## ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI-635752

DEPARTMENT OF ENGLISH

## SUBMITTED TO THE PRINCIPAL

(During the last five years from 2017 to 2022)

| S.No | Academic Year | Name of the Collaborating | Name of the   | No. of Students |
|------|---------------|---------------------------|---------------|-----------------|
|      |               | firm/Agency/Institution   | Collaboration | Benefitted      |
| 1.   | SEP 2020-2022 | REGIONAL ENGLISH          | TRAINING      | 55              |
|      |               | LANGUAGE OFFICE           | PROGRAM       |                 |

S. SHAIK KHADER NAWAZ
Assistant Professor & Head

Department of English
ISLAMIAH COLLEGE (Autonomous),
VANIYAMBADI - 635 752, (Vlr. Dt.)

ISLAMIAH COLLEGE (AUTONOMOUS)
VANIYAMBADI - 2.



It is requested that all communications should be addressed to The Director, Centre for Research. Thiruvalluvar University and not to any person by name.

Email: centresorresearchatvu.edu.in Email: phd-cfr@tvu.edu.in Phone: (0416)2274747



# EMM61161161111 LIEUESONEUESLOELD THRUVALLUVAR UNIVERSITY

(State University - Accredited with "B" Grade by NAAC)

SERKKADU, VELLORE - 632 115

Dr. S. SYED SHAFI, M.Sc., M.Phil., B.Ed., Ph.D., Registrari/c.

No. TVU/R/Ph.D. Registration/2020/

Date: 7.10.2020

To

The Principal, Islamiah College, Vaniyambadi-635752

Sir/Madam,

Sub:

Thiruvalluvar University - 2019 Regulation - VADIVEL PALANISAMY- Approval of

Ph.D. Registration - Intimation - Reg.

Registration application, dated 13/08/2020

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It is informed that the Ph.D. registration of the aforementioned scholar is approved with effect from 30/07/2020 vide reference cited. The scholar shall be governed as per the Ph.D. regulations effective from 2019,

The Scholar registered as a <u>Part-Time</u> scholar shall submit the Doctoral Thesis after the expiry of minimum period and before the expiry of the maximum period as given below. If the scholar fails to submit the Doctoral Thesis within the expiry of the maximum period, his/her Ph.D. registration would stand cancelled without any further notification.

| Registration Number   | Ph.D./2019/19CETP1242/COMM  |  |                                |  |
|-----------------------|---|--|--------------------------------|--|
| Name of the Scholar   | VADIVEL PALANISAMY  |  |                                |  |
| Name of the Guide     | Dr. Thameemul Ansari S Assistant Professor Department of Commerce,<br>Islamiah College, Vaniyambadi-635 752 |  |                                |  |
| Bosic Degree          | M. Com [COMMERCE] M. Phil., [Commerce]  |  |                                |  |
| Registration Category | 8388 - 1188863  |  |                                |  |
| Subject Registered    | COBSISAICE LEE  | وسيستم ميدان والمدين و |                                |  |
| Missimum Period       | [4:11 29/07/2023]   | Maximum Period   | Six years<br>[1111 29/07/2026] |  |
| Broad field / Title   | Errenking.  |  |                                |  |

Further, if the scholar posses or does not possess M.Phil. degree, he/she have to undergo and qualify for a two credit pre registration course work for confirmation of their registration as per UGC norms. Based on the reports of the Course Work examination the provisional registration of the scholar will be confirmed. Only after the approval of the Course Work Examination by the University the scholar shall be permitted to continue his / her research work. The Supervisor is informed to constitute DC within 10 days from the receipt of this order.

Yours faithfully,

TORLOW BY SOME BY

Copy to:

- The Controller of Examinations, Thiruvalluxar University.
- Supervisor: Dr. Thameemul Ansari S Assistant Professor Dept. of Commerce, Islamiah College, Vaniyambadi-635 752
- Scholar: VADIVEL PALANISAMY, Akb Hamlin Apartment, T-5, Dharga Road, Zamin Pallavaram, Chennai 600 043
- Joint Supervisor: Dr.Y. Lokeswara Choudary, Assistant Professor & Research Supervisor, Government Arts College for Men (Autonomous), PG & Rearch Department of Commerce No.329, Americal Wanderman Channel-400035



# UNIVERSITY OF MADRAS

Calabilation under the flot of lower promision xxvII of 1877. White

University Mel) | thate (Inturrally) Contonury Bulliture, Etwarmik, Etwartsch Ed. Caxi-

No: D.2/Ph.D GUIDE Recogn. / 2015 / ]

FRAN

The Registrur University of Madras Chennai - 500 005.

VDr. Y. Lokeswara Choudary,

Assistant Professor. Department of Commerce, Government Arts College, Nandanam, Chennal 600 035.

Sir,

Sub: Recognition as a Supervisor to guide Ph.D. students - Reg.

Ref: Your Application dated 30.06.2014.

\*\*\*\*

With reference to your application cited above, I am by direction, to inform that you have been recognized as Supervisor for guiding students leading to the award of the Ph.D. Degree in Commerce of this University subject to the following conditions:-

- 1. As per the Ph. D. regulations para 7.2 governing Ph.D. Degree, the total number of candidates who can be registered for the Ph.D. programme, both full-time and part-time under a Supervisor, at any point of time shall not exceed TEN (including Re-registered candidates) for a Supervisor working in the University Departments, Affiliated Colleges
- A Supervisor will be permitted to guide Ph.D within the total number of TEN students from University of Madras and other Universities in Tamilnadu
- 3. A Supervisor shall not guide his/her immediate or close relative and to this effect he/she shall furnish a declaration in the column provided in the application form for admission. A supervisor shall not be permitted to register candidates for Ph.D. in the last one year of his/her service.
- Whenever the Supervisors are transferred from their present place of employment to another place, the same should be intimated to the University, through proper channel, for approval of continuance of Supervisorship of candidates registered under them.
- 5. The Supervisors who wish to avail leave/lien/deputation beyond a period of SIX MONTHS shall nominate co-guides in the concerned subject for the candidates registered with them and the fact intimated to the University well in advance.
- 6. Further you are prohibited from acting as 'External Part-time PhD Guide' for other Universities.

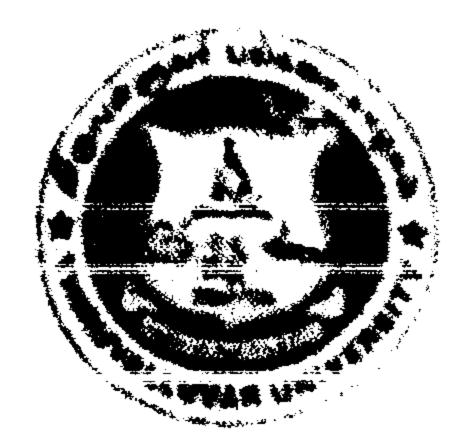
Yours faillifully,

Copy to: 1. The Principal, Government Arts College, Nandanam, Chennai 600 035..

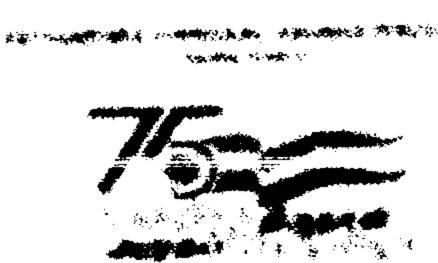
2. The Section Officer, Ph.D. Section (Registration / Evaluation).

3. Stock File (D2).

Website: www.tvu.edu.in Email: centreforresearch@tvu.edu.in Phone: (0416)2274747 Fax: (0416)2274748



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY



(State University - Accredited with "8 +" Grade by NAAC) SERKADU, VELLORE - 632 115.

Dr.M.Chandran, M.Sc., M.Phil., B.Ed., Ph.D., Director-in-charge

TVU/CFR/Ph.D./Doctoral Committee/Approval/2022/ / 017

Date: / .032022

Dr.K.Murugan,
Assistant Professor,
Department of History,
Islamiah College (Autonomous),
Vaniyambadi- 635 752.
Sir/Madam,

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Sub: Thiruvalluvar University, Vellore – CFR – Ph.D., Regulation 2019 - Doctoral Committee

of the Candidate Mr.A.Narendiran, Ph.D/2021/7580 w.e.f 16.12.2021 — Approved intimation — Reg.

Ref: Your Letter dated 05.01.2022

With reference to your letter cited, I am to inform you that the Doctoral Committee constituted by you with the following members to examine and to monitor the research work of Mr.A.Narendiran, Part - Time Research Scholar in History, Islamiah College (Autonomous), Vaniyambadi is approved.

| andrieta de la constitución de la c | Dr.K.Murugan,                               | Convener    |
|---|---|-------------|
| 1   | Assistant Professor,                        |             |
|   | Department of History,                      |             |
|   | Islamiah College (Autonomous), Vaniyambadi. |             |
|   | Dr.S.Selvaseelan,                           | Joint -     |
| 7   | Associate Professor & Head,                 | Supervisor/ |
|   | Department of History,                      | Co - Guide  |
|   | Government arts College (Men), Krishnagiri. |             |
| <del>čana (1446 zam) vych čaja (14</del> 45)  | Or.D.Leslin,                                | Member      |
| 3   | Associate Professor & Head,                 |             |
|   | Department of History,                      |             |
|   | Sacred Heart College (Autonomous),          |             |
|   | Triupattur.                                 |             |
|   | Dr.P.Kumaran,                               | Member      |
| 4   | Assistant Professor,                        |             |
|   | Department of History History,              |             |
|   | C.Abdul Hakeem College (Autonomous),        |             |
|   | Melvisharam.                                |             |

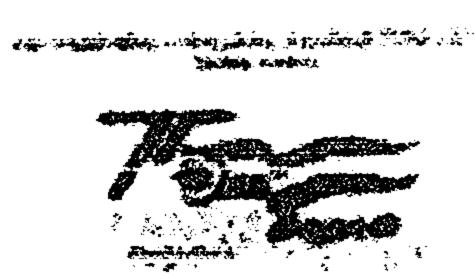
Director-in-charge

it is requested that all communications should be excured or ine Director, Centre for Research, Thiruvelluver University and not to any person by name.

Email: centreforresearch@tvu.edu.in Phone: (0416)2274747 Fax: (0416)2274748



## Boniconi Leibenebeubi Thiruvalluvar university



(Carrilles) - Accredited with "B+" Grade by NAAC;
SERKADU, VELLORE - 632 115.

Dr.M.Chandran, M.Sc., M.Phil., B.Ed., Ph.D.,

Director-in-charge

TVI/ICFR/Ph.D.,/Doctoral Committee/Approval/2022/ 1017

Date:

.022022

Dr.K.Murugan,
Assistant Professor,
Department of History,
Islamiah College (Autonomous),
Vaniyambadi- 635 752.
Sir/Madam,

Sub: Thiruvalluvar University, Vellore - CFR - Ph.D., Regulation 2019 - Doctoral Committee

of the Candidate Mr.A.Narendiran, Ph.D/2021/7580 w.e.f 16.12.2021 -

Approved intimation - Reg.

Ref: Your Letter dated 05.01.2022

With reference to your letter cited, I am to inform you that the Doctoral Committee constituted by you with the following members to examine and to monitor the research work of Mr.A.Narendiran, Part - Time Research Scholar in History, Islamiah College (Autonomous), Vaniyambadi is approved.

|                                 | Dr.K.Mirsipan.                              | Convener    |
|---------------------------------|---|-------------|
| 1                               | Assistant Professor,                        |             |
|                                 | Department of History,                      |             |
|                                 | Islamiah College (Autonomous), Vaniyambadi. |             |
|                                 | Dr.S.Selvaseelan,                           | Joint -     |
| 2                               | Associate Professor & Head,                 | Supervisor/ |
|                                 | Department of history,                      |             |
|                                 | Government arts College (Men), Krishnagiri. |             |
| <del>harten er infaktoren</del> | Dr.D.Leslin,                                | Member      |
| 3                               | Associate Professor & Head,                 |             |
|                                 | Department of History,                      |             |
|                                 | Sacred Heart College (Autonomous),          |             |
|                                 | Triupattur.                                 |             |
|                                 | Or.P.Kumaran,                               | Member      |
| 4                               | Assistant Professor,                        |             |
|                                 | Department of History History,              |             |
|                                 | C.Abdul Hakeem College (Autonomous),        |             |
|                                 | Melvisharam.                                |             |

Director-in-charge



# ISLAMIAH COLLEGE(AUTONOMOUS), VANIYAMBADI-635752 DEPARTMENT OF BUSINESS ADMINISTRATION COLLABORATIVE ACTIVITIES

(During the last five years from 2017-2018 to 2021-2022)

| S.NO | Academic<br>Year | Name of the Collaborating                             | Nature of Collaboration | No. of<br>Students<br>benefited |
|------|------------------|---|-------------------------|---------------------------------|
| 1.   | 2020-2021        | VANITEC, VANIYAMBADI                                  | Internship              | 4                               |
| 2.   | 2020-2021        | ESSAR TANNING COMPANY, AMBUR                          | Internship              | 4                               |
| 3.   | 2020-2021        | OAS SUPER MARKET, VANIYAMBADI                         | Internship              | 5                               |
| 4.   | 2020-2021        | KHAJA RESTAURANT, VANIYAMBADI                         | Internship              | 4                               |
| 5.   | 2020-2021        | SRI VENKETESHWARA AGARBATTI AGENCIES, MELUR           | Internship              | 5                               |
| 6.   | 2020-2021        | GENUINE LEATHER ASSOCIATES PVT.LTD. Vaniyambadi       | Internship              | 4                               |
| 7.   | 2020-2021        | FARIDA CLASSIC, AMBUR                                 | Internship              | 5                               |
| 8.   | 2020-2021        | MOHIB SHOES PVT.LTD.AMBUR                             | Internship              | 5                               |
| 9.   | 2020-2021        | SUZUKI INDIA PVT.LTD, KRISHNAGIRI                     | Internship              | 2                               |
| 10.  | 2020-2021        | A.K.M. LEATHER PVT.LTD, VANIYAMBADI                   | Internship              | 4                               |
| 11.  | 2020-2021        | AXA LEATHER GROUP, VANIYAMBADI                        | Internship              | 5                               |
| 12.  | 2020-2021        | BUTTERFLY AGENCIES, AMBUR                             | Internship              | 5                               |
| 13.  | 2020-2021        | MOHIB SHOES, AMBUR                                    | Internship              | 4                               |
| 14.  | 2020-2021        | JANSEVA, Co-operative Credit Society Ltd, Vaniyambadi | Internship              | 3                               |
| 15.  | 2020-2021        | HURERA LEATHER COMPANY, AMBUR                         | Internship              | 5                               |

<sup>\*</sup> Group Project was included in the syllabi for the students admitted from 2018-2021 Batch onwards. i.e. for the Academic year 2020-2021 only.

Dr. K. MOHAMED IMRAN, MBA., M.Phil., Ph.D.,
ASSISTANT PROFESSOR
DEPARTMENT OF BUSINESS ADMINISTRATION

ISLAMIAH COLLEGE (AUTONOMOUS) VANIYAMBADI - 635 751. Vir. Dt.



# ISLAMIAH COLLEGE(AUTONOMOUS), VANIYAMBADI-635752 DEPARTMENT OF BUSINESS ADMINISTRATION COLLABORATIVE ACTIVITIES

(During the last five years from 2017-2018 to 2021-2022)

| S.NO | Academic<br>Year | Name of the Coilaborating                          | Nature of Collaboration | No. of<br>Students<br>benefited |
|------|------------------|--|-------------------------|---------------------------------|
| 1.   | 2021-2022        | Vanitec, Vaniyambadi                               | Internship              | 4                               |
| 2.   | 2021-2022        | Seema Super Markt, Vaniyambadi                     | Internship              | 5                               |
| 3.   | 2021-2022        | Mohib Shoes, Ambur                                 | Internship              | 5                               |
| 4.   | 2021-2022        | Naskar Marketing, Vaniyambadi                      | Internship              | 5                               |
| 5.   | 2021-2022        | Success Garments, Ambur                            | Internship              | 5                               |
| 6.   | 2021-2022        | Hotel Hills, Tirupattur                            | Internship              | 5                               |
| 7.   | 2021-2022        | Mohib Shoes, Ambur                                 | Internship              | 5                               |
| 8)   | 2021-2022        | K.K.Multi Tech. Industries, Tirupattur             | Internship              | 4                               |
| 9.   | 2021-2022        | Ahmedia Hotel, Vaniyambadi                         | Internship              | 5                               |
| 10.  | 2021-2022        | Barin, International, Vaniyambadi                  | Internship              | 4                               |
| 11.  | 2021-2022        | Shalimar Tanning Company, Ambur                    | Internship              | 4                               |
| 12.  | 2021-2022        | Srijan Motors, Krishnagiri                         | Internship              | 4                               |
| 13.  | 2021-2022        | Sri Rishi Fire Safety Engineering works, Hosur     | Internship              | 4                               |
| 14.  | 2021-2022        | Dhiraj Mobiles, Vaniyambadi                        | Internship              | 4                               |
| 15.  | 2021-2022        | Janseva Co-operative Credit Societies              | Internship              | 2                               |
| 16.  | 2021-2022        | Islamiah Boys Higher Secondary School, Vaniyambadi | Internship              | 2                               |
| 17.  | 2021-2022        | Vanitec, Vaniyambadi                               | Internship              | 4                               |
| 18.  | 2021-2022        | City Super Market, Vaniyambadi                     | Internship              | 4                               |

Dr. K. MOHAMED IMRAN, MBA., M.Phil., Ph.D.,
ASSISTANT PROFESSOR
DEPARTMENT OF BUSINESS ADMINISTRATION
ISLAMIAH COLLEGE (AUTONOMOUS)
VANIYAMBADI - 635 751. Vir. Dt.



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# ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI – 635752 Department of Biotechnology COLLABORATIVE ACTIVITIES

(During the last five years from 2017-18 to 2021-2022)

| S.No. | Academic<br>Year | Name of the Collaborating Firm/Agency/Institution  | Nature of Collaboration                    | No. of Students /Staff benefited |
|-------|------------------|--|--|----------------------------------|
| 1.    | 2021-2022        | Vanitec Private Ltd., Vaniyambadi  | Internship                                 | 48 Students                      |
| 2.    | 2021-2022        | Institute of Liver and Biliary Sciences,  NewDelhi   | INSA –<br>Summer<br>Research<br>Fellowship | 01 Student                       |
| 3.    | 2021-2022        | National Institute for Research in<br>Tuberculosis, Chennai  | Project Work                               | 02 Students                      |
| 4.    | 2021-2022        | Mahathi Biotech, Chennai   | Project Work                               | 02 Students                      |
| 5.    | 2021-2022        | Sathyabama Institute of Science and Technology, Chennai  | Project Work                               | 03 Students                      |
| 6.    | 2021-2022        | ICAR – National Research Centre for<br>Banana, Trichy  | Project Work                               | 01 Students                      |
| 7.    | 2021-2022        | Avigen Biotech, Chennai  | Internship                                 | 02 Students                      |
| 8.    | 2021-2022        | Dr.S.Jayashree, Assistant Professor,  Department of Biotechnology, Stella  Maris College (Autonomous), Chennai -  600 086.   | Research Publication                       | 01 Staff                         |
| 9.    |                  | Dr. T. Stalin Dhas, Scientist-B, Centre for Ocean Research, Col.Dr.Jeppiaar Research Park, Sathyabama Institute of Science and Technology, Rajiv Gandhi Road, Chennai – 119. | Research Publication                       | 01 Staff                         |
| 10.   |                  | Dr.D.Manikandan, Research Scientist in Formulation, Anticancer Bioscience, Ltd. Tianfu International Biotown Chengdu, 610000, China.   | Research Publication                       | O1 Staff                         |

| 11. | 2020-2021 | Prof. Moonis Ali Khan, Professor,       | Research     | 01 Staff    |
|-----|-----------|---|--------------|-------------|
|     |           | Chemistry Department, College of        | Publication  |             |
|     |           | Science, King Saud University, Riyadh,  |              |             |
|     |           | Kingdom of Saudi Arabia.                |              |             |
| 12. | 2020-2021 | Prof. Mika Sillanpaa, Department of     | Research     | 01 Staff    |
|     |           | Chemical Engineering, School of Mining, | Publication  |             |
|     |           | Metallurgy and Chemical Engineering,    |              |             |
|     |           | University of Johannesburg,             |              |             |
|     |           | South Africa.                           |              |             |
| 13. | 2020-2021 | Vanitec Private Ltd., Vaniyambadi       | Internship   | 41 Students |
| 14. | 2020-2021 | ICAR – National Research Centre for     | Project Work | 03 Students |
|     |           | Banana, Trichy                          |              |             |
| 15. | 2019-2020 | Vanitec Private Ltd., Vaniyambadi       | Internship   | 50 Students |
| 16. | 2018-2019 | Professional Info Tech, Coimbatore      | Training     | 11 Students |
| 17. | 2018-2019 | Pasteur Institute of India, Coonoor, TN | Internship   | 05 Students |
| 18. | 2018-2019 | Vanitec Private Ltd., Vaniyambadi       | Internship   | 49 Students |
| 19. | 2018-2019 | Vanitec Private Ltd., Vaniyambadi       | Internship   | 44 Students |

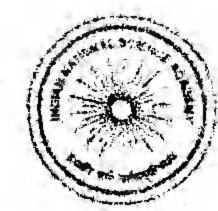
(Nature of Collaboration includes Project Work, Field Work, On the Job Training, Internship, Faculty Exchange, Student Exchange etc.)

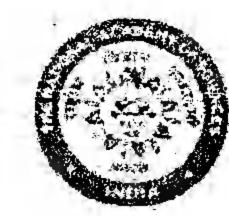
Head of the Department

DEPARTMENT OF BIOTECHNOLOGY ISLAMIAH COLLEGE (AUTONOMOUS) VANIYAMBADI-635 752.

PRINCIPAL ISLAMIAH COLLEGE (AUTONOMOUS) VANIYAMBADI - 2.







Indian Academy of Sciences, Bengaluru Indian National Science Academy, New Delhi e National Academy of Sciences India, Prayagraj

## SCIENCE ACADEMIES

## SUMMER RESEARCH FELLOWSHIP PROGRAM

P.B. No. 8005, C.V. Raman Avenue, Sadashivanagar Post, Bengaiuru 560 080. Telephone: (080) 2266 1207, 2266 1202, 2266 1221, Fax: (080) 2361 6094 Email: sumfel@ias.ac.in Website: www.ias.ac.in

Date: 12 April 2022

Mr Cholavaram Anas Sameed 432/A Dokku Street Muslimpur Vaniyambadi 635751 [Tamil Nadu]

Dear Mr Sameed.

This has reference to your application LFS2472 for an IASc-INSA-NASI Summer Research Fellowship in 2022. We are happy to offer you a Fellowship to work for two months during this summer subject to verification of your marks as stated by you in the application with the marks sheets. You will be working with Dr M.G. Sanal, Institute of Liver and Biliary Sciences, New Delhi (e-mail: sanalmg@gmail.com).

We have tried as far as practicable to assign you to a guide who works in your area of interest. Where that has not been possible, you will work with the assigned guide in a related area that will be determined by the guide, and that the experience will be fruitful to you. We will not be able to make any change in this regard.

This Fellowship is subject to the following norms:

The duration of the Fellowship is eight weeks (56 days – including Sundays and General Holidays), and is not to be reduced. If you do not complete this requirement, you will not be paid the fellowship amount and the certificate that is usually issued on completion.

• You will be provided a III-tier A/c train fare from Vaniyambadi to ILBS, New Delhi and back.

- If you are NOT an INSPIRE/KVPY Fellowship holder, you will be paid a Fellowship of 12,500/- per month towards your boarding, lodging, local transport expenses\*. Those who are in receipt of INSPIRE/KVPY Fellowship will be covered by a separate arrangement, the details of which will be sent later.
- For local accommodation, please contact your guide who can help you. The Academy office will not be able to help you in this regard.

Please also go through carefully & comply with all the Instructions given in the attached sheet.

You are advised to get in touch with Dr Sanal immediately to work out the exact period of your visit. In the meantime please communicate with Mr C.S. Ravi Kumar, Coordinator, Science Education Program, your acceptance of this Fellowship. We would need a joining report from you upon your arrival, and a brief report of your work at the end of four weeks so that your Fellowship for the first month can be paid. After the receipt of the final report, we shall release the remaining amount due to you along with your travel fare.

We urge you to convey your acceptance of this fellowship within 7 days by both online (the userid and password given at the bottom of the email) as well as by returning the Form of Acceptance posted to you. Even if you are not able to accept the fellowship, this should be communicated to the Academy immediately (both by email and in the Form of Acceptance email: sumfel@ias.ac.in) so that the fellowship can be offered to another candidate in the waiting list.

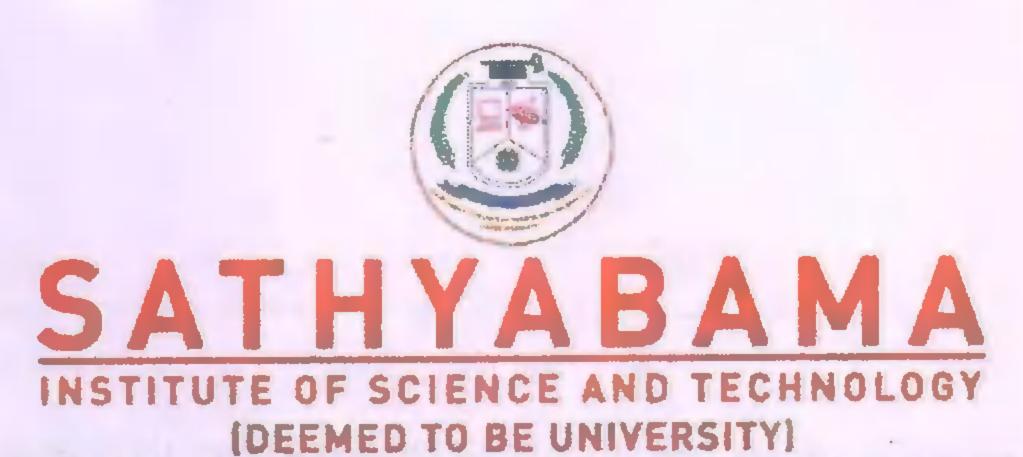
With best wishes.

Yours sincerely,

Professor P K Das

Chair, Joint Science Education Panel, IASc

\* It is recommended that each Summer Research Fellow (SRF) be covered by a personal health/accident insurance policy during the period of summer-training. The Academies will not provide any insurance cover. Therefore, the responsibility for purchase of insurance rests with you.



Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

## LETTER OF UNDERSTANDING

09.10.2021

To

The Principal
Islamiah College (Autonomous)
Vaniyambadi-635752

Respected Sir,

Sub: Letter of Understanding for Collaborative research work - Reg.

I am very much interested to collaborate with Dr. S.U. Mohammed Riyaz, Assistant Professor, Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi, to carry out a research work titled "Nanotoxicology". Hope, this collaboration will explore novel research findings and get publications in peer review journals.

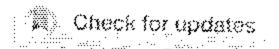
Thanking you

Yours Sincerely

Centre for Ocean Research
Col. Dr. Jeppiaar Research Park
Sathyabama Institute of Science and Technology
(Deemed to be University)

Rajiv Gandhi Road, Chennas - 600 119. Tamilhado, INCA





## In vitro antibacterial activity of biosynthesized silver nanoparticles against gram negative bacteria

Tharmathass Stalin Dhas<sup>a</sup>, Prasad Sowmiya<sup>a</sup>, Krupakar Parthasarathy<sup>b</sup>, Anandakumar Natarajan<sup>c</sup>, Gopakumaran Narendrakumar<sup>d</sup>, Ramesh Kumar<sup>d</sup>, Antony Vincent Samrot<sup>e</sup>, Savaas Umar Mohammed Riyaz<sup>f</sup>, Vijayakumar Kumar Ganesh<sup>a</sup>, Velu Karthick<sup>a</sup>, and Arulaih Rajasekar<sup>g</sup>

<sup>a</sup>Centre for Ocean Research (DST – FIST Sponsored Centre), MoES - Earth Science & Technology Cell, Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, India; <sup>b</sup>Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, India; <sup>c</sup>Department of Education, The Gandhigram Rural Institute-Deemed to be University, Gandhigram, Dindigul, Tamil Nadu, India; <sup>d</sup>Department of Biotechnology, Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, India; <sup>e</sup>School of Biosciences, Faculty of Medicine, Biosciences and Nursing, MAHSA University, Jalan SP2, Bandar Saujana Putra, Jenjarom, Selangor, Malaysia; Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi, Tamil Nadu, India; <sup>g</sup>Department of Biotechnology, Thiruvalluvar University, Vellore, Tamil Nadu, India

#### **ABSTRACT**

Biosynthesis of silver nanoparticles (AgNPs) has been performed using various sources including plants and fungi. Sargassum swartzii is an alga that has a vast spectrum of biological activities and is predominantly found on the Indian coasts. In this study, AgNPs was biosynthesized using *S. swartzii* and evaluated for its antibacterial potency against *Escherichia coli* (ATCC 25922). The synthesized nanoparticles (NPs) were imaged using TEM analyses and found to be predominantly spherical and crystalline with size around 20–40 nm. The Zeta sizing analysis revealed mean particle size to be 40.4 nm. The XRD analysis revealed the particles are crystalline nature and average size around 54 nm. The biosynthesized AgNPs were used against treating *E. coli* and it was found to cause a considerable amount of deterioration to the microbes when observed under AFM and FE–SEM. The study revealed the significant antibacterial activity of the synthesized AgNPs due to extensive membrane damage.

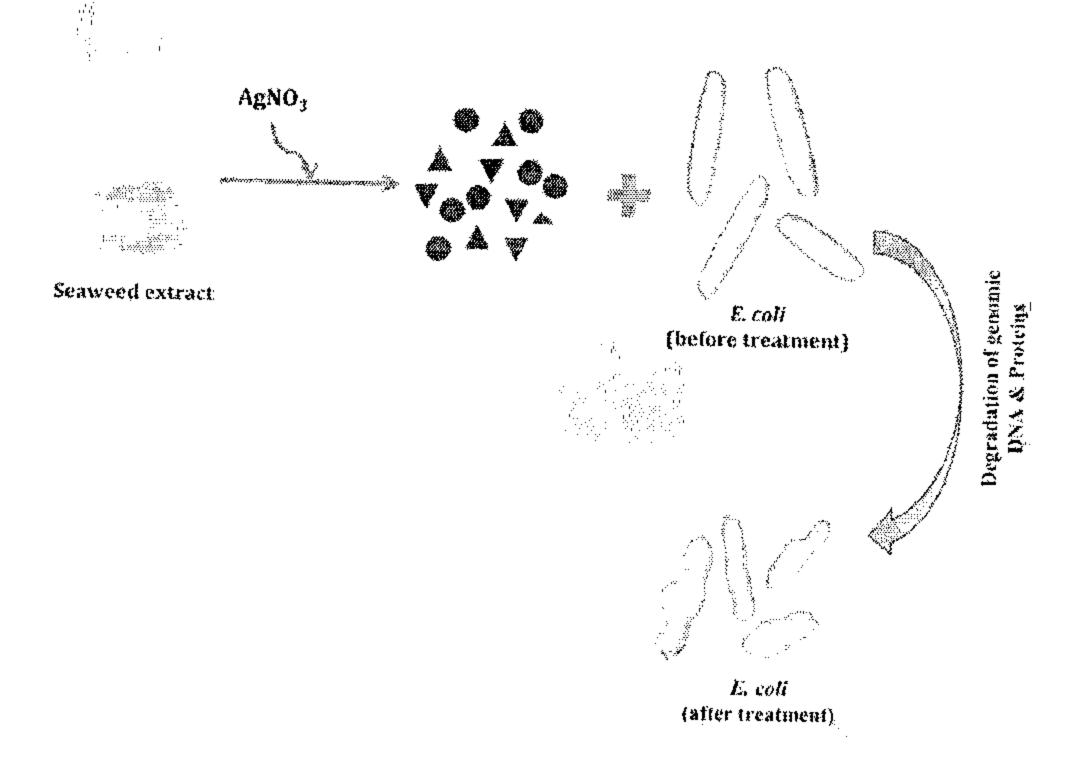
#### **ARTICLE HISTORY**

Received 15 February 2021 Accepted 25 November 2021

#### **KEYWORDS**

Sargassum swartzii; silver nanoparticles; antibacterial; Escherichia coli; membrane damage; AFM

#### **GRAPHICAL ABSTRACT**



#### Introduction

India being a land surrounded by seas on three sides possesses great marine biodiversity. Seaweeds are a potential treasure trove of bioactive compounds.<sup>[1]</sup> Various Species of seaweeds have a plethora of bioactive compounds that can

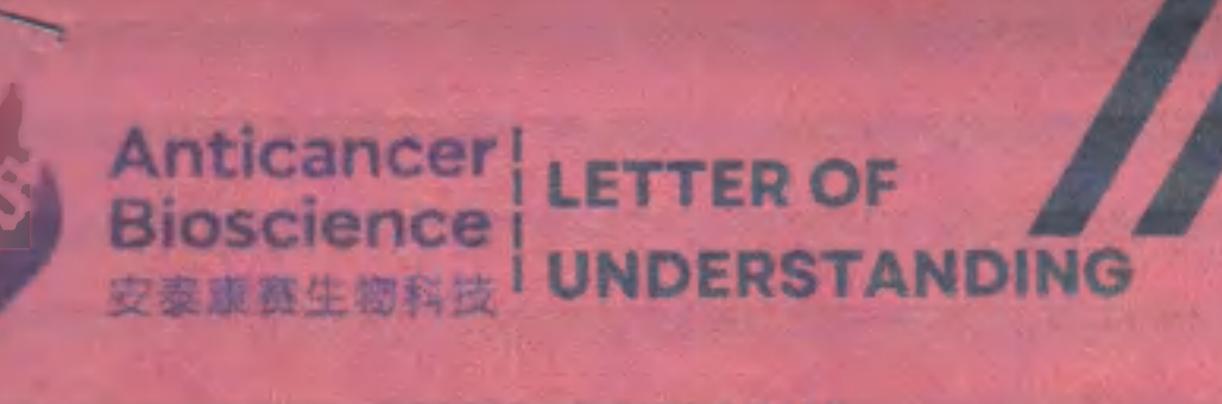
be used as an antioxidant,<sup>[2]</sup> antibacterial,<sup>[3]</sup> anticancer,<sup>[4]</sup> antidiabetic<sup>[5]</sup> molecules. Seaweeds are one of the best nutritious species and have been used as remedial steps for skin, stomach disorders, gall stones, renal failure, heart problems, and cancer in various traditional medicine systems.<sup>[6]</sup> Brown seaweeds are a category of seaweeds that comprises of

CONTACT Tharmathass Stalin Dhas stalin8733@gmail.com; stalindhas.cor@sathyabama.ac.in Centre for Ocean Research (DST – FIST Sponsored Centre), MoES - Earth Science & Technology Cell, Sathyabama Institute of Science and Technology, Chennai 600 119, Tamil Nadu, India.

This article has been republished with minor changes. These changes do not impact the academic content of the article.

Supplemental data for this article can be accessed at the https://doi.org/10.1080/24701556.2022.2034014.

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To

14 October 2021

The Principal Islamiah College (Autonomous) Vaniyambadi-635752.

Respected Sir/Madam

Sub: Letter of Understanding for Collaborative research work - Reg:

I am very much interested to collaborate with Dr. S.U. Mohammed Riyaz, Assistant Professor, Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi, to carry out a research work titled "Nanobiotechnology". Hope, this collaboration will explore novel research findings and get publications in peer review articles, Book chapters and Book in Q1 Journals.

Thanking you

Best regards,

Dr.Manikandan Dhayalan

Research Scientist in Formulation



19840652695



mdhayalan@anticancerbio.com



ACB's HQ is in Tianfu International Bio-

Town, Chengdu, China

#### Research Article

Manikandan Dhayalan\*, Malathi Selvaraj, Karthick Kumar B, Mohammed Riyaz S.U., and Mika Sillanpää\*

# Eco friendly synthesis and characterization of zinc oxide nanoparticles from *Aegle marmelos* and its cytotoxicity effects on MCF-7 cell lines

https://doi.org/10.1515/nanofab-2020-0104 Received May 07, 2021; accepted Nov 19, 2021

Abstract: An attempt was made to synthesize zinc oxide gum white nanoparticles (ZnO-GWNPs) by the greenway approach using Aegle marmelos (Bael fruit) juice extract as a capping and reducing agent. Synthesis of ZnO-GWNPs by greener approach is safer, more economical, more energyefficient, eco-friendlier, and less toxic than chemically synthesized counterparts. The optical properties of the ZnO-GWNPs were ascertained through UV-Vis spectroscopy, Fourier Transform-Infrared (FT-IR), X-ray diffraction (XRD), High-resolution transmittance electron microscopy (HR-TEM). A characteristic absorption peak at 385nm confirmed the presence of ZnO-GWNP using UV-Vis spectroscopy. FTIR spectrum revealed that the characteristic absorption peak of the Zn-O bond was observed at 467 cm-1. The XRD result for the ZnO showed the tendency of the three most intense diffraction peaks. The average crystallite size ZnO NPs at scattering angle (2 $\theta$ ) 22.89 and 32.15 was 39.14 and 26.08 nm and it showed the presence of miller indices of (100), (002), (101), (102) respectively. The EDX spectrum gave strong signals for zinc and oxygen indicating the occurrence of the nanoparticles in their oxide form rather than the pure zinc form. The SEM image showed the surface morphology of ZnO-GW NPs and the HR-TEM image showed the crystalline nature of ZnO-GW NPs. Cytotoxicity study of ZnO-GW NPs was determined against MCF-7 cell lines and the IC50 values were found to be 40  $\mu g/mL$  and 60  $\mu g/mL$  at 24 h and 48 h respectively.

**Keywords:** Greenway; Zinc oxide nanoparticles (ZnO-GW NPs); bael fruit extracts, Cytotoxicity

### 1 Introduction

Nanotechnology is an immensely developing field in science. It is conducted at the nano-meter scale to explore several disciplines in the field of research, such as physics, chemistry, material science and medicine [1, 2]. Nanoparticles are metal particles in nanoscale (1-99 nm) size and exhibit different structures like spherical, triangular, rod, etc [3, 4]. The main advantage of nanoparticles (NPs) is generally their larger surface to volume ratio when compared with micron-sized particles. Zinc oxide (ZnO) is a Federal Drug Administration (FDA) approved inorganic compound being used in wide range of commercial application such as food, cosmetics, textile and medicine. Zinc nanoparticles (ZnO NP) are widely used in nano optical and nano electrical fields because of their high catalytic activity, and also in food packaging and in medicine as antibacterial and anticancer agents [5, 6].

The production of nanoparticles through biosynthesis may actually produce a better defined size and morphology as compared to other physical and chemical methods of production [7]. Aegle marmelos is commonly known as bael belongs to the family Rutaceae. It is native in Indian subcontinent and south East Asia. The whole tree such as root, leaf, trunk, fruit, and seed are used extensively in Indian ayurveda and folk medicine as a traditional medicine to cure various human ailments [8] and diseases and scientific data also validated their therapeutic performance that includes free radical scavenging, antioxidant, inhibition of

<sup>\*</sup>Corresponding Author: Manikandan Dhayalan: Anticancer Bioscience, Ltd. Tianfu International Biotown Chengdu, 610000, China; Email: manikandandhayalan88@gmail.com

<sup>\*</sup>Corresponding Author: Mika Sillanpää: Environmental Engineering and Management Research Group, Ton Duc Thang University, Ho Chi Minh City, Vietnam; Faculty of Environment and Labour

Safety, Ton Duc Thang University, Ho Chi Minh City, Vietnam; Email: mika.sillanpaa@tdtu.edu.vn

Malathi Selvaraj: Centre for Advanced Studies in Botany, Guindy Campus, University of Madras, Chennai-600 025 India

Karthick Kumar B: Department of Textile Technology, A.C.Tech, Anna University, Chennai-600025, Tamilnadu, India

Mohammed Riyaz S.U.: Animal Tissue culture unit, PG & Research Department of Biotechnology, Islamiah College (Autonomous), Newtown, Vaniyambadi-635752, Tamilnadu, India

#### LETTER OF UNDERSTANDING

07.09.2021

To

The Principal

Islamiah College (Autonomous)

Vaniyambadi-635752

Respected Sir/Madam

Sub: Letter of Understanding for Collaborative research work – Reg.

I am very much interested to collaborate with Dr. S.U. Mohammed Riyaz, Assistant Professor, Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi, to carry out a research work titled "Nanobiotechnology". Hope, this collaboration will explore novel research findings and get publications in peer review journals.

Thanking you

Yours Sincerely

Dr.S.JAYASHREE M.Sc., Ph.D.,
Assistant Professor

Assistant Professor

Department of Biotechnology

Stella Maris College (Autonomous)

Chennal - 600 086.





Article

# Green Synthesis of Silver Nanoparticles Using *Allium cepa* var. *Aggregatum* Natural Extract: Antibacterial and Cytotoxic Properties

Jayashree Shanmugam <sup>1</sup>, Manikandan Dhayalan <sup>2,\*</sup>, Mohammed Riyaz Savaas Umar <sup>3</sup>, Mayakkannan Gopal <sup>4</sup>, Moonish Ali Khan <sup>5</sup>, Jesus Simal-Gandara <sup>6,\*</sup> and Antonio Cid-Samamed <sup>7,\*</sup>

- Department of Biotechnology, Stella Maris College (Autonomous), Chennai 600086, Tamil Nadu, India; jayashreesanmugam2@gmail.com
- Small Molecules and Drug Discovery Group, Anticancer Bioscience, Tianfu International Biotown Chengdu, Chengdu 610000, China
- Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi 635752, Tamil Nadu, India; mriyaz4@gmail.com
- Department of Marine Biotechnology, Amet University, Chennai 600040, Tamil Nadu, India; mayakkannang@ametuniv.ac.in
- Chemistry Department, College of Science, King Saud University, Riyadh 11451, Saudi Arabia; mokhan@ksu.edu.sa
- Nutrition and Bromatology Group, Department of Analytical Chemistry and Food Science, Faculty of Science, Universidade de Vigo, E-32004 Ourense, Spain
- Physical Chemistry Department, Faculty of Sciences, University of Vigo, E-32004 Ourense, Spain
- \* Correspondence: manikandandhayalan88@gmail.com (M.D.); jsimal@uvigo.es (J.S.-G.); acids@uvigo.es (A.C.+S.)

Abstract: The chemical content of plant excerpts can be efficiently employed to reduce the metal ions to nanoparticles in the one-pot green production method. Here, green production of silver nanoparticles (AC-AgNPs) is performed by means of Allium cepa var. Aggregatum (shallot) extract as a stabilizer and reducer. The shape, size, and morphology of resultant AC-AgNPs are examined by optical spectroscopy analysis such as UV for nucleation and coalescence processes of the AC-AgNPs. Through FTIR functional group is determined and through DLS size is defined, it was confirmed that metallic AgNPs were successfully synthesized through the green synthesis route, and these results agreed well with the results obtained in the XRD pattern along with TEM spectroscopy, where the TEM images confirm the formation of sphere-like nanostructures along with SAED analysis. The chemical characterization is performed with XPS; the obtained molecular species in the materials are determined from the energy profile. Antioxidant activity of AC-AgNPs versus DPPH substrate is carried out. Antibacterial activity is well established against Gram-negative and Gram-positive organisms. Cell viability is accomplished, followed by an MTT assay, and a cytotoxicity assay of AC-AgNPs on MCF—7 cell lines is also carried out. Highlights: (1). This study highlights the eco-friendly synthesis of silver nanoparticles from Allium cepa var. Aggregatum Natural Extract. (2). The synthesized AC-AgNPs were characterized by UV-VIS, FT-IR, XRD, TEM, and XPS. (3). The synthesized nanoparticles were well dispersed in nature and the size range of 35  $\pm$  8 nm. (4). The anti-candidal activity of biosynthesized silver nanoparticles was evaluated against the following Gram-Negative organisms: Escherichia coli (E. coli), and the following Gram-positive organisms: Staphylococcus aureus strains. The biosynthesized AC-AgNPs showed enhanced antiseptic features anti both Gram-positive and negative organisms. (5). Besides, the in vitro cytotoxic outcomes of AC-AgNPs were assessed versus MCF-7 cancerous cells, and the reduction in the feasibility of cancer cells was established via MTT assay, which suggests potential biomedical applications.

**Keywords:** silver nanoparticles; green synthesis; *Allium cepa* var. *Aggregatum* (shallot) extract; antibacterial activity; cytotoxicity

## check for updates

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Citation: Shanmugam, J.; Dhayalan, M.; Savaas Umar, M.R.; Gopal, M.; Ali Khan, M.; Simal-Gandara, J.; Cid-Samamed, A. Green Synthesis of Silver Nanoparticles Using Allium cepa var. Aggregatum Natural Extract: Antibacterial and Cytotoxic Properties. Nanomaterials 2022, 12, 1725. https://doi.org/10.3390/nano12101725

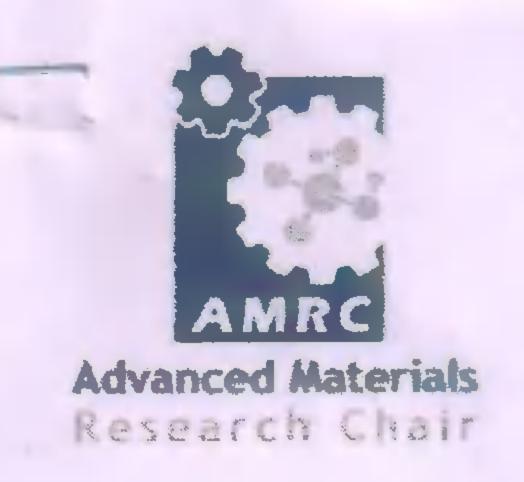
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Moonis Ali Khan Professor

## LETTER OF UNDERSTANDING

Dated: March 17th, 2021

To
The Principal
Islamiah College (Autonomous)
Vaniyambadi-635752
Respected Sir/Madam

Subject: Letter of Understanding for Collaborative research work - Reg.

I am very much interested to collaborate with Dr. S.U. Mohammed Riyaz, Assistant Professor, Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi, to carry out research work. Hope, this collaboration will explore novel research findings and get publications in peer review journals.

Thanking you

Yours Sincerely

Moonis Ali Khan, Ph.D.

Professor,

Chemistry Department,

College of Science,

King Saud University, Riyadh

Kingdom of Saudi Arabia.

Academic Editor: PlosOne; PlosWater

Guest editor Special Issue: Nanomaterials

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## LETTER OF UNDERSTANDING

17.03.2021

From

Professor: Mika Sillanpää

Department of Chemical Engineering

School of Mining, Metallurgy and Chemical Engineering

University of Johannesburg

P. O. Box 17011, Doornfontein 2028, South Africa

To

The Principal

Islamiah College (Autonomous)

Vaniyambadi-635752

#### Respected Sir/Madam

Sub: Letter of Understanding for Collaborative research work - Reg.

I am very much interested to collaborate with Dr. S.U. Mohammed Riyaz, Assistant Professor, Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi, to carry out a research work titled "Materials science". Hope, this collaboration will explore novel research findings and get publications in peer review journals.

Thanking you

Yours Sincerely

#### ARTICLE

**Materials and Corrosion** 

# Assessing bioorganic gum performance as a corrosion inhibitor in phosphoric acid medium: Electrochemical and computational analysis

Sathiyapriya T.<sup>1</sup> | Manikandan Dhayalan<sup>1</sup> | Jagadeeswari R.<sup>2</sup> | Rathika Govindasamy<sup>3</sup> | Mohammed Riyaz S. U.<sup>4</sup> | Moonis Ali Khan<sup>5</sup> | Mika Sillanpää<sup>6</sup>

<sup>1</sup>Department of Chemistry. Dr. Mahalingam College of Engineering and Technology, Coimbatore, Tamil Nadu, India <sup>2</sup>Department of Chemistry, KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India <sup>3</sup>Department of Chemistry, PSG College of Arts and Science, Coimbatore, Tamil nadu, India <sup>4</sup>Molecular Biology Unit, PG & Research Department of Biotechnology, Islamiah College, Vaniyambadi, Tamil Nadu, India <sup>5</sup>Chemistry Department, College of Science, King Saud University, Riyadh, Saudi Arabia

#### Correspondence

Vietnam

T. Sathiyapriya, Department of Chemistry, Dr. Mahalingam College of Engineering and Technology, Coimbatore 642 003, India.

<sup>6</sup>Environmental Engineering and

Management Research Group, Ton Duc

Thang University, Ho Chi Minh City,

Email: sathiyachallenges7@gmail.com

#### **Funding information**

Researchers Supporting Project, Grant/Award Number: RSP-2021/345

#### Abstract

The present investigation was aimed at exploring the anticorrosive behavior of bio-organic *Auraucaria heterophylla* gum exudate (AHGE) on mild steel (MS) corrosion in 1 M phosphoric acid solution by weight loss technique, electrochemical studies, and computational analysis. Additionally, the performance was analyzed by morphological and quantum chemical analyses. The weight loss data revealed that AHGE showed 80% of inhibition efficiency at 303 K temperature. Inhibitor adsorption on MS was in line with Langmuir and Tempkin adsorption isotherms. Potentiodynamic studies showed that the investigated AHGE performed as a mixed-type inhibitor. Electrochemical parameters like charge transfer resistance, double-layer capacitance, and inhibition efficiency were determined and presented. Results obtained through computational analysis, scanning electron microscopy/energy dispersive X-ray analysis, and atomic force microscopy studies were well supported by the inhibitive potential of AHGE.

#### KEYWORDS

acid medium, computational analysis, corrosion, electrochemical studies, mild steel

#### 1 INTRODUCTION

Corrosion can be popularly pronounced as a deteriorative loss of a metal as a consequence of dissolution due to chemical or electrochemical reactions. Mild steel (MS) is

one of the most familiar metals engaged broadly in a wide range of industries. During a number of industrial procedures, acidic solutions are generally used for the elimination of impurities, rust, and others. However, the main problem of exposing MS in acidic

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## ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI-635752 Department of Biochemistry

## COLLOBORATIVE ACTIVITIES

## (During the Last Five Years from 2017-18 to 2021-22)

| S.<br>No. | Academic<br>Year | Name of the collaborating firm/Agency/Institution | Name of the collaboration | No. of student benefitted |
|-----------|------------------|---|---------------------------|---------------------------|
| 1.        | 2017-2018        | VANITEC, Vaniyambadi                              | Industrial visit          | 31                        |
| 2.        | 2018-2019        | VANITEC, Vaniyambadi                              | Industrial visit          | 45                        |
| 3.        | 2018-2019        | Genewin Biotech, Hosur                            | Training Program          | 29                        |

Dr. A. GOKULAKRISHNAN, M.Sc., M.Phil., Ph.D.

Assistant Professor & Research Supervisor, P.G. & Research Department of Biochemistry, ISLAMIAH COLLEGE (Autonomous)
New Town, Vanlyambadi-635 752.

PRINCIPAL

ISLAMIAH COLLEGE (AUTONOMOUS)

VANIYAMBADI - 2.

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# ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI – 635 752 Department of COMMERCE (Computer Applications)

## COLLABORATIVE ACTIVITIES

(During the last five years from 2017-18 to 2021-22)

| S.NO. | Academic<br>Year | Name of the collaborating Firm/Agency/Institution | Nature of Collaboration* | No. of students benefitted |
|-------|------------------|---|--------------------------|----------------------------|
| 1     | 2017-18          | FLORAM SHOES PVT.LTD                              | Internship               | 05                         |
| 2     | 2017-18          | EVOLET TECHNOLOGIES, Bangalore                    | Internship               | 01                         |
| 3     | 2017-18          | CAMEO CORPORATE SERVICE LTD,                      | Internship               | 10                         |
| 4     | 2017-18          | CHENNAI PORT TRUST, Chennai                       | Internship               | 09                         |
| 5     | 2017-18          | N.M.ZACKERIA & CO, Thuthipet, Ambur               | Internship               | 05                         |
| 6     | 2017-18          | Mohib Shoes Pvt Ltd, Ambur                        | Internship               | 12                         |
| 7     | 2017-18          | Vanitech Ltd, Valayampet, Vaniyambadi             | Internship               | 09                         |
|       | 2017-18          | Farida Classic Shoes Pvt Ltd, Ambur               | Internship               | 05                         |
| 8     | 2018-19          | CAMEO CORPORATE SERVICE LTD,                      | Internship               | 09                         |
| 9     | 2018-19          | HOTEL CHENNAI LE PALACE, Chennai                  | Internship               | 05                         |
| LO    | 2018-19          | KARVY STOCK BROKING LTD,                          | Internship               | 02                         |
| 11    | 2018-19          | MUQTHAR & CO, Ambur                               | Internship               | 07                         |
| 12    | 2018-19          | Vanitech Ltd, Valayampet, Vaniyambadi             | Internship               | 16                         |
|       | 2018-19          | Thirupattur Co-operative Sugar Mills Ltd          | Internship               | 15                         |
| .3    | 2019-20          | ALASKA GLOVES INDUSTRIES                          | Internship               | 03                         |
| 4     | 2019-20          | M A SALEEM & CO                                   | Internship               | 05                         |
| .5    | 2019-20          | MOHIB SHOES PVT. LTD                              | Internship               | 05                         |
| 6     | 2019-20          | PALAR SHOES PVT. LTD                              | Internship               | 05                         |
| 7     | 2019-20          | Farida Classic Shoes Pvt Ltd, Ambur               | Internship               | 05                         |

HEAD OF THE DEPARTMENT

Associant Professor & Asect

Dept of Cammurce (Computer Applications)

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PRINCIPAL

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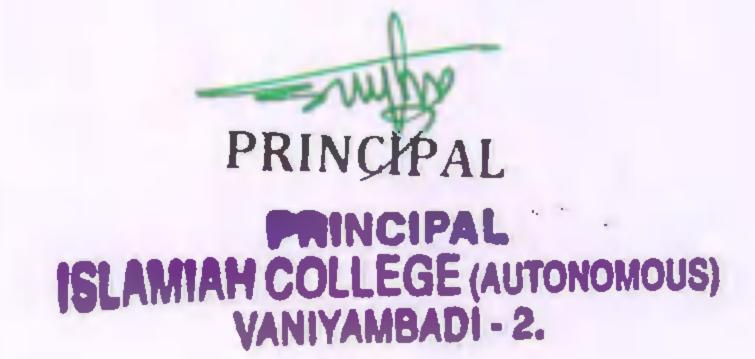
# ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI – 635 752 Department of COMMERCE (Computer Applications)

## COLLABORATIVE ACTIVITIES

|    |              | THE ACTIVE                       |            |    |
|----|--------------|----------------------------------|------------|----|
| 18 | 2019-20      | Vanitech Ltd. Valovana L. V.     |            |    |
| 19 | 2019-20      | The Ltu, Valayampet, Vaniyamhadi | Internship | 21 |
|    |              | - John Exports, Vaniyambadi      | Internship | 02 |
| 20 | 2019-20      | JOSHAL ET CO-OFEKALIVE BANK      | Internship | 01 |
| 21 | 2019-20      | HIBA TANNERY, Vaniyambadi        | Internship |    |
| 22 | 2019-20      |                                  |            | 01 |
| 23 | 2019-20      |                                  | Internship | 01 |
| 24 | 2020-21      |                                  | Internship | 02 |
| 25 |              | - Vanite Cir Ltu, vaniyambadi    | Internship | 15 |
|    | 2020-21      | MASALEEM & CO                    | Internship | 04 |
| 26 | 2020-21      | MOHIB SHOES PVT. LTD             | Internship | 04 |
| 27 | 2020-21      | Farida Shoes Pvt Ltd, Ambur      | Internship |    |
| 28 | 2020-21      | SMF EXPORTS                      |            | 05 |
| 29 | 2020-21      | TVS MOTORS                       | Internship | 05 |
| 30 | 2020-21      |                                  | Internship | 05 |
|    |              | HYUNDAI MOTORS                   | Internship | 04 |
| 31 | 2020-21      | STATE BANK OF INDIA              | Internship | 02 |
| 32 | 2020-21      | ASTON SHOES PVT LTD              | Internship | -  |
| 33 | 2020-21      | BALALJI TRADERS                  |            | 02 |
| 34 | 2020-21      | MUNEER LEATHERS                  | Internship | 01 |
| 35 | 2020-21      | ROYAL ENFIELD                    | Internship | 01 |
| 36 |              |                                  | Internship | 05 |
| 37 |              | BAJAJ AUTOMOBILES                | Internship | 02 |
|    | <del> </del> | EJAZ TANNING                     | Internship | 01 |
| 38 | 2020-21      | MATHA ENTERPRISES                | Internship |    |
| 39 | 2021-22      | Farida Shoes Pvt Ltd, Ambur      |            | 01 |
|    |              |                                  | Internship | 14 |

HEAD OF THE DEPARTMENT

Assistant Professor & Head
Dept of. Commerce (Computer Applications;
tslamiah College (Autonomous)
Vanivamuadi - 635 752



## ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI – 635 752 Department of COMMERCE (Computer Applications)

## COLLABORATIVE ACTIVITIES

| 40 | 2021-22 | Farida Classic Shoes Pvt Ltd, Ambur |            |    |
|----|---------|-------------------------------------|------------|----|
| 41 | 2021-22 | STATE BANK OF INDIA LTD             | Internship | 03 |
| 42 | 2021-22 | ASHOK LEYLAND LTD                   | Internship | 01 |
| 43 | 2021-22 |                                     | Internship | 04 |
| 44 | 2021-22 |                                     | Internship | 06 |
| 45 | 2021-22 | ROYAL EAGLE EXPORT                  | Internship | 03 |
| 46 | 2021-22 |                                     | Internship | 02 |
| 47 | 2021-22 | SUGIAYA SHOES                       | Internship | 05 |
| 47 | 2021-22 | HIJAZ KURODA GLOVES CO              | Internship | 01 |
| 47 | 2021-22 | VANI TECH LTD                       | Internship | 01 |
| 48 | 2021-22 | MOHIB SHOES PVT LTD                 | Internship | 05 |
| 19 | 2021-22 | AXA LEATHER GROUP                   | Internship | 10 |
| 0  | 200     | AYSHA SABEEL & CO                   | Internship | 04 |
| 1  |         | TRADE MENTOR PVT LTD                | Internship | 01 |
| 2  | 200-    | TIPU & CO                           | Internship | 04 |
| 3  | 2004    | GRC ASSOCIATES                      | Internship | 05 |
|    |         |                                     | Internship | 01 |

HEAD OF THE DEPARTMENT

a. MUQTHAR AHMED M. Com., M. Phil, Assistant Professor & Head

Dept of, Commerce (Computer Applications: tsiamiah College (Antonomous)

Vanivambadi - 635 752

PRINCIPAL ISLAMIAH COLLEGE (AUTONOMOUS)
VANIYAMBADI - 2. SHODHSAMHITA: JOURNAL OF FUNDAMENTAL & COMPARATIVE RESEARCH

**VOL. VII, NO. 11:2021** 

ISSN: 2277-7067

# PERCEIVED EFFECTS OF GOODS AND SERVICES TAX ON TRADE FROM RETAILER'S PERSPECTIVE: EXPLORATIVE STUDY

Dr. M.A. Bilet Ahmed, Assistant Professor

Department of Commerce (Finance & Accounts)

Islamiah College (Autonomous), Vaniyambadi — 635 752

Email id: mabilalahmed@gmail.com

Affiliated to Thiruvalluvar University

Dr. R. Suresh Babu, Assistant Professor

Research Department of Commerce Sir Theagaraya College

Chennai – 600021, Tamil Nadu, Chennai

Emailid: swisssuresh@gmail.com

Affiliated to University of Madras

#### **Abstract**

Goods and Services Tax (GST) is a tax which is imposed on goods and services sold to consumers for their consumption. Government enacted an act on Goods and Services Tax on 29th March 2017. Later, it came into being with effect from 1th July 2017. There used to be many indirect tax laws in India which were replaced by Goods and Service Tax laws. Goods and Services Tax in which, tax is imposed on every value addition in other words; tax is imposed on every point of sale. This is because, Goods and Services Tax is known as comprehensive, multistage and destination based tax. In this study, A well structure questionnaire was circulated among 100 retailers of these units spreading across Chennai city thereby responses had been elicited. Sample size of this study is 100. Research design is survey based. Simple random sampling was used as it gives equal opportunity for the retailers to be included. Data was used for analysis to arrive at findings based on the response obtained from retailers situated across

Keywords: GST, GDP, IGST, SGST, CGST and VAT

### 1. INTRODUCTION

Goods and Services Tax (GST) is a tax which is imposed on goods and services sold to consumers for their consumption. Government enacted an act on Goods and Services Tax on 29th March 2017. Later, it came into being with effect from 1th July 2017. There used to be many indirect tax laws in India which were replaced by Goods and Service Tax laws. Goods and Services Tax in which, tax is imposed on every value addition in other words; tax is imposed on every point of sale. This is because, Goods and Services Tax is known ascomprehensive, multistage and destination based tax. Goods and Services Tax is levied at every point of sale starting from purchase of raw materials to production of goods to warehousing the produced commodities to sale to wholesaler to sale of the product to retailer to finally sale to end consumers. Thus Goods and Services Tax meets various stages at the time of its imposition. Goods and Services Tax is also called Destination based. The reason is that GST is imposed at a particular place which takes over its entire benefits. Goods and Services Tax accrues benefits to a state where it is imposed irrespective of where it is manufactured.

### Parts of Goods and Services Taxes

Goods and Services Tax is split into four categories as namely below.

• Central Goods and Services Tax (CGST): It denotes a tax which is imposed by Central Government by the intra state sales (within Tamil Nadu or any other state in India). It is a part of GST. It generates revenue for central government. Central excise duty, Additional Excise duty, Special Excise Duty, Central Sales Tax, and Service Tax have been put together and named as Central Goods and Services Taxes.



# PG & RESEARCH DEPARTMENT OF COMMERCE ISLAMIAH COLLEGE (AUTONOMOUS) NEW TOWN, VANIYAMBADI – 635 752

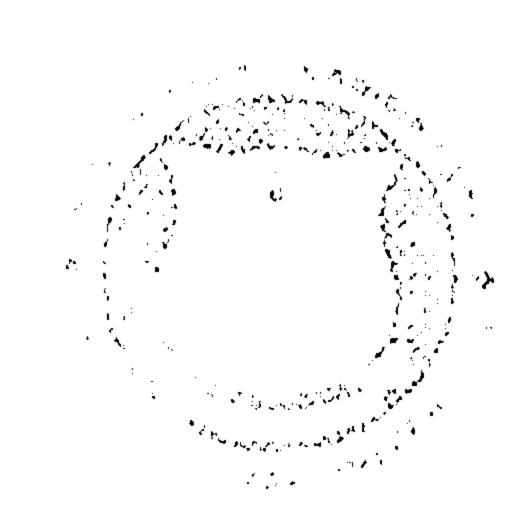
## Collaborative Activities

## (During the last five years from 2017-18 to 2021-22)

| No. | Academic<br>Year | Name of The Collaborating Agency/Firm/Institution   | Nature of Collaboration                                  | No. of Students Benefited |
|-----|------------------|---|--|---------------------------|
| 01  | 2017-18          | Naps (India) Shoes Pvt. Ltd. Ambur,<br>Tamil Nadu   | Industrial Visit   | 36                        |
| 02  | 2017-18          | Footwear Design And Development<br>Insitute –Fddi, Chennai  | Hands on Training In<br>Shoes Stitching And<br>Designing | 36                        |
| 03  | 2018-19          | Naps (India) Shoes Pvt. Ltd., Ambur,<br>Tamil Nadu  | Industrial Visit   | 24                        |
| 04  | 2018-19          | Mohib Shoes Pvt Ltd, 150/2a, Ambur-<br>Vaniyambadi Main Road,<br>Vinamangalam Village, Ambur-<br>635807 | Industrial Visit   | 24                        |
| 05  | 2019-20          | Mohib Shoes Pvt Ltd, 150/2a, Ambur-<br>Vaniyambadi Main Road,<br>Vinamangalam Village, Ambur-<br>635807 | Industrial Visit   | 39                        |
| 06  | 2019-20          | Farida Shoes Private Limited, D-Unit,<br>Chinnavarikkam - 635811 Industrial Visit                       |  | 39                        |
| 07  | 2019-20          | Naps (India) Shoes Pvt. Ltd. Ambur,<br>Tamil Nadu   | Industrial Visit   | 39                        |
| 08  | 2021-22          | Mohib Shoes Pvt Ltd, 150/2a, Ambur-<br>Vaniyambadi Main Road,<br>Vinamangalam Village, Ambur-<br>635807 | Industrial Visit   | 44                        |
| 09  | 2021-22          | N.M. Zackriah & Co. Thuthipet, Ambur, 635 811, Tamil Nadu   | Industrial Visit   | 44                        |
| 10  | 2021-22          | Naps (India) Shoes Pvt. Ltd. Ambur,<br>Tamil Nadu   | Industrial Visit   | 44                        |

ISLAMIAH COLLEGE (AUTONOMOUS)
VANIYAMBADI - 2.

P.G. & RESEARCH DEPT. OF COMMERCE ISLAMIAH COLLEGE (AUTONOMOUS)
VANIYAMBADI - 635 752



# MUNALLUVAR UNIVERSITY

(State University - According with "B." Grade by Nake)
SERMADU, VELLORE - 632 115

Dr. S. SYED SHAFI, M.Sc., M.Phil., E.Ed., Ph.D.,

数点。不够到了题。这一题。我感到这些的对方。这个是自己人

1997 ( Baste 13/07/2021

ψ. ()

The Principal,
Islamiah College, Vaniyambadi-635 752, Tirupattur
Sir/Madam,

Sub: Thiruvailuvar University - 2019 Regulation - V.PRIYA - Approval of Ph.D. Registration - Intimation - Rea.

Ref: Registration application, dated 12.07.2021

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6.5 95/67/2021 vide reference cited. The scholar shall be governed as per the Ph.D. regulations effective from 2019.

The Scholar registered as a <u>Part-Time</u> scholar shall submit the Doctoral Thesis after the expiry of minimum period and before the expiry of the maximum period as given below. If the scholar fails to submit the Doctoral Thesis within the expiry of the maximum period, his/her Ph.D. registration would stand concelled without any further notification.

| स्ट्राक्ष्यक्ष्या इन्याक्ष्य   | Ph. D. /2019/19CETEX1071/  |   |  |  |  |
|--|--|---|--|--|--|
| विषेद्धाव कर्राधिक इद्रिक्षेत्रह   | By En By By My   | ***************************************   |  |  |  |
| रुष्टाधार एर् स्वरं द्वार्धि   | ित्र र त्रिक १८० १ विकास १८० १ | Br. Axad Basha G Assistant Professor Department of Commerce,<br>Islamiah Callege, Vaniyambadi-635 752 |  |  |  |
| र्देश्य हो १८ दिन हो १८ १  | M. Corn[CCMMRERCE] M. Phil.  |   |  |  |  |
| Registration Casesony  | FICIES ~ FILLS   | ** ************************************   |  |  |  |
| क्षेत्रक्षेत्र सिक्याहरू सिक्याहरू   | E. Cy 4.3.8 k.8.2 b. C. 12.  | tros en   | скога актором мурако е поске ема мена поске и поске поске поске поске поске поске печение мена е мене емене ем |  |  |
| किर्देशक में स्थापन कि लागा के स्थापन के स्थाप | Three Years [III OA/OF/2024] Maximum Period Six years                          |   |  |  |  |
| क्षिरक्षत्र हिंद्ध / हिंदि।  | Human Resources Management   |   |  |  |  |

Further, if the scholar posses or does not possess M.Phil. degree, he/she have to undergo and qualify for a two credit pre registration course work for confirmation of their registration as per UGC norms. Based on the reports of the Course Work examination the provisional registration of the scholar will be confirmed. Only after the approval of the Course Work Examination by the University the scholar shall be permitted to continue his / her research work. The Supervisor is informed to constitute DC within 10 days from the receipt of this order.

Yours faithfully,

LODY to:

1. The Controller of Examinations, Thiruvailluvar University. REGISTRAR I/a

- 2. Supervisor: Dr. Azad Basha G Assistant Professor Dept. of Commerce, Islamiah College, Vaniyambodi-635.752
- 3. <u>Schafan V.PRIYA, No.61-7 Menu StreetSathuma Nagar Chennas 600019</u>
- Juint Supervisor: Dr. Y. Lokesward Choudory, Assistant Professor, Govt. Arts College for Men, Department of Commerce Mondanom, Chennal-600 035



# UNIVERSITY OF MADRAS

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University Ment Mathie University Countempers Finilicalence. Charachere. Charachere. Charachere.

No: D.2/Ph.D GUIDE Recogn. / 2015 / /84/8

From

The Registrar

University of Madras Chennal - 500 005.

Mr. Y. Lokeswara Choudary.

Assistant Professor. Department of Commerce.

Government Arts College, Nandanam, Chennai 600 035.

Sir,

\*\*

Sub: Recognition as a Supervisor to guide Ph.D. students - Reg.

Ref: Your Application dated 30.06.2014.

\*\*\*\*\*

With reference to your application cited above, I am by direction, to inform that you have been recognized as Supervisor for guiding students leading to the award of the Ph.D. Degree in Commerce of this University subject to the following conditions:

- 1. As per the Ph. D. regulations para 7.2 governing Ph.D. Degree, the total number of candidates who can be registered for the Ph.D. programme, both full-time and part-time under a Supervisor, at any point of time shall not exceed TEN (including Re-registered candidates) for a Supervisor working in the University Departments, Affiliated Colleges
- 2. A Supervisor will be permitted to guide Ph.D within the total number of TEN students from University of Madras and other Universities in Tamilnadu
- 3. A Supervisor shall not guide his/her immediate or close relative and to this effect he/she shall furnish a declaration in the column provided in the application form for admission. A supervisor shall not be permitted to register candidates for Ph.D. in the last one year of his/her service.
- 4. Whenever the Supervisors are transferred from their present place of employment to another place, the same should be intimated to the University, through proper channel, for approval of continuance of Supervisorship of candidates registered under them.
- 5. The Supervisors who wish to avail leave/lien/deputation beyond a period of SIX MONTHS shall nominate co-guides in the concerned subject for the candidates registered with them and the fact intimated to the University well in advance.
- 6. Further you are prohibited from acting as 'External Part-time PhD Guide' for other Universities.

Yours faillifuily,

Copy to: 1. The Principal, Government Arts College, Nandanam, Chennai 600 035...

2. The Section Officer, Ph.D. Section (Registration / Evaluation).

3. Stock File (D2).

Website: www.tvu.edu.in Email: centreforresearch@tvu.edu.in Phone: (0416)2274747

Fax: (0416)2274748



# திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY

(State University – Accredited with "B+" Grade by NAAC) SERKADU, VELLORE – 632 115.

Dr.M.Chandran, M.Sc., M.Phil., B.Ed., Ph.D., Director-in-charge

TVU/CFR/Ph.D.,/Doctoral Committee/Approval/2022/1915

To

Dr.G.Azad Basha,
Assistant Professor,
Department of Commerce,
Islamiah College (Autonomous), Vaniyambadi– 635 752.

Sir/Madam,

Sub: Thiruvalluvar University, Vellore – CFR – Ph.D., Regulation 2018 - Doctoral Committee of the

Candidate Mrs. V. Priya,

Ph.D./2019/19CETEX1071 w.e.f

05.07.2021

-----

Approved intimation - Reg.

Ref: Your letter dated 29.08.2022

\*\*\*\*\*\*\*\*

With reference to your letter cited, I am to inform you that the Doctoral Committee constituted by you with the following members to examine and to monitor the research work of Mrs.V.Priya, Part - Time Research Scholar in Commerce, Islamiah College (Autonomous), Vaniyambadi is approved.

|     | Dr.G.Azad Basha,                        | Convener   |
|-----|---|------------|
| 1   | Assistant Professor,                    | Convene    |
|     | Department of Commerce,                 |            |
|     | Islamiah College (Autonomous),          |            |
|     | Vaniyambadi.635 752                     |            |
|     | Dr.Y.Lokeswara Choudary,                |            |
| 2   | Assistant Professor,                    | Co - Guide |
|     | Department of Commerce,                 | 3          |
|     | Government Arts College for Men,        |            |
| ·   | Chennai-600 035                         |            |
|     | Dr.T.Mohamed Ilyas,                     | Member     |
| 3   | Principal & Head,                       | IVICIIIOCI |
|     | Department of Commerce,                 |            |
|     | Islamiah College (Autonomous),          |            |
|     | Vaniyambadi - 635 752.                  |            |
|     | Dr.C.Nithya,                            | Member     |
| 4   | Assistant Professor & Head,             |            |
| - t | Department of Commerce Commerce,        |            |
| -   | Marudhar Kesari Jain College for Women, |            |
|     | Vaniyambadi - 635 751                   |            |

Director-in-charge

Email: <a href="mailto:centreforresearch@tvu.edu.in">centreforresearch@tvu.edu.in</a>
Email: <a href="mailto:phd-cfr@tvu.edu.in">phd-cfr@tvu.edu.in</a>
Phone: (0419)2874747



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY

(State University – Accredited with "B+" Grade by NAAC) SERKKADU, VELLORE – 632 115

Dr.R.Vijayaragavan, M.Sc., M.Phil., B.Ed., Ph.D., Registrar i/c.

No. TVU/CFR/Ph.D. Registration/2021/ 52.6

Daie: 3021

To

The Principal,

Islamiah College (Autonomous),

Vaniyambadi - 635 752.

Sir/Madam,

Sub: Thiruvalluvar University — 2019 Regulation — KALPANA B - Approval of Ph.D.

Registration - Intimation - Reg.

Ref: Registration application, dated 16.12.2021

\*\*\*\*

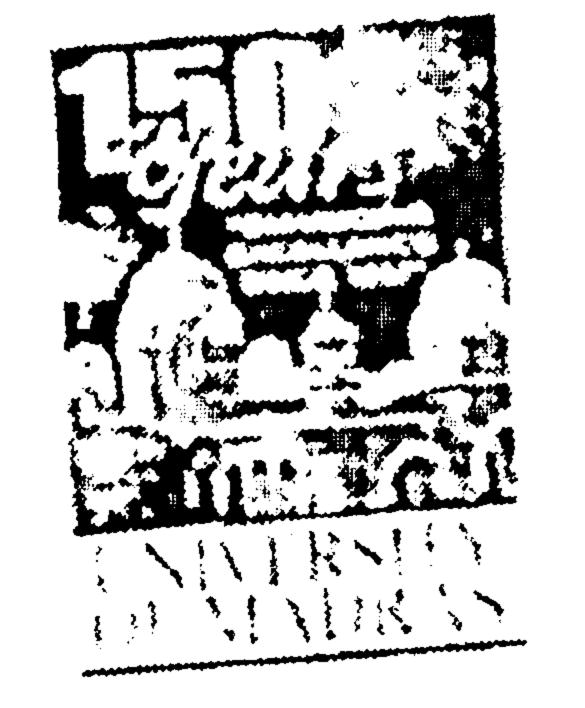
It is informed that the Ph.D. registration of the aforementioned scholar is approved with effect from 21/09/2021 vide reference cited. The scholar shall be governed as per the Fh.D. regulations effective from 2019.

The Scholar registered as a <u>PART-TIME</u> scholar shall submit the Doctoral Thesis after the expiry of minimum period and before the expiry of the maximum period as given below. If the scholar fails to submit the Doctoral Thesis within the expiry of the maximum period, his/her Ph.D. registration would stand cancelled without any further notification.

| Registration Number             | Ph.D./2021/1089   |  |                               |  |
|---------------------------------|---|--|-------------------------------|--|
| Name of the Scholar             | KALPANA B   |  |                               |  |
| Name of the Guide               | Dr.S.THAMEEMUL ANSARI, Assistant Professor, Department of Commerce, Islamiah College (Autonomous), Vaniyambadi - 635 752. |  |                               |  |
| Name of the Joint<br>Supervisor | Dr.S.THOTHADRI, A   | والمناز والمنا | pariment of Commerce, The New |  |
| Name of the Co-Guide            | Dr.D. VETRIVELAN, Assistant Professor, Department of Management Studies, Don Bosco College, Yelagiri Hill - 635 853.      |  |                               |  |
| Basic Degree                    | M.B.A.,   |  |                               |  |
| Registration Category           | PART - TIME [External]  |  |                               |  |
| Subject Registered              | MANAGEMENT STUDIES-COMMERCE-INTERDISCIPLINARY   |  |                               |  |
| Minimum Period                  | Four Years [fill 20/09/2025]  | Maximum Period   | Six years [till 20/09/2027]   |  |
| Broad field / Title             | HUMAN RESOURCE MANAGEMENT TRANING AND DEVELOPMENT   |  |                               |  |



# TERSITY OF MADRAS



to mahlished under the Aet of Incorporation XXVII of 1857 - Madras University Mel) [State University]

Centenary Buildings, Chepauk, Chennai 600 005.

No: D.2/Ph.D GUIDE Recogn/Part-Time/2011/ 2530

-. 7 OCT 2011 Date.

From The Registrar i/c University of Madras Chennai - 600 005

Dr.S. Thothadri

Assistant Professor, Department of Corporate Secretaryship

The New College, Chennai - 600 014.

Sir

Sub Recognition as a Supervisor to guide Ph D. students in Corporate Secretaryship - Reg

Rel Your Application dated: 15.04.2011.

With reference to your application cited above, I am by direction, to inform you that you have been recognized as Supervisor for guiding students leading to the award of the Ph.D. Degree in Corporate Secretaryship on Part-Time basis of this University subject to the following conditions:-

- 1. As per the Ph. D. regulations para 7.2 governing Ph.D. Degree (with effect from July 2010), the total number of candidates who can be registered for the Ph.D. programme, both full-time and part-time under a Supervisor, at any point of time shall not exceed EIGHT (including Re-registered candidates) for a Supervisor working in the University Departments, Affiliated Colleges and Research Institutions.
- A Supervisor shall not guide his/her immediate or close relative and to this effect he/she shall furnish a declaration in the column provided in the application form for admission. A supervisor shall not be permitted to register candidates for Ph.D. in the last one year of his/her service.
- 3. Wheneve the Supervisors are transferred from their present place of employment to another place, the same should be intimated to the University, through proper channel, for approval of continuance of Supervisorship of candidates registered under them
- 4. The Supervisors who wish to avail leave/lien/deputation beyond a period of SIX MONTHS shall nominate co-guides in the concerned subject for the candidates registered with them and the fact intimated to the University well in advance.

Copy to: 1 The Principal, The New College, Chennai – 600 014.

2 The Section Officer, Ph D. Section (Registration / Evaluation)

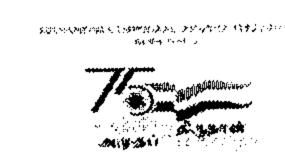
3. Stock File (D2)

Yours faithfully.

Website: www.tvu.edu.in Email: centreforresearch@tvu.edu.in Phone: (0416)2274747 Fax: (0416)2274748



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY



(State University – Accredited with "B +" Grade by NAAC) SERKADU, VELLORE – 632 115.

Dr.M.Chandran, M.Sc., M.Phil., B.Ed., Ph.D.,

Director-in-charge

TVU/CFR/Ph.D.,/Doctoral Committee/Approval/2022/ 1042

Date: 5\_.01.2022

To

Dr.S.Thameemul Ansari,
Assistant Professor,
Department of Commerce,
Islamiah College (Autonomous),
Vaniyambadi– 635 752.
Sir/Madam,

Sub: Thiruvalluvar University, Vellore - CFR - Ph.D., Regulation 2019 - Doctoral Committee

of the Candidate Ms.Kalpana.B, Ph.D/2021/1089 w.e.f

21.09.2021

Approved intimation - Reg.

Ref: Your Letter dated 05.01.2022

\*\*\*\*\*\*

With reference to your letter cited, I am to inform you that the Doctoral Committee constituted by you with the following members to examine and to monitor the research work of Ms.Kalpana, Part - Time Research Scholar in Management Studies-Commerce-Interdisciplinary, Islamiah College (Autonomous), Vaniyambadi is approved.

| • | Dr.S.Thameemul Ansari,                      | Convener     |
|---|---|--------------|
| 1 | Assistant Professor,                        |              |
|   | Department of Commerce,                     |              |
|   | Islamiah College (Autonomous), Vaniyambadi. |              |
|   | Dr.S.Thothadri,                             | Joint -      |
| 2 | Assistant Professor of Commerce,            | Supervisor / |
|   | The New College (Autonomous), Chennai.      | Co - Guide   |
|   | Dr.T.Mohamed Ilyas,                         | Member       |
| 3 | Principal & Head,                           |              |
|   | Department of Commerce,                     |              |
|   | Islamiah College (Autonomous), Vaniyambadi. |              |
|   | Dr.D.Vetrivelan,                            | Member       |
| 4 | Assistant Professor,                        |              |
|   | Department of Commerce Management           |              |
|   | Studies,                                    |              |
|   | Don Bosco College, Yelagiri Hills.          |              |

Director-in-charge

It is requested that all communications should be addressed to The Director, Centre for Research, Thiruvalluvar University and not to any person by name.

Email: <a href="mailto:centreforresearch@tvu.edu.in">centreforresearch@tvu.edu.in</a>
Email: <a href="mailto:phd-cfr@tvu.edu.in">phd-cfr@tvu.edu.in</a>
Phone: (0419)2874747



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY



(State University – Accredited with "B+" Grade by NAAC) SERKKADU, VELLORE – 632 115

Dr.R. Vijayaragavan, M.Sc., M.Phil., B.Ed., Ph.D., Registrar i/c.
No. TVU/CFR/Ph.D. Registration/2021/

Date: 1.12.2021

To

The Principal, Islamiah College (Autonomous), Vaniyambadi - 635 752.

Sir/Madam,

Sub: Thiruvalluvar University - 2019 Regulation - AFFAN MUAZ K - Approval of Ph.D.

Registration - Intimation - Reg.

Ref: Registration application, dated: 14.12.2021

\*\*\*\*

It is informed that the Ph.D. registration of the aforementioned scholar is approved with effect from 14.12.2021 vide reference cited. The scholar shall be governed as per the Ph.D. regulations effective from 2019.

The Scholar registered as a <u>PART-TIME</u> scholar shall submit the Doctoral Thesis after the expiry of minimum period and before the expiry of the maximum period as given below. If the scholar fails to submit the Doctoral Thesis within the expiry of the maximum period, his/her Ph.D. registration would stand cancelled without any further notification.

| Registration Number             | Ph.D/2021/6326   | · · · · · · · · · · · · · · · · · · · |  |  |
|---------------------------------|--|---------------------------------------|--|--|
| Name of the Scholar             | AFFAN MUAZ K   |                                       |  |  |
| Name of the Guide               | Dr.MEHABOOB DSA, Assistant Professor, Department of Commerce, Islamiah<br>College (Autonomous), Vaniyambadi.                                     |                                       |  |  |
| Name of the Joint<br>Supervisor | Dr.S.THOTHADRI, Assistant Professor, Dept. of Commerce, The New College (Autonomous), Chennai.   |                                       |  |  |
| Basic Degree                    | M.COM., [COMMERCE]   |                                       |  |  |
| Registration Category           | PART TIME  |                                       |  |  |
| Subject Registered              | COMMERCE   |                                       |  |  |
| Minimum Period                  | Four Years [till 13.12.2025]  Maximum Period  [till 13.12.2027]  |                                       |  |  |
| Broad field / Title             | Organisational commitment and Employee Performance An investestigative study into the Teacher of Arts and Science college in Tirupattur District |                                       |  |  |

Further, it is informed that the Provisional Registration will be confirmed only after the successful completion of course works as per the Ph.D. regulation 2019 of Thiruvalluvar University. In addition the candidate has to undergo the "Research and Publication Ethics" paper as recommended by UGC. Only after the approval of the Course Work Examination by the University the scholar shall be permitted to continue his / her research work. The Supervisor is informed to constitute DC within 10 days from the receipt of this order.

Yours faithfully,

REGISTRAR i/c

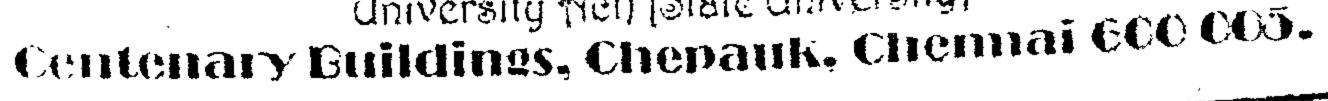
Copy to:

- 1. <u>Supervisor</u>: **Dr.MEHABOOB DSA**, Assistant Professor, Dept. of Commerce, Islamiah College (Autonomous), Vaniyambadi 635 752.
- 2. <u>Joint Supervisor</u>: Dr.S.THOTHADRI, Assistant Professor, Dept. of Commerce, The New College (Autonomous), Chennai 600 014.
- 3. <u>Scholar</u>: AFFAN MUAZ.K, 20-13 V.M.Dasthagir Street, Teachers Colony Khaderpet, Vaniyambadi Vellore Dist 635751.



## UNIVERSITY OF MADRAS

(Established under the Met of Incorporation XXVII of 1857 - Madras
University Met) (State University)





No: D.2/Ph.D GUIDE Recogn / Part-Time / 2011/ 2530

Date: 7 0 CT 201

From

The Registrar i/c University of Madras Chennai – 600 005

Dr.S. Thothadri

-Assistant Professor, Department of Corporate Secretaryship.
The New College, Chennai - 600 014.

Sir

Sub. Recognition as a Supervisor to guide Ph D. students in Corporate Secretaryship – Reg.

Ref. Your Application dated: 15.04.2011.

With reference to your application cited above, I am by direction, to inform you that you have been recognized as Supervisor for guiding students leading to the award of the Ph.D. Degree in Corporate Secretaryship on Part-Time basis of this University subject to the following conditions:-

- 1. As per the Ph. D. regulations para 7.2 governing Ph.D. Degree (with effect from July 2010), the total number of candidates who can be registered for the Ph.D. programme, both full-time and part-time under a Supervisor, at any point of time shall not exceed EIGHT (including Re-registered candidates) for a Supervisor working in the University Departments, Affiliated Colleges and Research Institutions.
- 2 A Supervisor shall not guide his/her immediate or close relative and to this effect he/she shall furnish a declaration in the column provided in the application form for admission. A supervisor shall not be permitted to register candidates for Ph.D. in the last one year of his/her service.
- 3. Whenever the Supervisors are transferred from their present place of employment to another place, the same should be intimated to the University, through proper channel, for approval of continuance of Supervisorship of candidates registered under them
- 4. The Supervisors who wish to avail leave/lien/deputation beyond a period of SIX MONTHS shall nominate co-guides in the concerned subject for the candidates registered with them and the fact intimated to the University well in advance.

Copy to: 1 The Principal, The New College, Chennai - 600 014.

2. The Section Officer, Ph.D. Section (Registration / Evaluation)

3. Stock File (D2)

Yours faithfully,

REGISTRAR UC

Website: www.tvu.edu.in Email: centreforresearch@tvu.edu.in Phone: (0416)2274747 Fax: (0416)2274748



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY

SOCIALAN SAL COMPAGNAN SALCONICA SCRUPTURA

SURVINIA MARIONALIA

(State University – Accredited with "B +" Grade by NAAC) SERKADU, VELLORE – 632 115.

Dr.M.Chandran, M.Sc., M.Phil., B.Ed., Ph.D.,

Director-in-charge

TVU/CFR/Ph.D.,/Doctoral Committee/Approval/2022/ (037)

Date: 2\_\_.01.2022

To

Dr.D.S.A.Mehaboob,
Assistant Professor,
Department of Commerce,
Islamiah College (Autonomous),
Vaniyambadi- 635 752.
Sir/Madam,

Sub: Thiruvalluvar University, Vellore – CFR – Ph.D., Regulation 2019 - Doctoral Committee of the Candidate Mr.K.Affan Muaz, Ph.D/2021/6326 w.e.f 14.12.2021 – Approved intimation – Reg.

Ref: Your Letter dated 07.01.2022

\*\*\*\*\*

With reference to your letter cited, I am to inform you that the Doctoral Committee constituted by you with the following members to examine and to monitor the research work of Mr.K.Affan Muaz, Part - Time Research Scholar in Commerce, Islamiah College (Autonomous), Vaniyambadi is approved.

|   | Dr.D.S.A.Mehaboob,                          | Convener     |
|---|---|--------------|
| 1 | Assistant Professor,                        | •            |
|   | Department of Commerce,                     |              |
|   | Islamiah College (Autonomous), Vaniyambadi. |              |
|   | Dr.S.Thothadri,                             | Joint -      |
| 2 | Assistant Professor of Commerce,            | Supervisor / |
|   | The New College (Autonomous), Chennai.      | Co - Guide   |
|   | Dr.T.Mohamed Ilyas,                         | Member       |
| 3 | Principal & Head,                           |              |
|   | Department of Commerce,                     |              |
|   | Islamiah College (Autonomous), Vaniyambadi. |              |
|   | Dr.N.Fathima Thabassum,                     | Member       |
| 4 | Assistant Professor,                        |              |
|   | Department of Commerce Commerce,            |              |
|   | Mazharul Uloom College, Ambur.              |              |

Director-in-charge

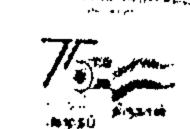
Email: centreforresearch@tvu.edu.in Email: phd-cfr@tvu.edu.in

Phone: (0419)2874747



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY

(State University - Accredited with "B+" Grade by NAAC) SERKKADU, VELLORE - 632 115



Dr.R.Vijayaragavan, M.Sc., M.Phil., B.Ed., Ph.D., Registrar i/c.

No. TVU/CFR/Ph.D. Registration/2021/ 8 7

Date: 29.12.2021

To

The Principal, Islamiah College (Autonomous), Vaniyambadi - 635 752.

Sir/Madam,

Sub:

Thiruvalluvar University - 2019 Regulation - S BHAVANI - Approval of Ph.D.

Ref:

Registration application, dated: 20.12.2021

It is informed that the Ph.D. registration of the aforementioned scholar is approved with effect from 20.12.2021 vide reference cited. The scholar shall be governed as per the Ph.D. regulations

The Scholar registered as a **PART-TIME** scholar shall submit the Doctoral Thesis after the expiry of minimum period and before the expiry of the maximum period as given below. If the scholar fails to submit the Doctoral Thesis within the expiry of the maximum period, his/her Ph.D. registration would stand

| Registration Number                      | Ph.D/2021/6377               |  |                                   |
|--|------------------------------|--|-----------------------------------|
| Name of the Scholar                      | SBHAVANI                     |  |                                   |
| Name of the Guide                        | Dr.THAMEEMUL A               | NSARI S, Assistant I   | rofessor, Department of Commerce, |
| Name of the Joint<br>Supervisor          | DITLOKESWARA                 | CHOUDARY, Assistant CHOUDARY, Assistant Choudary Choudary Choudant |                                   |
| D  | - Tormiem Ans (              | -Ollege for Men. Nanda   | name Chamberce,                   |
| Basic Degree                             | M.COM., COMMER               | CEI M DLII ICOM  | nam, Chennal.                     |
|  | M.COM., [COMMER              | CE] M.Phil., [COMMER   | CE]                               |
| Registration Category Subject Registered | M.COM., [COMMER<br>PART TIME | CE] M.Phil., [COMMER   | CE]                               |
| Registration Category                    | M.COM., [COMMER              | CE] M.Phil., [COMMER<br>Maximum Period   | CE] Six years                     |

Further, it is informed that the Provisional Registration will be confirmed only after the successful completion of course works as per the Ph.D. regulation 2019 of Thiruvalluvar University. In addition the candidate has to undergo the "Research and Publication Ethics" paper as recommended by UGC. Only after the approval of the Course Work Examination by the University the scholar shall be permitted to continue his / her research work. The Supervisor is informed to constitute DC within 10 days from the

Yours faithfully,

-REGISTRAR I/c

Copy to:

- Supervisor: Dr.THAMEEMUL ANSARI S, Assistant Professor, Dept. of Commerce, Islamiah College (Autonomous), Vaniyambadi = 635 752.
- Joint Supervisor: Dr.Y.LOKESWARA CHOUDARY, Assistant Professor, Dept. of Commerce, Government Arts College for Men, Nandanam, Chennai - 600 035.
- S BHAVANI, NO.20 Gandhi Nagar, Bharatheeshwarar Colony, Kodambakkam Chennai-600024.

A.



## UNIVERSITY OF MADRAS

(Calablished under the flet of Incorporation XXVII of 1877 Modean University Met) | Sinte University Contonary Buildings, Chemank, Cheman & C.

No: D.2/Ph.D GUIDE Recogn. / 2015 / /848

Date:

From The Registrar University of Madras Chennai - 500 005.

Y. Lokeswara Choudary. Assistant Professor, Department of Commerce, Government Arts College, Nandanam, Chennai 600 035.

Sir,

Sub: Recognition as a Supervisor to guide Ph.D. students - Reg.

Ref: Your Application dated 30.06.2014.

With reference to your application cited above, I am by direction, to inform that you have been recognized as Supervisor for guiding students leading to the award of the Ph.D. Degree in Commerce of this University subject to the following conditions:-

- 1. As per the Ph. D. regulations para 7.2 governing Ph.D. Degree, the total number of candidates who can be registered for the Ph.D. programme, both full-time and part-time under a Supervisor, at any point of time shall not exceed TEN (including Re-registered candidates) for a Supervisor working in the University Departments, Affiliated Colleges
- A Supervisor will be permitted to guide Ph.D within the total number of TEN students from University of Madras and other Universities in Tamilnadu
- 3. A Supervisor shall not guide his/her immediate or close relative and to this effect he/she shall furnish a declaration in the column provided in the application form for admission. A supervisor shall not be permitted to register candidates for Ph.D. in the last one year of his/her service.
- 4. Whenever the Supervisors are transferred from their present place of employment to another place, the same should be intimated to the University, through proper channel, for approval of continuance of Supervisorship of candidates registered under them.
- 5. The Supervisors who wish to avail leave/lien/deputation beyond a period of SIX MONTHS shall nominate co-guides in the concerned subject for the candidates registered with them and the fact intimated to the University well in advance.
- 6. Further you are prohibited from acting as 'External Part-time PhD Guide' for other Universities.

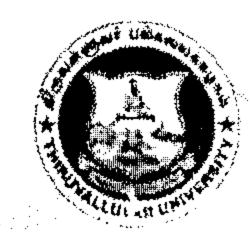
Yours faithfully,

Copy to: 1. The Principal, Government Arts College, Nandanam, Chennai 600 035...

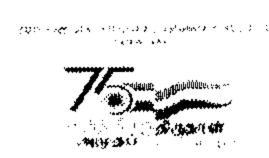
2. The Section Officer, Ph.D. Section (Registration / Evaluation).

3. Stock File (D2).

Website: www.tvu.edu.in Email: centreforresearch@tvu.edu.in Phone: (0416)2274747 Fax: (0416)2274748



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY



(State University – Accredited with "B +" Grade by NAAC) SERKADU, VELLORE – 632 115.

Dr.M.Chandran, M.Sc., M.Phil., B.Ed., Ph.D.,

Director-in-charge

TVU/CFR/Ph.D.,/Doctoral Committee/Approval/2022/ 1019

Date: \ .01.2022

То

Dr.S.Thameemul Ansari,
Assistant Professor,
Department of Commerce,
Islamiah College (Autonomous),
Vaniyambadi— 635 752.
Sir/Madam,

Sub: Thiruvalluvar University, Vellore - CFR - Ph.D., Regulation 2019 - Doctoral Committee

of the Candidate Mrs.S.Bhavani, Ph.D/2021/6377 w.e.f 20.12.2021 — Approved intimation — Reg.

Ref: Your Letter dated 07.01.2022

\*\*\*\*\*

With reference to your letter cited, I am to inform you that the Doctoral Committee constituted by you with the following members to examine and to monitor the research work of Mrs.S.Bhavani, Part - Time Research Scholar in Commerce, Islamiah College (Autonomous), Vaniyambadi is approved.

|   | Dr.S.Thameemul Ansari,                      | Convener     |
|---|---|--------------|
| 1 | Assistant Professor,                        |              |
|   | Department of Commerce,                     |              |
|   | Islamiah College (Autonomous), Vaniyambadi. |              |
|   | 'Dr.Y.Lokeswara Choudary,                   | Joint -      |
| X | Assistant Professor,                        | Supervisor / |
|   | Government Arts College for Men, Chennai.   | Co - Guide   |
|   | Dr.T.Mohamed Ilyas,                         | Member       |
| 3 | Principal & Head,                           |              |
|   | Department of Commerce,                     |              |
|   | Islamiah College (Autonomous), Vaniyambadi. |              |
|   | Dr.A.Sankar,                                | Member       |
| 4 | Assistant Professor,                        |              |
|   | Department of Commerce Commerce,            |              |
|   | Sacred Heart College (Autonomous),          |              |
|   | Tirupattur.                                 |              |

Director-in-charge

It is requested that all communications should be addressed to The Director, Centre for Research, Thiruvalluvar University and not to any person by name.

Email: centreforresearch@tvu.edu.in Email: phd-cfr@tvu.edu.in Phone: (0419)2874747



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY

(State University - Accredited with "B+" Grade by NAAC) SERKKADU, VELLORE - 632 115



Date: 29 .12.2021

Dr.R.Vijayaragavan, M.Sc., M.Phil., B.Ed., Ph.D., Registrar i/c.

No. TVU/CFR/Ph.D. Registration/2021/

To

The Principal, Islamiah College (Autonomous), Vaniyambadi - 635 752.

Sir/Madam,

Sub:

Thiruvalluvar University — 2019 Regulation — VIJAYALAKSHMI V - Approval of Ph.D.

Registration - Intimation - Reg.

Ref:

Registration application, dated: 20.12.2021

\*\*\*\*

It is informed that the Ph.D. registration of the aforementioned scholar is approved with effect from 20.12.2021 vide reference cited. The scholar shall be governed as per the Ph.D. regulations

The Scholar registered as a PART-TIME scholar shall submit the Doctoral Thesis after the expiry of minimum period and before the expiry of the maximum period as given below. If the scholar fails to submit the Doctoral Thesis within the expiry of the maximum period, his/her Ph.D. registration would stand cancelled without any further notification.

| Registration Number             | Ph.D/2021/6384   |  |                                  |  |  |
|---------------------------------|--|--|----------------------------------|--|--|
| Name of the Scholar             | VIJAYALAKSHMI V  |  |                                  |  |  |
| Name of the Guide               | Dr.T.AFSAR BASH  | A, Associate Professor,  | Department of Commerce, Islamiah |  |  |
| Name of the Joint<br>Supervisor | Dr.S.THOTHADRI,  | College (Autonomous), Vaniyambadi.  Dr.S.THOTHADRI, Assistant Professor, Dept. of Commerce, The New College (Autonomous), Chennai. |                                  |  |  |
| Basic Degree                    |  | M.COM., [COMMERCE] M.Phil., [COMMERCE]   |                                  |  |  |
| Registration Category           | PART TIME  |  |                                  |  |  |
| Subject Registered              | COMMERCE   |  |                                  |  |  |
| Minimum Period                  | Three Years [till 19.12.2024] Maximum Period Six years [till 19.12.2027] |  |                                  |  |  |
| Broad field / Title             |  |  |                                  |  |  |

Further, it is informed that the Provisional Registration will be confirmed only after the successful completion of course works as per the Ph.D. regulation 2019 of Thiruvalluvar University. In addition the candidate has to undergo the "Research and Publication Ethics" paper as recommended by UGC. Only after the approval of the Course Work Examination by the University the scholar shall be permitted to continue his / her research work. The Supervisor is informed to constitute DC within 10 days from the

Yours faithfully, -

Copy to:

- 1. <u>Supervisor</u>: Dr.T.AFSAR BASHA, Associate Professor, Dept. of Commerce, Islamiah College (Autonomous), Vaniyambadi - 635 752.
- Joint Supervisor: Dr.S.THOTHADRI, Assistant Professor, Dept. of Commerce, The New College (Autonomous), Chennai - 600 014.

Scholar: VIJAYALAKSHMI V, NO 169 2 Swamy Naicken Street, Chintadripet, Chennai 600002.



# NIVERSITY OF MADRAS

ablished under the Act of Incorporation XXVII of 1857 - Madras University Mel) (State University)

Centenary Buildings, Chepauk, Chemai 600 C05.

No D.2/ Ph.D GUIDE Recogn / Part-Time / 2011/ 2530

. From The Registrar i/c University of Madra: Chennai - 600 005

Assistant Professor. Department of Corporate Secretaryship

The New College, Grannai - 600 014

SI

Sum Recognition as a Supervisor to guide Ph D. students in Corporate Secretaryship - Reg

Rel Your Application dated: 15.04.2011.

With reference to your application cited above, I am by direction, to inform you that you have been recognized as Supervisor for guiding students leading to the award of the Ph.D. Degree in Corporate Secretaryship on Part-Time basis of this University subject to the following conditions:-

- 1. As per the Ph. D. regulations para 7.2 governing Ph.D. Degree (with effect from July 2010), the total number of candidates who can be registered for the Ph.D. programme, both full-time and part-time under a Supervisor, at any point of time shall not exceed EIGHT (including Re-registered candidates) for a Supervisor working in the University Departments, Affiliated Colleges and Research Institutions.
  - A Supervisor shall not guide his/her immediate or close relative and to this effect he/she shall furnish a declaration in the column provided in the application form for admission. A supervisor shall not be permitted to register candidates for Ph.D. in the last one year of his/her service.
  - 3. Wheneve the Supervisors are transferred from their present place of employment to another place, the same should be intimated to the University, through proper channel, for approval of continuance of Supervisorship of candidates registered under them
  - 4 The Su, ervisors who wish to avail leave/lien/deputation beyond a period of SIX MONTHS shall nominate co-guides in the concerned subject for the candidates registered with them and the fact intimated to the University well in advance.

Yours faithfully

Copy to: 1 The Procipal, The New College, Chennai - 600 014.

2 The Section Officer, Ph D Section (Registration / Evaluation)

3 Stock inte (D2)

It is requested that all communications should be addressed to The Registrar, Thiruvalluvar University and not to any person by name.

Website: www.thiruvalluvaruniversity.ac.in Phone No: 0416-2274756

Fax: 0416-2274748



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY

SERKKADU, VELLORE - 632 115

Dr. S. SYED SHAFI, M.Sc., M.Phil., B.Ed., Ph.D., Registrar i/c.

No. TVU/R/Ph.D. Registration/2020/ 8732 Constant

Date:24 1.09.2020

To

The Principal, Islamiah College, Vaniyambadi-635752

Sir/Madam,

Thiruvalluvar University — 2019 Regulation — J MANSOOR AHMED- Approval of Sub: Ref:

Registration application, dated 27/08/2020

\*\*\*\*

It is informed that the Ph.D. registration of the aforementioned scholar is approved with effect from 31/07/2020 vide reference cited. The scholar shall be governed as per the Ph.D. regulations

The Scholar registered as a <u>Part-Time</u> scholar shall submit the Doctoral Thesis after the expiry of minimum period and before the expiry of the maximum period as given below. If the scholar fails to submit the Doctoral Thesis within the expiry of the maximum period, his/her Ph.D. registration

| Minimum Period        | ThreeYears [fill 30/07/2023] | Maximum Period   | Six years             |  |  |
|-----------------------|------------------------------|--|-----------------------|--|--|
| Subject Registered    | Commerce                     |  |                       |  |  |
| Registration Category | Part - Time                  | Dr.Mahmudul Hasan V Assistant Professor Department of Commerce Islamiah College, Vaniyambadi-635 752  M.Com [COMMERCE] M.Phil., [Commerce] |                       |  |  |
| Basic Degree          | M.Com [COMMERC               |  |                       |  |  |
| Name of the Guide     | Dr. Mahmudul Hasi            | an V Assistant Professo  | r Department of Carry |  |  |
| Name of the Scholar   | J MANSOOR AHN                | J MANSOOR AHMED  |                       |  |  |
| Registration Number   | Ph.D./2019/ 20CE             | T3P6209/COMM   |                       |  |  |

Further, if the scholar posses or does not possess M.Phil. degree, he/she have to undergo and qualify for a two credit pre registration course work for confirmation of their registration as per UGC norms. Based on the reports of the Course Work examination the provisional registration of the scholar will be confirmed. Only after the approval of the Course Work Examination by the University the scholar shall be permitted to continue his / her research work. The Supervisor is informed to constitute DC within 10 days from the receipt of this order.

Yours faithfully,

Copy to:

The Controller of Examinations, Thiruvalluvar University.

Supervisor: Dr. Mahmudul Hasan V Assistant Professor Dept. of Commerce, Islamiah College,

Scholar: J MANSOOR AHMED, 2-8 Muslimpur, Erighutjmedu Pernambut, Vellore Dist-635810.

Dr.K.T. Subhaschandra, Associate Professor of Commerce & Management, Government R.C. College of Commerce and Management, Palace Road, Bengaluru-560 001

## BANGALORE



### UNIVERSITY

No. Ex.II/Ph.D/COM/Guides/08-09

Office of the Registrar (Evaluation Pareeksha Bhavan, J.B.Campus BANGALORE - 560 056

Date: 23.07.2010

To

Dr. K.T. Subhas Chandra
S.G.L. in Commerce
Govt. R.C. College of Commerce and Management
Bangalore.

Sir.

Sub: Recognition of Research Guide, Bangalore University, Bangalore – reg.

Ref: 1) Resolution of the Ph.D. Doctoral Committee passed at its meeting held on 30.11.2009.

2) Approval of Hon'ble V.C. dated 13.7.2010

As per the resolution of the Ph.D. Doctoral Committee at its meeting held on 30.11.2009 under the faculty of Commerce, I write to state that you have been recognized as a Ph.D. Research Guide in the subject Commerce.

Yours faithfully

DY. REGISTRAR (EVALUATION)
Ph.D. Registration Section.

Copy to:

1. The Dean, Faculty of Commerce, Bangalore University, Bangalore-1.

2. The Chairman, Dept. of Commerce, Bangalore University, Bangalore-1.

3/OC

51.7.2010

Website: www.tvu.edu.in Email: centreforresearch@tvu.edu.in Phone: (0416)2274747 Fax: (0416)2274748



## திருவள்ளுவர் பல்கலைக்கழகம் THIRUVALLUVAR UNIVERSITY

SERKkADU, VELLORE - 632 115.

Dr.K.Dinakaran, M.Sc., Ph.D.

Director i/c

Centre for Research

TVU/Exam/Ph.D.,/DC approval-19/2019 Regulation/2020 CIL

Date: 16.10.2020

To

Dr.V.Mahmudul Hasan,
Assistant professor
Department of Commerce
Islamiah College (Autonomous), New Town, Vaniyambadi

Sir/Madam,

Sub: Thiruvalluvar University, Vellore – Examinations – Ph.D.,- Doctoral Committee of

the Candidate Mansoor Ahmed.J, Ph.D/2019/20CET3P6209/COMM, as per the

Ph.D., Regulations with effect from 31-07-2020 intimation-Reg.

Ref: Your Letter dated: 16-10-2020

\*\*\*\*

With reference to your letter cited, I am to inform you that the Doctoral Committee Constituted with the following members to monitor the research work of Mansoor Ahmed.J, Part-Time Research Scholar in Commerce is approved.

| 1 | Dr.V.Mahmudul Hasan, Assistant professor Department of Commerce Islamiah College (Autonomous), New Town, Vaniyambadi  | Supervisor &<br>Convener |
|---|---|--------------------------|
| 2 | Dr.T.Mohamed ilyas, Associate Professor & Head, Department of Commerce, Islamiah College (Autonomous), Vaniyambadi.   | Member                   |
| 3 | Dr.K.T.Subhaschandra, Associate professor, Department of Commerce, Govt.Ramnarayana Chellaram College of commerce & mangement,palace Road,Basaveshwara Circle, Bengaluru-560 001(karnataka) | Member                   |

Copy to: DC Members

### Islamiah College, Vaniyambadi – 635752

### **Department of Computer Science**

#### COLLOBARATIVE ACTIVITIES

(During last five years from 2017-18 to 2021-22)

| S.No | Academic Year | Collaborating Agency      | Nature of Collaboration     | Number of<br>Candidates<br>benefitted |
|------|---------------|---------------------------|-----------------------------|---------------------------------------|
| 1    | 2017-18       | IIT Madras NPTEL          | Certificate course and Exam | 20                                    |
| 2    | 2017-18       | IIT Bombay                | Certificate course and Exam | 50                                    |
| 3    | 2017-18       | IIT Madras HASURA         | Certificate course and Exam | 20                                    |
| 4    | 2018-19       | CourseEra                 | Certificate course and Exam | 100                                   |
| 5    | 2018-19       | Oracle                    | Certificate course and Exam | 05                                    |
| 6    | 2020-21       | SoloLearn                 | Certificate course and Exam | 30                                    |
| 7    | 2021-22       | Tata Consultancy Services | Certificate course and Exam | 5                                     |

P. MAGIZHAN, M.Sc., M.Phil.,
Associate Professor & Head
Dept. of Computer Science
Islamiah College
VANIYAMBADI-635 752

### ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI – 635 752.

## Department of Chemistry

### COLLABORATIVE ACTIVITIES

(During the last five years from 2017-18 to 2021-22)

| S.No. | Academic<br>Year      | Name of the Collaborating Firm/Agency/Institution   | Nature of Collaboration | No. of students/g |
|-------|-----------------------|---|-------------------------|-------------------|
|       | 2021-22               | Government Arts College, Tiruvannamalai.  The New College. Chennai.  Department of Chemistry Central University of Tamil Nadu, Thiruvarur.  Texas A&M University College Station, Texas, USA.  Department of Analytical Chemistry, University of Madras, Chennai. | Research                | 13 staffs         |
| 2     | 2021-22<br>28.05.2022 | Vanitech  | Project Work            | 04students        |
| 3     | 2020-2021             | Department of Chemistry Central University of Tamil Nadu, Thiruvarur.  Texas A&M University College Station, Texas, USA.  | Research<br>Article     | 12 staffs         |
| 4     | 2020-2021             | School of Mechanical Engineering,<br>Tsinghua University, Haidian (Dt),<br>Beijing China.  VHNSN College, Virudhunagar.   | Research<br>Article     | 02 staffs         |
| 5     | 2019-20               | University of Madras, Guindy Campus, Chennai.   | Research<br>Article     | 01 staff          |
| 6     | 2019-20               | Priyadarshini Engineering College,<br>Vaniyambadi.  Government College of<br>Engineering, Bargur.  C.Abdul Hakeem College of  | Research<br>Article     | 03 staffs         |

|      |                      | Engineering & Technology. Vellore.   |            |             |
|------|----------------------|--|------------|-------------|
| 7    | 2019-20              | Department of Chemistry Central University of Tamil Nadu. Thiruvarur.  Texas A&M University College Station, Texas, USA. | Research   | 07 staffs   |
| 8    | 2019-20              | State Key Laboratory of Tribology, Tsinghua University, Beijing, China.  University of Madras, Guindy Campus, Chennai.   | Research   | 05 staffs   |
| 9    | 2018-19              | Department of Chemistry Central University of Tamil Nadu, Thiruvarur.  | Research   | 03 staffs   |
| to i | 2018-19              | University of Madras, Guindy<br>Campus, Chennai.   | Research   | 01 staff    |
| I 1  | 2018-19 (16.03.2019) | Hindustan Leathers, Vaniyambadi  | Industrial | 41 students |
| 12   | 2017-18 (16.08.2017) | Hindustan Leathers, Vaniyambadi  | Industrial | 47 students |

K. Ananda Patchagan.
For Head of the Department

HOD OF CHEMISTRY ISLAMIAH COLLEGE (AUTONOMOUS) **VANIYAMBADI - 635 752.** 

Principal ISLAMIAH COLLEGE (AUTONOMOUS) VANIYAMBADI - 2.