWORK" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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## TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms.P. PRASANNADEVI (Reg.No:P21CS017) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "A NEW GENERATION DEEP LEARNING FOR VIDEO OBJECT DETECTION" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that **Ms.M. RAJESHWARI (Reg.No:P21CS018)** Final year **M.Sc (Computer Science)** student of **Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur** has done her project work titled **"AN EFFICIENT AND USABLE CLIENT-SIDE PHISHING DETECTION"** in our organization during the period from **01-03-2023** to **31-03-2023** in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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## TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms.S. SHARMILA (Reg.No:P21CS020) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "A NEW GENERATION OF CLOUD BACKUP TOOL BASED ON LOCK-FREE DEDUPLICATION" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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## TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms.K. SOWMIYA (Reg.No:P21CS021) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "FAKE PROFILE DETECTION ON SOCIAL NETWORKS USING MACHINE LEARNING ALGORITHM" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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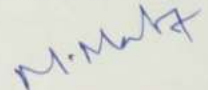
31-03-2023  
Trichy

**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms.S. SUBASHREE (Reg.No:P21CS022) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "VERIFIABLE SEARCHABLE ENCRYPTION FRAMEWORK AGAINST INSIDER KEYWORD-GUESSING ATTACK IN CLOUD STORAGE" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

For GREENSOFT GROUPS

  
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## TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms.B. SUVALAKSHMI (Reg.No:P21CS023) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "MALICIOUS NODE DETECTION SCHEME BASED ON CORRELATION OF DATA AND NETWORK TOPOLOGY IN FOG COMPUTING-BASED VANETS" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

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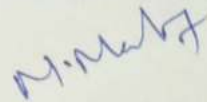
31-03-2023  
Trichy

**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Ms.A. SWARNALAKSHMI (Reg.No:P21CS024) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "ARIMA AND TRIPLES EXPONENTIAL SMOOTHING BASED REAL TIME PREDICTION OF DOCKER CONTAINER RESOURCE ALLOCATION." in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

For GREENSOFT GROUPS

  
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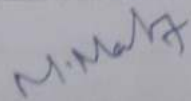
31-03-2023  
Trichy

## TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms.V. VAISHNAVI (Reg.No:P21CS025) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "RESOURCE ALLOCATION AND CONSENSUS OF BLOCKCHAINS IN PERVASIVE EDGE COMPUTING ENVIRONMENTS" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

For GREENSOFT GROUPS

  
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Phone : 0431 - 4542354, Mobile : +91 - 77080 07655

Mail ID : [info@thillainagarsoftgroups.com](mailto:info@thillainagarsoftgroups.com) Website : [www.greensoftgroups.com](http://www.greensoftgroups.com)





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### TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms.R. VANITHA (Reg.No:P21CS026) Final year M.Sc (Computer Science) student of Dhanalakshmi Srinivasan College of Arts and Science for women (Autonomous), Perambalur has done her project work titled "A BLOCKCHAIN-BASED MULTI-CLOUD STORAGE DATA AUDITING" in our organization during the period from 01-03-2023 to 31-03-2023 in our company.

During this Period Her Conduct and Character were good and always been positive we wish his all the best in the future.

For GREENSOFT GROUPS

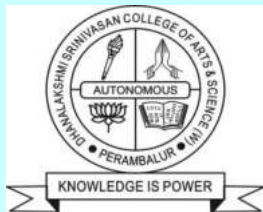
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**DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE  
FOR WOMEN (AUTONOMOUS)  
(Nationally Re-accredited with 'A' Grade by NAAC)  
Perambalur – 621 212. Tamil Nadu**



**DEPARTMENT OF BIOCHEMISTRY  
BIOPERAL ASSOCIATION**

**&**



**RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY (A) &  
NAAC-A+, ANDHRA PRADESH, INDIA**

*Cordially invites you for the*

**WEBINAR ON**

**"NANO TECHNOLOGY  
METHODOLOGIES IN RESEARCH &  
ITS ADVANCED APPLICATION"**

**RESOURCE PERSON**

**Dr. AVOLA BALAKRISHNA**

Associate Professor and HOD,  
Department of Chemistry,

Rajeev Gandhi Memorial College of Engineering and Technology, Andhra Pradesh.

**Date: 20.10.2022**

**Time: 2:00pm**

<http://meet.google.com/gbi-zhvt-aaz>

**E-CERTIFICATE WILL BE PROVIDED**

**ALL ARE WELCOME**

The Management, Principal,  
Vice Principal, Dean-Admin,  
Dean of Academics

HoD, Staff & Students



**DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR  
WOMEN (AUTONOMOUS)  
(Nationally Re-accredited with 'A' Grade by NAAC)  
Perambalur – 621 212. Tamil Nadu**



**DEPARTMENT OF BIOCHEMISTRY  
BIOPERAL ASSOCIATION**

**&**



**RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY (A) &  
NAAC-A<sup>+</sup>, ANDHRA PRADESH, INDIA**

**WEBINAR ON “NANO TECHNOLOGY METHODOLOGIES IN RESEARCH  
AND ITS ADVANCED APPLICATION”**

**1. Objective-**

- Know about the “NANO TECHNOLOGY METHODOLOGIES IN RESEARCH AND ITS  
ADVANCED APPLICATION”

**2. Agenda (Date & Time, Guest details)**

**Date and Time:** 20.10.2022 & 2.00 p.m. to 3.00 p.m.

Webinar on “NANO TECHNOLOGY METHODOLOGIES IN RESEARCH AND ITS ADVANCED  
APPLICATION”

**Guest Details :**

Dr. AVULA BALAKRISHNA  
Associate Professor and HOD,  
Department of Chemistry,  
Rajeev Gandhi Memorial College of Engineering and Technology,  
Andhra Pradesh.

**3. Outcome:**

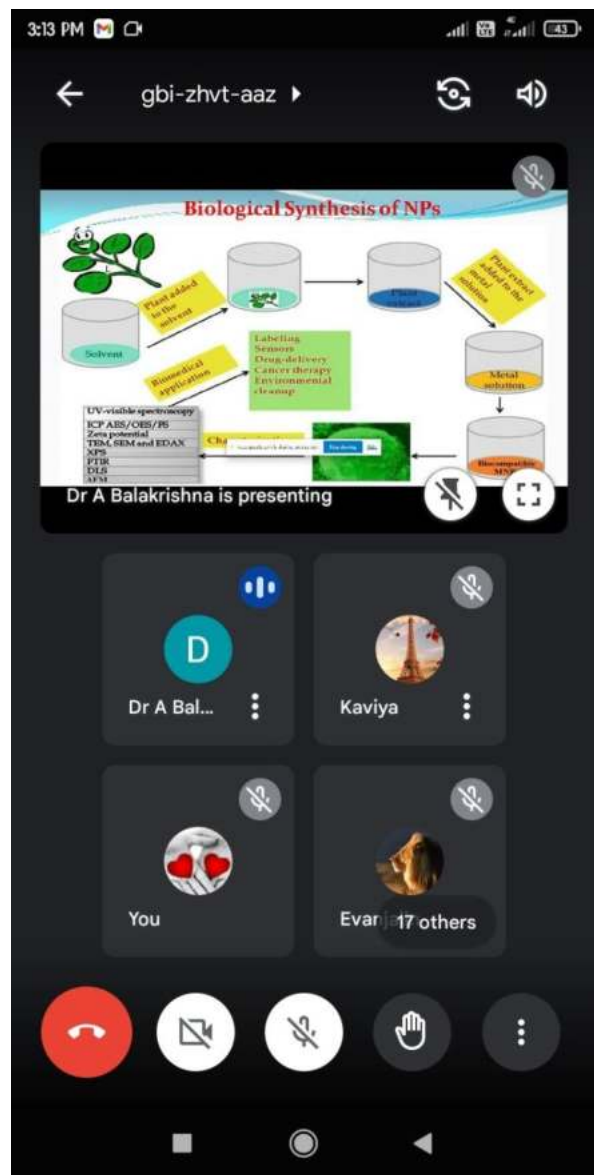
An intense response has been received for the webinar from **Dr. AVULA BALAKRISHNA, Associate Professor and HOD, Department of Chemistry**. Research efforts and increased scholarly productivity in various fields of nanomedicine resulted in a steady increase in idea-to-product transfers with considerable commercial success.

Nanomedicine helps to fight diseases at the cellular and molecular level by utilizing unique properties of quasi-atomic particles at a size scale ranging from 1 to 100nm. Nanoparticles are used in therapeutic and diagnostic approaches referred to as theranostics.

Applications of nanotechnological knowledge for the improvement and refinement of processes and materials, will now be discussed to illustrate basic concepts used in nanoscience.

The participants have given very good feedback for the flawless organization of the program. The e-certificate for the participants and speaker were delivered within 15 minutes.

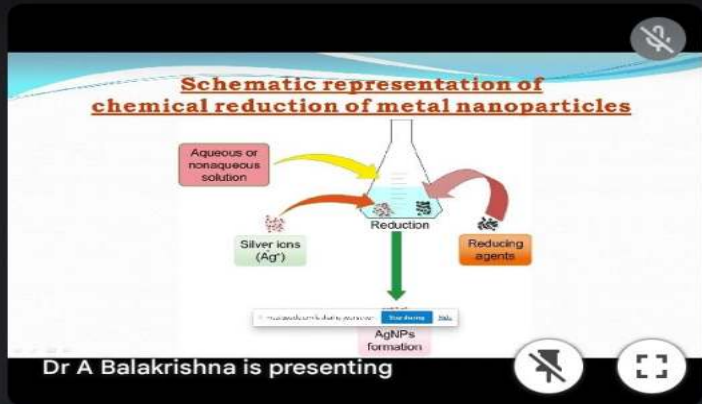
#### 4. Photograph



3:08 PM

43

gbi-zhvt-aaz



Dr A Bal...

Kaviya

You

Evanj 16 others

Call, Mute, Video, Hand, More

2:55 PM

gbi-zhvt-aaz

### Schematic Diagram for Sol-Gel synthesis

The diagram illustrates the Sol-Gel synthesis process. It begins with a 'Precursor solution' in a beaker. This solution undergoes 'Stirring' and 'Hydrolysis Condensation' to form a 'Gel formation' (represented by a beaker with a gel). The gel then undergoes a 'Drying process' which can be either 'Evaporative drying' leading to 'Xerogel' or 'Supercritical drying' leading to 'Aerogel'. The diagram also shows a 'Drying process' box with 'Evaporative drying' and 'Supercritical drying' options. Below the diagram, it says 'Dr A Balakrishna is presenting'.

Dr A Balakrishna is presenting

Dr A Bal...

Dr. Ponraj

Trying to speak? Turn on your microphone.

Call, Mute, Video Off, Hand, More

Signature of the HOD



தேசிய கல்லூரி (தன்னாட்சி)  
**National College (Autonomous)**  
(College with Potential for Excellence)  
(Nationally Re-Accredited at 'A+' Grade by NAAC)  
Tiruchirappalli - 620 001, India.



## GEOBIOTECHNOLOGY LABORATORY

(Established under grants received from MoES, SERB, DST & UGC, Govt. of India)

To

**The Principal**  
**Dhanalakshmi Srinivasan College of Arts and Science for Women**  
**(Autonomous)**  
**Perambalur- 621212.**

Dear Madam,

**Sub: Hands- on training on HPLC and GC-MS Techniques - reg.**  
**Ref: Your letter dated 15.02.2022.**

With reference to your letter cited above I am furnishing the details of staff and students participated in the Hands on Training programme in HPLC and GCMS Techniques held from **21.11.2022 to 23.11.2022**. The training was organized in connection to our MoU under Students Exchange Programme.

S.NO	NAME OF THE PARTICIPANT	DESIGNATION/DEPARTMENT
1	Dr. P. Shobanadevi	Assistant Professor of Biochemistry
2	Dr. S. Seema	Assistant Professor of Biotechnology
3	S. Nithiya	II M.Sc. Biochemistry
4	M. Nisha	II M.Sc. Biochemistry
5	S. Yuvachandra	II M.Sc. Microbiology
6	M. Madhumitha	II M.Sc. Microbiology
7	M. Gowri	II M.Sc. Microbiology
8	P. Saranya	II M.Sc. Biotechnology
9	A. Sellam	II M.Sc. Biotechnology
10	S. Sowmiya	II M.Sc. Biotechnology

Thank you.

**Scientist In-Charge**  
**Dr. S. SENTHIL KUMAR, M.Sc., M.Phil., Ph.D., ALS.,**  
Research Advisor in Botany and Biotechnology  
Principal Investigator  
SERB, UGC, TRISOST, MoES, DST-NTI, DST-WMT Funded Projects  
Geobiotechnology Laboratory  
National College (Autonomous)  
Tiruchirappalli-620001.



MSME NO: UDYAM-TN-03-0051232  
AICTE ID: 638d774f4cb531670215503



# GENOLITES

Research and Development Laboratory

15/05/2023

## CERTIFICATE

This is to certify that **Bhavya R (U21BT010)**, a student of B.Sc Biotechnology, Dhanalakshmi Srinivasan college of Arts and Science for Women, Perambalur, Tamil Nadu, India. She has successfully completed the Hands on training in "Molecular Biology" Under the guidance of **KARUKUVELRAJA R** at **Genolites Research and Development Laboratory**, during the period 01/05/2023-15/05/2023. I wish you all the success in your life.

Lab seal



Authorized Signatory

**KARUKUVELRAJA R**  
Managing Director  
**GENOLITES**  
Research And Development Laboratory  
No.66/A, Geetha Complex,  
Sathy Main Road, Sivananthapuram,  
Saravanampatti(PO), Coimbatore - 641035

☎ 7871054802    ☎ 7200464807    ☎ 8220841362

☎ No. 66/A, Geetha Complex, Sathy Main Road, Sivananthapuram, Saravanampatti(Po), Coimbatore-641035.

☎ genolitesrdl@gmail.com



MSME NO: UDYAM-TN-03-0051232  
AICTE ID: 638d774f4cb531670215503



# GENOLITES

Research and Development Laboratory

24/05/2023

## CERTIFICATE

This is to certify that **Muneera J (P22BT028)**, a student of M.Sc Biotechnology, Dhanalakshmi Srinivasan college of Arts and Science for Women, Perambalur, Tamil Nadu, India. She has successfully completed the Hands on training in **"In-silico and In-vitro Drug Discovery"** Under the guidance of **KARUKUVELRAJA R** at **Genolites Research and Development Laboratory**, during the period 04/05/2023-24/05/2023. I wish you all the success in your life.

Authorized Signatory

**KARUKUVELRAJA R**

Managing Director  
**GENOLITES**

Research And Development Laboratory  
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Sathy Main Road, Sivananthapuram,  
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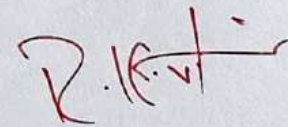
Research and Development Laboratory

15/05/2023

## CERTIFICATE

This is to certify that **Priya Vandhana S (U21BT026)**, a student of B.Sc Biotechnology, Dhanalakshmi Srinivasan college of Arts and Science for Women, Perambalur, Tamil Nadu, India. She has successfully completed the Hands on training in "**Molecular Biology**" Under the guidance of **KARUKUVELRAJA R** at **Genolites Research and Development Laboratory**, during the period 01/05/2023-15/05/2023. I wish you all the success in your life.

Lab seal



Authorized Signatory

**KARUKUVELRAJA R**  
Managing Director  
**GENOLITES**  
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15/05/2023

## CERTIFICATE

This is to certify that **Bhavya R (U21BT010)**, a student of B.Sc Biotechnology, Dhanalakshmi Srinivasan college of Arts and Science for Women, Perambalur, Tamil Nadu, India. She has successfully completed the Hands on training in "Molecular Biology" Under the guidance of **KARUKUVELRAJA R** at **Genolites Research and Development Laboratory**, during the period 01/05/2023-15/05/2023. I wish you all the success in your life.

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Authorized Signatory

**KARUKUVELRAJA R**  
Managing Director  
**GENOLITES**  
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24/05/2023

## CERTIFICATE

This is to certify that **Selvapriya S (P22BT035)**, a student of M.Sc Biotechnology, Dhanalakshmi Srinivasan college of Arts and Science for Women, Perambalur, Tamil Nadu, India. She has successfully completed the Hands on training in **"In-silico and In-vitro Drug Discovery"** Under the guidance of **KARUKUVELRAJA R** at **Genolites Research and Development Laboratory**, during the period 04/05/2023-24/05/2023. I wish you all the success in your life.

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Authorized Signatory

**KARUKUVELRAJA R**

Managing Director

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**DHANALAKSHMI SRINIVASAN**  
**COLLEGE OF ARTS & SCIENCE FOR WOMEN**  
**(AUTONOMOUS)**  
**(Affiliated to Bharathidasan University, Thiruchirappalli)**  
**(Nationally Re-accredited with 'A' Grade by NAAC)**  
**PERAMBALUR**

**CHEMSPARK ASSOCIATION**  
Cordially invites you for the  
**EXTERNAL STAFF TRAINING PROGRAMME**  
IN COLLABORATION WITH



**BIOME LIVE ANALYTICAL CENTER, 2<sup>nd</sup> FLOOR KANNAPA TOWER, COLLEGE ROAD**  
**KARAIKUDI-630003. TAMILNADU, INDIA.**

On

**“ANALYTICAL TECHNIQUES”.**

Resource Persons  
**Dr. S. JAGATHEESWARAN**  
&  
**Dr. P. GURU RAJ RAVO**

Date : 26.09.2022  
Venue : ORGANIC CHEMISTRY PG LAB,  
Perambalur.

Time: 11.00 AM – 12.00PM

Organized by

Department of Chemistry

Management      Principal      Vice-Principal

HOD, Staff Members and Students





**DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS &  
SCIENCE FOR WOMEN (AUTONOMOUS)**

**(Affiliated to Bharathidasan University, Thiruchirappalli)**

**(Nationally Re-accredited with 'A' Grade by NAAC)**

**PERAMBALUR**

**DEPARTMENT OF CHEMISTRY**



**External staff training program**

The chemspark association of dhanalakshmi srinivasan college of arts and science for women (autonomous) has organized an external staff training programme in collaboration with biome live analytical center, 2<sup>nd</sup> floor kannapa tower, college road karaikudi-630003. Tamilnadu, india. On the title Analytical techniques . on 26.09.2022 between 11.00am to 12.00pm. venue Organic chemistry Pg lab.

The programme was started at 11.00am with welcome address delivered by Dr.R.Shanmugapriya Assistant Professor of the Department of Chemistry. The first session was handled by Dr. S. JAGATHEESWARAN Scientist biome live analytical center Karaikudi. He explained about different analytical techniques used in spectral and structural analysis. He gave detailed explanation about NMR Spectroscopy, IR spectroscopy and mass spectroscopic techniques and he gave an clear idea about the centers from where these studies were taken .

The Second session was handled by Dr. P. GURU RAJ RAVO , Scientist biome live analytical center Karaikudi. He explained about different analytical techniques used in structural analysis. He gave detailed explanation about ESR, EPR spectroscopy and some gravimetric techniques

Staff members were highly excited and they received lots of knowledge about the techniques discussed . Finally Mrs.V.S.Sangeetha, Asst.Prof. Department of Chemistry, delivered a vote of thanks.



**DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR WOMEN (A)**  
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**PERAMBALUR- 621212**



**DEPARTMENT OF BIOCHEMISTRY**

**&**



**PROALGAE TECH, GERMANY**

*ORGANIZES*

*YOU ARE CORDIALLY INVITED FOR*

*WEBINAR*

*ON*

**ALGAL SOURCES IN RESEARCH AND VACCINE DEVELOPMENT**



**Dr. AMBIKA H D**  
**Algae Specialist**  
**Founder at Proalgae Tech**  
**Germany**

**Date: 30.03.2023**

**Time: 2.00pm**

**ALL ARE WELCOME**

**THE MANAGEMENT, PRINCIPAL, VICE-PRINCIPAL, DEANS, HoDS, STAFFS & STUDENTS**





**DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR  
WOMEN**



**(AUTONOMOUS)  
(Nationally Re-accredited with 'A' Grade by NAAC)  
Perambalur – 621 212. Tamil Nadu**

**DEPARTMENT OF BIOCHEMISTRY  
BIOPERAL ASSOCIATION**

**&  
PROALGAE TECH**

**WEBINAR ON “ALGAL SOURCES IN RESEARCH AND VACCINE DEVELOPMENT”**

**1. Objective-**

- Know about the “ALGAL SOURCES IN RESEARCH AND VACCINE DEVELOPMENT”

**2. Agenda (Date & Time, Guest details)**

**Date and Time: 30.03.2023 & 2.00 p.m. to 3.00 p.m.**

Webinar on “ALGAL SOURCES IN RESEARCH AND VACCINE DEVELOPMENT”

**Guest Details :**

**Dr. AMBIKA H D**

ALGAESPECIALIST/ALGAE CONSULTANT

FOUNDER AT PROALGAE TECH,

STUTTGART, BARDEN, GERMANY

**3. Outcome:**

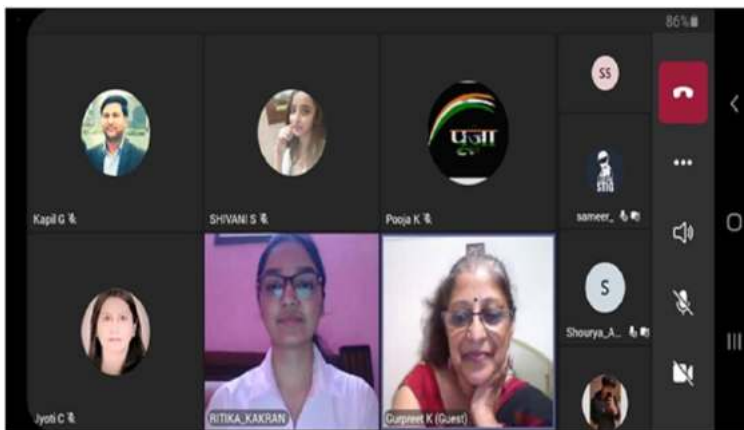
An intense response has been received for the webinar from **Dr. AMBIKA H D**, ALGAESPECIALIST/ALGAE CONSULTANT/FOUNDER AT PROALGAE TECH. Research efforts and increased scholarly productivity in various fields of vaccine development resulted in a steady increase in idea-to-product transfers with considerable commercial success.

Algae produce a wide variety of bioactive metabolites, and some pharmaceutical components with most attention include fatty acids, phycobiliprotein, polysaccharides, phenolic compounds, and carotenoids, etc. The fatty acid content in algae makes it a well-known bioactive compound which is very useful in the pharmaceutical industry. Algae could be used to make complex, targeted cancer drugs, their photosynthetic organelles, chloroplasts make it more helpful.

Applications of algal sources for the improvement of vaccine development, will now be discussed to illustrate the importance of algae in pharma sector.

The participants have given very good feedback for the flawless organization of the program. The e-certificate for the participants and speaker were delivered within 15 minutes

#### 4. Photograph



**Signature of the HOD**



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Tiruchirappalli  
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**PERAMBALUR 62121**



**DEPARTMENT OF PHYSICS**

**&**

**FEDERAL TVT Institute, ETHIOPIA**

**ORGANIZES**

**We cordially invite you for the**

**WEBINAR**

**ON**

**QUANTUM COMPUTING**

**RESOURCE PERSONS**

**Dr.Manikandan Pandiyarajan,  
Associate Professor  
Federal TVT Institute  
ETHIOPIA**

**Date: 24.03.2023**

**Time: 10.00 AM**

**Venue: Room No.310 (B) Block**

**ALL ARE WELCOME!!!**

**The Management, Principal, Vice-Principal, Dean, HoD,  
Staffs & Students**



**DHANALAKSHMI SRINIVASAN  
COLLEGE OF ARTS & SCIENCE FOR WOMEN  
(AUTONOMOUS)  
(Nationally Re-Accredited with 'A' Grade by NAAC)  
PERAMBALUR- 621212**



**DEPARTMENT OF PHYSICS**

The Department of PHYSICS of Dhanalakshmi Srinivasan College of Arts & Science for Women(Autonomous) organized a **“WEBINAR ON QUANTUM COMPUTING”** held on **(24.03.2023)**, in room no 310(B) Block. **Dr. K.SOWMIYA**, Head, Department of Physics, has Delivered the Welcome Address.

The Resource Person **Dr.MANIKANDAN PANDIYARAJAN, ASSOCIATE PROFESSOR, FEDERAL TVT INSTITUTE, ETHIOPIA**. He has handled the session. He explained about the basics of Computation Quantum Physics. He briefs the software using in this field. He teaches the problem solving methods in quantum physics. He explained problem solving methods for a molecule with an example and how to use the super computers for this problem. The session will be helpful for the students. Almost 70 students have attended the session.

This Program has overlaid the way for the students to get an overview about the Basics technique in computing methods in quantum physics, K.Nandhini, II-M.Sc Physics, Department of Physics, Proposed the Vote of Thanks.

