

**Mahatma Gandhi College**  
**Kesavadasapuram, Thiruvananthapuram**

**MoUs and Collaborations for Research**

## 2021 - 22

Sl. No.	Name of Awardee	Name of the Department
1	Dr. Sini V	Malayalam
2	Dr. Anithakumari K S	Malayalam
3	Dr. Kumari P G Sindhu	Malayalam
4	Dr. Reena R S	Malayalam
5	Dr. Kumari Deepa G	Malayalam
6	Dr. M Sangeetha	Hindi
7	Dr. Nikhila K C	Hindi
8	Dr. Dhanya S	Hindi
9	Dr. Anitha L	Chemistry
10	Dr. Vignesh S	Botany
11	Dr. Greeshma G M	Botany
12	Dr. Pradeep D P	Botany
13	Dr. Rajeesh S R	Physics
14	Dr. Balambika T A	Commerce
15	Dr. Manjusha R	Commerce
16	Dr. Sreevidya S	Commerce
17	Dr. Geethu J	Commerce

## 2022 - 23

Sl. No.	Name of Awardee	Name of the Department
1	Dr. P V Yamuna	Malayalam
2	Dr. Geethu P G	Malayalam
3	Dr. Salini Gopal M S	Physics
4	Dr. Jey Singh C	Physics
5	Dr. Arya V S	Hindi
6	Dr. Ajithra R S	Hindi
7	Dr. Rohini B R	Botany
8	Dr. Nisha S A	Botany
9	Dr. Saritha R	Commerce
10	Dr. Kavitha L.	Commerce
11	Dr. Misha	Commerce
12	Dr. Maya Babu	Commerce
13	Dr. Kaveri	Commerce
14	Dr. Bindu	Commerce
15	Dr. Resmi R.	Commerce
16	Dr. Naja	Commerce
17	Dr. Manjusha	Commerce
18	Dr. Jessy S.J.	Commerce
19	Dr. Sanjith S.R.	Commerce
20	Dr. Anjaly	Commerce
21	Dr. Gayathri Devi S.	Commerce

22	Dr. Rakhi G.R.	Commerce
23	Dr. Vinitha V.K.	Commerce
24	Dr. Ancy John	Commerce
25	Dr. Keerthi Krishna	Commerce
26	Dr. Sajeev Kumar B.	Commerce
27	Dr. Rakesh S	Commerce

## 2023 - 24

Sl. No.	Name of Awardee	Name of the Department
1	Dr. Sreekala S	Malayalam
2	Dr. Revupriya M R	Physics
3	Dr. Jeyasingh T	Physics
4	Dr. Divya R	Physics
5	Dr. Vindya	Physics
6	Dr. Saranya S S	Hindi
7	Dr. Rajeswari S	Hindi
8	Dr. Rajeshwari S	Botany
9	Dr. Arathi R	Botany
10	Dr. Abhilash L S	Commerce
11	Dr. Atheena Prince	Commerce
12	Dr. Manesh	Commerce
13	Dr. Ria Idicula	Commerce
14	Dr. Anjali H	Commerce
15	Dr. Sumesh S P	Commerce
16	Dr. Rakhi M R	Commerce
17	Dr. Haritha S M	Commerce
18	Dr. Shiny S	Commerce
19	Dr. Divya Raj G	Commerce
20	Dr. Sereena A	Commerce

21	Dr. Naseera Beevi N	Commerce
22	Dr. Vishnu Gopan	Commerce
23	Dr. Harisankar A	Chemistry
24	Dr. Preethi P C	Chemistry
25	Dr. Neethu P K	Mathematics



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MEMORANDUM OF UNDERSTANDING  
Between

**Mahatma Gandhi College,**

Thiruvananthapuram, with its headquarters at Thiruvananthapuram, Kerala  
and

**Jawaharlal Nehru Tropical Botanic Garden and Research Institute**

An autonomous body under Government of Kerala with its headquarters at Pacha-Palode,  
Thiruvananthapuram, Kerala

This Research Collaboration is entered into on 13<sup>th</sup> August 2018 (the "Effective Date"), by and between Mahatma Gandhi College (hereinafter referred to as "MGC"), dedicated to the revered memory of the Father of the Nation, founded by the Nair Service Society in 1948 and Jawaharlal Nehru Tropical Botanic Garden and Research Institute (hereinafter referred to as "JNTBGRJ"), an autonomous body under Kerala State Council for Science, Technology and Environment, Government of Kerala founded in 1979. MGC and JNTBGRJ - may be referred to herein as a "Party" or, collectively, as "Parties."



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**PRINCIPAL**  
Mahatma Gandhi College  
Thiruvananthapuram



Page 1 of 7  
*S. Sathyanarayana*  
JNTBGRJ

**SASTHAMANGALAM**  
VENDOR  
S. GOPHAKUMARI



20-1 26566  
01-08-18  
Dr. Neelha Silvaran,

**1. PURPOSE:** The purpose of this Memorandum of Understanding (MoU) is to establish a mutual framework governing the respective organizational relationships, responsibilities, and activities between the parties. This agreement is primarily for utilization of expertise of *MGC* and *JNTBGRI* for research activities in the area of Plant Biotechnology and allied areas. The areas of responsibility and relationships presented herein provide the concept under which the program will be executed.

**2. BACKGROUND:** *MGC* is a flagship institution of the Nair Service Society with nearly 3000 students pursuing their studies in various disciplines. *JNTBGRI* is a Government organization focused on botanical, biotechnological and phytochemical studies and has the expertise for identification and isolation of phytochemicals from active species of rare botanicals along with a good data base on the same.

### 3. RESEARCH COLLABORATION

**3.1 Scope of Research Collaboration.** The Research Collaboration will focus on development of joint research programmes.

*MGC* and *JNTBGRI* shall conduct the Research Collaboration on a joint basis with the goal of conducting innovative research utilizing various plant biotechnology and molecular biology techniques. The Research Collaboration is intended to be flexible to allow the pursuit of new, unforeseen opportunities in plant, environmental and industrial biotechnology and allied areas.

Both institutions allow faculty improvements programmes. If a faculty of *MGC* want to use *JNTBGRI* as a Research Centre for supervising MSc, MPhil, PhD research programmes in Biotechnology and Bioinformatics, he/she will be permitted and vice versa.

The research work will be executed in laboratories of *MGC* and *JNTBGRI* and the facilities would be shared by both parties.

**3.2 Research Plan:** The research shall be conducted in accordance with the initial research plan agreed upon and exchanged by the Parties concurrent with the execution of this Agreement. Any other research can be subsequently decided by mutual understanding. The Research Plan defines the key decision points, timing to key decision points, resource and funding allocation and other details.

#### 3.3 Responsibilities

**1. MGC Responsibilities:** *MGC* will provide the following services and/or goods.

- a. Assistance to plant collection / biological sampling.
- b. Evaluation of biological activities and assays
- c. Basic chemical analysis as required.
- d. Application of research projects for funding.



Mahatma Gandhi College

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Thiruvananthapuram

Page 2 of 7

PRINCIPAL  
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Thiruvananthapuram



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**II. JNTBGRI's Responsibilities.**

- a. Identification of plant species and component chemicals.
- b. Laboratory support for the research including necessary instruments and technical manpower.
- c. Characterization of the chemical components.
- d. Co-application of research projects for funding.

**4. MANPOWER AND RESOURCES:** No additional manpower is anticipated to be required from either party. Each party will execute its responsibilities from the resources available with each institute. If an external funding allows the addition of manpower and resources, funding guidelines will be followed.

**5. FUNDING:**

- a. Apart from own funds, wherever possible funds will be generated through co-submission of research proposals to external funding agencies like DST, DBT, DSIR, AYUSH, CSIR, ICAR, ICMR, KSCSTE and other suitable agencies.
- b. Funds will also be generated from private investors and private or NGO funding agencies.

**6. UTILIZATION AND DISTRIBUTION OF FUNDS**

- a. Funding guidelines will be followed for utilization.
- b. Separate auditable accounts will be kept by both agencies and made available for audit to authorities.
- c. Utilization of funds will depend on the project and will be determined separately for each project.

**7. APPLICABLE LAWS:** The applicable statutes, regulations, directives, and procedures of the Govt of India, shall govern this MoU and all documents and actions pursuant to it. Unless otherwise required by law, all work undertaken by *MGC* and *JNTBGRI* shall be governed by the policies and procedures by the respective institutions.

**8. DISPUTE RESOLUTION AND ARBITRATION**

Should there be any difference of opinion between the parties or if any dispute arises as to any of the matters provided for in this **Agreement**, the parties shall endeavour to settle such differences and / or disputes in an amicable manner through mutual consultation. In case such differences or disputes cannot be mutually settled, the matter shall be decided by Arbitration held at Thiruvananthapuram in accordance with the provisions of the Indian Arbitration and Conciliation Act, 1996 or the corresponding legislation in force for the time being and the Award made by the competent authority, shall be final and binding on the parties.

  
Principal  
Mahatma Gandhi College  
Thiruvananthapuram

  
Page 3 of 7

  
JNTBGRI

## 9. WARRANTIES

Both parties in no way guarantee Research Services performed pursuant to this Agreement and make no warranties express or implied, regarding the quality of product produced under this Agreement.

**10. INTELLECTUAL PROPERTY:** If and only if any "invention" arises from the performance of this agreement this clause shall apply. 'invention' shall mean any discovery, concept or idea whether or not patentable, resulting from the project

- Patent rights to an invention made solely by employees of *JNTBGRI* shall belong to *JNTBGRI*.
- Patent rights to an invention made solely by employees of *MGC* shall belong to *MGC*.
- Patents rights to an invention made jointly by *JNTBGRI* and *MGC* shall be held jointly by *JNTBGRI* and *MGC*.
- Rights to patents related to technology transfer from internal *MGC* projects will remain with *MGC* and from internal *JNTBGRI* projects will remain with *JNTBGRI* unless the specific technology transfer agreement governing such transfer includes provision for change in IPR rights.

**11.1 Records:** During the term of this Agreement and for a period of licensing thereafter, the Developing Party shall keep complete and accurate records pertaining to the results and other details.

**11.2 Audit:** During the term of this Agreement and for a period of two years thereafter, both parties shall keep complete and accurate records of the projects.

**12. CONFIDENTIALITY:** A Party in receipt of Confidential Information from other Party must not use or disclose the other Party's Confidential Information without that other Party's prior written consent other than (i) for the purpose of carrying out this MOU, provided any disclosure is only to such of the receiving party's personnel or to its related company and its personnel who need to know and who are made subject to the confidentiality requirements of this MOU or (ii) as required by law.

Neither Party may make any public announcement in relation to this MOU without first obtaining the approval of the Other Party.

Confidential information means (i) the subject and terms of this MOU and (ii) all information (in whatever form) disclosed by one party to the other, whether before or after the date of this MOU but excludes information which (iii) is or becomes public knowledge other than through a breach of this MOU (iv) the recipient can show to the discloser's reasonable satisfaction to have been in the recipient's lawful possession prior to disclosure or (v) the recipient can show to the discloser's reasonable satisfaction to have been lawfully received from a third party not obliged to keep that information confidential.



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Thiruvananthapuram

Page 4 of 7

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Each Party shall not use any name, logo, trade name, trademark, service mark or symbol associated with the other Party without the prior written consent of the other Party.

**13. REPORTS AND PUBLICATIONS:** Publications in the forms of research articles in scientific journals will be made from time to time as appropriate. Submission of research papers to journals will be made at any time after having all the complete results/ data of each individual study as determined and agreed upon. Research articles and publications will bear **Dr. Neethu S. Kumar**, Assistant Professor, MGC and **Dr. K. K. Sabu**, Senior Scientist, JNTBGRI respectively as the corresponding authors with co-authorships to other researchers involved. The parties hereby agree to share all the information, experimental results and all the necessary and relevant data on a timely and prompt basis as agreed upon.

**14. NOTICES:** Any notices or communications provided for in this Agreement to be made by either of the Parties to the other shall be in writing, in English, and shall be made by prepaid mail with return receipt addressed to the other at its address set forth below. Any such notice or communication may also be given by hand, or facsimile to the appropriate designation. Either Party may by like notice specify an address to which notices and communications shall thereafter be sent. Notices sent by mail, facsimile or cable shall be effective upon receipt and notices given by hand shall be effective when delivered.

If to *MGC*

Dr. T. S. Sujatha  
Principal  
Mahatma Gandhi College  
Thiruvananthapuram-695 004  
Kerala

If to *JNTBGRI*

Dr. R. Prakashkumar  
Director  
Jawaharlal Nehru Tropical Botanic Garden & Research Institute  
Pacha- Palode  
Thiruvananthapuram - 695 562  
Kerala

**15. MISCELLANEOUS:**

a. **Other Relationships or Obligations.** This MoU shall not affect any pre-existing or independent relationships or obligations between the parties.

b. **Survival.** The provisions of this MoU that require performance after the expiration or termination of this MoU shall remain in force notwithstanding the expiration or termination of the MoU.



Principal  
Mahatma Gandhi College  
Thiruvananthapuram

Page 5 of 7

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c. **Severability.** If any provision of this MoU is determined to be invalid or unenforceable, the remaining provisions shall remain in force and unaffected to the fullest extent permitted by law and regulation.

d. This Agreement shall be binding upon and inure to the benefit of the successors and permitted assigns of the Parties; provided, however, that any such permitted assignment or delegation shall not relieve the assigning Party of its responsibilities for performance of its obligations under this Agreement. Any assignment not in accordance with this Agreement shall be void.

16. **REVIEW:** This agreement will be reviewed annually to ensure adequate identification of support requirements. Additional reviews may take place when changing conditions or circumstances require substantial changes or development of a new agreement. Minor changes may be made at any time by correcting the existing document or attaching a memorandum to the basic document. Changes must be coordinated and initialed by a representative of both parties.

17. **AMENDMENT AND MODIFICATION:** This MoU may be amended or modified only by written, mutual agreement of the parties.

#### 18. **TERMINATION OF THE AGREEMENT**

Failure by either party to comply with any of the obligations herein contained shall entitle the other party to give the party in default written notice requiring to cure such default. If such default is not cured within 60 days after receipt of such written notice, the notifying party shall be entitled without prejudice to any of their other rights conferred on them by the Agreement or by law, to terminate this Agreement by giving written notice to take effect immediately. The right of either party to terminate this Agreement shall not be affected in any way by any waiver or failure to take action with respect to any previous default.

Upon termination of this Agreement, MGC AND JNTBGRI shall cease to have any right to use and practice of the Know-How and the Process gained from the other and shall return all documents and information received from the OTHER related to the said Know-How within such time as may be specified by the MGC and JNTBGRI.

#### 19. **FORCE MAJEURE**

Except as hereinafter provided, no party hereto shall be liable for failure to perform as required by any provision of this Agreement where such failure results from a cause beyond control of the parties such as acts of God, Government regulations, or other acts of civil or military authorities, fire, flood, epidemic, quarantine, restrictions or / riots, delay in transporting and inability due to causes beyond control of such parties to obtain necessary labour, material or manufacturing facilities or strikes, lock-outs, or other concerted actions of workmen or any circumstances of whatsoever nature beyond the control of either party; provided that the party claiming that the force majeure has affected its performance shall give notice to the other party immediately, but not later



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Page 6 of 7

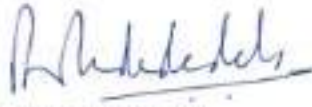


than 15 days after becoming aware of the first occurrence of force-majeure, giving full particulars of the case or event and the date of first occurrence thereof. Notwithstanding the foregoing however if performance required by this Agreement be delayed or prevented for more than three continuous months, either party may terminate this Agreement by giving notice (either before or after expiration of such six months period) of its intent to terminate this Agreement to the other party.

20. **EFFECTIVE DATE:** This agreement becomes effective upon the date of the last approving signature and will remain in effect indefinitely until superseded, rescinded, or modified by written, mutual agreement of both parties.

21. **ACCEPTANCE OF AGREEMENT:**


  
Dr. T. S. Sujatha  
Principal  
Mahatma Gandhi College  
Kesavadasapuram  
Thiruvananthapuram-695 004  
Kerala


  
Dr. R. Prakashkumar  
Director  
Jawaharlal Nehru Tropical Botanic Garden &  
Research Institute, Pacha-Palode  
Thiruvananthapuram - 695 562  
Kerala

Date: 13.08.2018



**Witness**

  
Dr. K. Sathosh Kumar  
Assistant Professor  
Department of Botany  
Mahatma Gandhi College  
Thiruvananthapuram-695 004  
Kerala  
Date:

  
Dr. A. S. Hemanthkumar  
Technical Officer  
Biotechnology and Bioinformatics Division,  
Jawaharlal Nehru Tropical Botanic Garden &  
Research Institute, Thiruvananthapuram - 695 562  
Kerala

Signed this 13<sup>th</sup> August 2018 in the City of Thiruvananthapuram, in the state of Kerala.

END OF DOCUMENT

Signed in Duplicates



  
PRINCIPAL  
Mahatma Gandhi College  
Thiruvananthapuram

Page 7 of 7

  
DIRECTOR  
Jawaharlal Nehru Tropical Botanic Garden &  
Research Institute  
Thiruvananthapuram

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POST GRADUATE AND RESEARCH  
DEPARTMENT OF BOTANY  
**MAHATMA GANDHI COLLEGE**

Kesavadasapuram, Pattom, PO., Thiruvananthapuram - 695004.

Date: 12/03/2021



**INTERDEPARTMENT COLLABORATION FOR ACADEMIC COOPERATION**  
*between*  
**PG AND RESEARCH DEPARTMENT OF BOTANY, SREE NARAYANA  
COLLEGE, KOLLAM**  
*and*  
**POSTGRADUATE & RESEARCH DEPARTMENT OF BOTANY, MAHATMA  
GANDHI COLLEGE, THIRUVANATHAPURAM**

**Preamble**

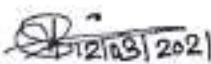
This academic collaboration agreement on 12<sup>th</sup> July 2021 between PG and Research Department of Botany, Sree Narayana College, Kollam (hereinafter referred to as "SNCK") affiliated to University of Kerala and Department of Botany, Department of Botany, Mahatma Gandhi College, Thiruvananthapuram (hereinafter referred to as MGCT) affiliated to University of Kerala by mutual consent.

The SNCK and MGCT. Collectively referred to as the "Institutions" or the "parties".

1. The purpose of this collaboration document is to develop academic and educational cooperation and promote mutual understanding between the two parties.
2. Each party agrees to develop the following collaborative activities in the academic areas of mutual interest, on a basis of equality and reciprocity.
  - 2.1) Joint research projects in fields of mutual interests
  - 2.2) Opportunities for faculty development and exchange as mutually agreed
  - 2.3) Exchange of academic information and materials
  - 2.4) Training on Learning Management Systems and other digital technologies used in E-learning to faculty and students
  - 2.5) Promoting other academic cooperation as mutually agreed
  - 2.6) Other activities as mutually agreed

3. The development and implementation of specific activities based on this collaboration will be separately negotiated and agreed between the parties. Each Party agrees to carry out these activities in accordance with the laws and regulations of the respective management after full consultation and approval.
4. It is understood that the implementation of any of the types of co-operation stated in clause 2 shall depend upon the availability of resources and financial support of the party's concerned.
5. Both parties agree that prior written approval is required before using the other party's name, logo or other intellectual property right in any advertising or associated publicity.
6. This Agreement places no financial obligations or supplementary funding commitments on Either Party.
7. This collaboration may only be amended or modified by written agreement signed by the representative of each party.
8. This collaboration is valid for a period of five years from the date of signing by the authorized Signatories of each Party. Each Party shall review the status of the collaboration at least three months before the end of the five-year period to determine whether it wishes the Collaboration to continue and, if so, any modifications that might be necessary.
9. This Collaboration may, at any time during its period of validity, be terminated by one of the parties upon prior notice to the other in writing not later than six months before the termination date.

Signed for and on behalf of Department of signed for and on behalf of PG and research Department of Botany, SNCK, PG & Research Department of Botany MGCT, Thiruvananthapuram.

Name:  12/03/2021  
Dr. Sivu A.R.

Position: Asst. Prof & HOD Botany  
Date: 12-03-2021

Dr. Sivu A.R.  
Asst. Prof & HOD  
Post Graduate Dept. of Botany  
MG College, Thiruvananthapuram  
Kerala-695004

Name:  12/03/2021  
Dr. Nisha A.P.

Position: Asst. Professor & HOD  
Date: 12-03-2021

Dr. NISHA A P  
Assistant Professor and Head  
Department of Botany  
S.N. College, Kollam



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**Memorandum of Understanding for Academic and Scientific Cooperation**

**Between**

**The Department of Sociology, Mahatma Gandhi College,  
Kesavadasapuram, TVM, Kerala**

**And**

**Centre for Gerontological Studies, TVM, Kerala (CGS)**

**Purpose**

The purpose of this agreement is to promote scientific research and sociology education between the Department of Sociology of M.G College, Kesavadasapuram, Trivandrum, Kerala and Centre for Gerontoloigcal Studies (CGS). Trivandrum, Kerala.

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M/GC  
കുറേക്കര സർക്കാർ  
കുറേ. മാനേജർമാർ







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Types of Cooperation

Through this memorandum, both Parties affirm the value of collaboration and agree to promote the following activities:

1. Exchange of information on research, teaching, learning materials and other literature relevant to the educational and research programmes.
2. Joint organization of seminars, conferences, workshops and field visits on topics of mutual interest.
3. To promote and enhance academic interest between Department of Sociology, M.G College and C.G.S.
4. To conduct awareness programs, online trainings and consultation meets.
5. To offer social support mechanism to the needy people through social activities.

This agreement places no financial obligations or supplementary funding commitments on either party in any record. These activities will be defined

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through separate program agreements that detail the commitment of resources (financial or otherwise) required by each institution. Subsequent program agreement must be approved in writing by the authorized representatives of each institution.

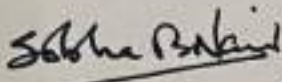
Dr. Sobha B. Nair Chairperson of CGS will serve as the primary liaison between the two institutions to facilitate the development of future activities.

### **Terms**

This agreement will become effective upon the date of signature by both parties. It shall remain valid for a period of three (3 years) from the date of the last signature, with the understanding that it may be modified by written mutual consent of both parties. This agreement may be terminated by either party with advance written notice of at least thirty (30 days). Upon notice of termination both CGS and Sociology Dept. of M.G College will agree to work in good faith to enable the students to complete their respective research programs and other activities unhindered by the termination. The agreement may be extended by mutual consent of the two parties after the three year period, and it must be renewed in writing.

This memorandum of understanding completed is hereby signed in two (2) Copies with (1) copy remaining in the possession of each institution.

**FOR THE CENTRE FOR GERONTOLOGICAL STUDIES,  
TRIVANDRUM, KERALA.**

(1)   
Chairperson  
Centre for Gerontological Studies  
Thiruvananthapuram-695024


Date  
15/7/2023



(2)   
Dr. P. Dasgupta  
Director  
Centre for Gerontological Studies  
Thiruvananthapuram-695024

15-7-2023

**FOR THE SOCIOLOGY DEPT. M.G. COLLEGE, TRIVANDRUM,  
KERALA**

(1)   
15/07/2023  
Dr. SARITA R.  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF SOCIOLOGY  
M.G. COLLEGE, TRIVANDRUM

(2)   
15/07/2023  
PRINCIPAL  
Mata-ama Gandhi College  
Thiruvananthapuram





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## RESEARCH AND EXTENSION PROJECTS ASSOCIATION AGREEMENT

Between

Department of Economics, Mahatma Gandhi College,  
Thiruvananthapuram, Kerala, INDIA

&

THANAL OD-3, Jawahar Nagar Kawdiar P.O  
Thiruvananthapuram, Kerala India

The purposes of this agreement are to promote and enhance research in economics and management science; to strengthen human resources research capability; and to empower both institution's contribution to industries with special emphasize on the application of economics and management.

### 1. Scope of Cooperation

This agreement sets forth the intentions of the Parties for increased collaboration, cooperation and interaction and does not create any legally binding commitments. If the Parties later agree to undertake specific joint projects with legally binding obligations, they will develop separate written

No 68654  
9.1.2018  
Head, Department of Economics  
MG College  
Trivandrum

KILYALLOO MANN  
PALANM VENDOR  
India Institute of Commerce  
University P.O, Trivandrum



agreements for such projects, setting out each Party's contributions, deliverables, and budgets.

a. Name of the Agency/NGO - THANAL

1. Participates in Academic and Social Projects Preparation and implementation of Department of Economics, Mahatma Gandhi College; and
2. Participates in field survey, data processing and analytical works of Department of Economics, Mahatma Gandhi College's Academic and Social projects (Sustiram) in India.

b. Department of Economics, Mahatma Gandhi College research project in India

1. Collaborates with THANAL to extend their research activities (social extension activities journal publications, seminars and conferences) in India.
2. Will also collaborate with THANAL to develop research projects and look for relevant funding agencies to carry out these projects.
3. Considers any output under this joint cooperation as belonging to both institutions.
4. Could provide assistance to Faculty Members and Students involved in any of those projects for implementation and to further their research work.
5. Both Institutions may make periodic visits for the effective initiation or conduct of research activities and workshop activities at various levels.

3. Work Plan and Funding

The mode of co-operative activities is based on a three year plan, and implementation of the work plan is based on annual actions, as both parties concerned agreed. Funding resources needed to support cooperative activities from external agencies are considered important, and should be explored sustainably by both parties, during the course of implementation of the cooperation.

4. Duration of Co-operation

The cooperation is designed for three years, since the agreement has been signed by the duly authorized representatives and can be extended as both sides agree. It may be modified or extended by mutual written

*Shobha*  
25/11/18

*[Signature]*

agreement by the Parties. This agreement may be terminated by either party upon six (6) months advance written notice.

#### 5. Communications

Any notice, request, document, or other communication submitted by either Department of Economics, Mahatma Gandhi College and THANAL under this agreement will be in writing and/of by available source of communication system, at the following addresses:



S. Usha Kumari,  
Executive Director Thanal  
OD-3, Jawahar Nagar  
Kawdiar P.O Thiruvananthapuram,  
Kerala India



*Sudor*  
*.. 25/1/2018*  
Dr. M.R. Sudarsanakumar  
The Principal, Mahatma Gandhi College  
Thiruvananthapuram, Kerala. INDIA

Principal  
Mahatma Gandhi College  
Thiruvananthapuram

**Thiruvananthapuram, January 25, 2018**

Witnessed by



S. Ganga Devi  
Head of the Department  
Department of Economics  
Mahatma Gandhi College  
Thiruvananthapuram, Kerala. INDIA



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BU 302569

**RESEARCH AND EXTENSION PROJECTS ASSOCIATION AGREEMENT**

Between

Department of Economics, Mahatma Gandhi College,  
Thiruvananthapuram, Kerala, INDIA

&

Institute of Labour and Management, Thiruvananthapuram, Kerala, INDIA.

The purposes of this agreement are to promote and enhance research in economics and management science; to strengthen human resources research capability; and to empower both institution's contribution to industries with special emphasize on the application of economics and management.

1. Scope of Cooperation - This agreement sets forth the intentions of the Parties for increased collaboration, cooperation and interaction with mutually binding commitments.
2. Areas of Cooperation : This agreement conveys the interest of both the Parties to undertake specific joint projects with mutually binding obligations.

No 68653

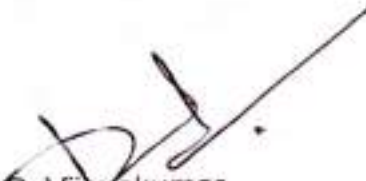
J.1 2018  
Head, Department of Economics  
Mahatma Gandhi College  
Thiruvananthapuram  
Kerala

Recomm

*Sub*  
*- 25/1/2018*  
KILIYALLOOR MANI  
PALAYAN VENDOR  
India Institute of Commerce Ltd  
University P.O. Thiruvandrum-34



3. Implementation of Co-operation : Project specific avenues for cooperation, assignment of duties, sharing of financial resources will be designed based on mutually accepted criterion.
4. Duration of Co-operation : The cooperation is designed for three years, since the agreement has been signed by the duly authorized representatives and can be extended as both sides agree. It may be modified or extended by mutual written agreement by the Parties. This agreement may be terminated by either party upon six (6) months advance written notice.
5. Code of Communication : Any notice, request, document, or other communication submitted by either Department of Economics, Mahatma Gandhi College and Institute of Labour and Management under this agreement will be in writing and/of by available source of communication system, at the following addresses;

  
Dr. B. Vijayakumar  
Institute of Labour and Management  
Thiruvananthapuram



Witnessed by



S. Ganga Devi Head of the Department, Department of Economics

*Sudh*  
*25.1.2018*  
Dr. M.R. Sudarsanakumar  
The Principal,  
Mahatma Gandhi College

Principal  
Mahatma Gandhi College  
Thiruvananthapuram



Thiruvananthapuram, January 25, 2018





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BK 541076

**MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding ("MOU") is entered into this 26 day of Feb. by and between

**HLL Lifecare Limited**, a Government of India Enterprise, incorporated as a company under the Companies Act, 1956 having its Registered Office at HLL Bhavan, Poojappura, Thiruvananthapuram-695012 and having its Corporate R&D Centre at Akkulam, Sreekariyam, Thiruvananthapuram-695017 Kerala herein after referred as "CRDC" and represented by Head (R&D) on the one part.

&

**MG College, Thiruvananthapuram**, is one of the largest and oldest government aided institution of higher education established by Nair Service Society in Kesavadasapuram, Thiruvananthapuram-695004, Kerala and represented by Dr. M R Sudarsana Kumar on the other part.

(Individually referred to as "the party" and collectively referred to as parties")

Whereas, HLL is engaged in manufacturing and marketing of Contraceptives and Healthcare products throughout India and in International markets apart from providing services viz. Infrastructure Development, Procurement Consultancy and Healthcare Services.

1 | Page

No. 17161  
19.2.2018

*[Signature]*  
HLL  
Ltd.



*[Signature]*  
MALIN SOBHANA  
PATTON VENDOR





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Whereas, MG College is engaged in academic and translational based research in the areas of Photochemistry, Material Science, Antibody & vaccine development, and Nano technology

AND WHEREAS HLL & MG COLLEGE agree to conduct collaborative research based on the following terms and conditions.

### 1. DEFINITIONS

As used in this MoU, capitalized terms have the meanings given them below or elsewhere in this MoU:

- 1.1. Research Materials means those experimental materials and data one party may provide to other in connection with and as stated in the Research Program.
- 1.2. Research Program means any research project decided by the parties on a case-to-case basis. Both the parties shall be executing separate definition agreement(s) with regard to each research project.
- 1.3. Research Program Invention shall mean any invention, discovery, information patentable or not, that is conceived, discovered and reduced to practice in performance of the Research Program.

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HLL LIT

Ltd

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*Handwritten signature*  
MALIN SOBHANA  
PATTON VENDOR



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1.4. Confidential Information means scientific, business or financial data or other proprietary information owned by or belonging to HLL and/or MG College, which are clearly marked as confidential in writing provided that such information:

- a) is not publicly known or available from other sources who are not under a confidentiality obligation to the source of the information;
- b) has not been made available by its owners to others without a confidentiality obligation;
- c) is not already known by or available to the receiving party without a confidentiality obligation;
- d) is not independently developed by the receiving party; does not relate to potential hazards or cautionary warnings associated with the performance of the Research Program of the MoU or is not required to be disclosed under operation of law.

## 2. RESEARCH APPROACH

2.1 Research Efforts. HLL and MG College shall use their reasonable efforts to conduct those activities for which each is responsible under the definitive agreements specific to each Research Program that would be executed between the Parties.

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H-LL Ltd  
Ltd



Malin Sobhana  
Pattom Vendor



# भारतीय गैर न्यायिक

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FIFTY  
RUPEES

Rs.50

INDIA NON JUDICIAL

2.2 Use of Research Materials. Any Research Materials of one party transferred to the other party in connection with the Research Program may only be used as stated in the Research Program. Unless the parties agree otherwise, Research Materials are to be considered the "Confidential Information" of the party providing them. BR 541079

2.3 Reporting. The parties shall generally keep one another informed of the results of the work performed in connection with the Research Program, principally through their representatives. In addition, the parties' representatives shall meet and provide reports as stated in the Research Program.

### 3. CONFIDENTIAL INFORMATION

Either party's acceptance or use of any confidential information supplied by the party in the course of the Research Program shall be subject to the following:

1. To be considered Confidential Information, all written information (including Research Materials) must be marked or designated in writing as CONFIDENTIAL by the party providing the information, and oral communications must be reduced to writing within thirty (30) days of the initial communication of the information and such writing must be marked or designated in writing as CONFIDENTIAL and provided to the other party's Authorized Representative.
2. The Authorized Representative(s) shall use reasonable efforts to limit the exchange of Confidential Information.
3. Where the Authorized Representative(s) does accept such information as confidential, he/she agrees to use the same degree of care to prevent the unauthorized use, dissemination, or publication of the Confidential Information, without the express written permission of the providing party.

4 | Page

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19-2-2018

*[Signature]*  
HILL LITE  
Lest. R.



*[Signature]*  
MALIN SOBHANA  
PATTON VENDOR



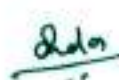
4. The Authorized Representative's obligation to hold Confidential Information in confidence expires three (3) years after the termination or expiration of this MoU.

#### **4. PUBLICITY**

Neither party shall identify the other in any products, publicity, promotion, promotional advertising, or other promotional materials to be disseminated to the public, or use any trademark, service mark, trade name, logo, or symbol that is representative of a party or its entities, whether registered or not, or use the name, title, likeness, without prior written consent of the other party. Any use of a party's name shall be limited to statements of fact and shall not imply endorsement of products or services.

#### **5. INTELLECTUAL PROPERTY RIGHTS**

1. Ownership of Research Program Inventions - Research Program Inventions conceived, discovered and reduced to practice by HLL, or its employees, or agents shall be owned by HLL. ( HLL's invention)
2. Research Program Inventions conceived, discovered and reduced to practice by MG College, or its employees, or agents, shall be owned by MG College (MG College's invention) (Collectively, "Sole Inventions").
3. Research Program Inventions conceived, discovered and reduced to practice by at least one employee, agent, of each of HLL and MG College shall be owned by HLL and MG College without any obligation to account to one another ("Joint Inventions").
4. Neither party shall make any claim to the other party's Sole Inventions.
5. Pre-Existing Rights. Except to the limited extent required to perform a party's obligations under this MoU, neither party receives any right, title, or interest in or to any Research Materials provided to it by the other party or any technology, works, or inventions of the other party that are not Research Program Inventions, or any patent, copyright, trade secret or other proprietary rights in any of the foregoing.
6. Patents shall mean those Indian and foreign patents and patent applications including any continuation, reissue, or renewal thereof, or substitute thereof, and the patents that may be issued thereon, relating to any patentable Research Program Invention.
7. Patent Prosecution and Expenses - Unless the parties agree in writing otherwise, the filing, prosecution, defence and maintenance of all Patents for Joint Inventions shall be conducted jointly in the name of both parties and controlled by them jointly, acting reasonably and in good faith.
8. Licensing- Each party reserves the right to license its interest in its Sole Inventions or Joint Inventions, and neither party shall have any right to compensation in connection with any such license granted by the other.



## 6. DISPUTE RESOLUTION

In case of any disputes, both the parties agree to resolve it by mutual discussions.

## 7. INDEMINIFICATION

Both parties hereby indemnify and shall keep indemnified and protected the other party and their respective officers and employees from and against any claims or action arising out of or in any way relating to the provision and implementation of this MoU.

## 8. TERM AND TERMINATION

1. Term. This MoU shall remain in effect for two (2) Years from the date first written above unless terminated sooner or extended in writing signed by the parties in accordance with this MoU.
2. Termination. Either party may terminate this MoU upon sixty (60) days written notice.

## 9. GENERAL


1. Binding Effect. Both the parties are not bound by this MoU. However, defined agreement(s) executed between the parties specific to each Research Program shall be binding.
2. Assignment. Neither party may assign or delegate its rights or obligations under this MoU without the express written consent of the other party.
3. Entire MoU. This MoU constitutes the entire MoU between the parties relating to the Research Program, and any and all prior or contemporaneous negotiations, representations, MoU and understandings are superseded hereby. No amendment, or change to this MoU shall be made except by means of a written document signed by duly authorized representatives of the parties.
4. Notices. Any notice or communication required or permitted to be given hereunder shall be in writing and, except as otherwise expressly provided in this MoU, shall be deemed given and effective (i) when delivered personally or by fax or (ii) when received if sent by email, overnight courier, or mail:

**To HLL:**

**Head (R&D)**  
Corporate R&D Centre  
HLL Lifecare Ltd  
Akkulam, Sreekariyam  
Trivandrum-695017  
Tel:+91472774777

**To MG College:**

**Principal**  
Mahatma Gandhi College,  
Kesavadasapuram, Pattom. PO.,  
Trivandrum - 695 004,  
Office: 0471-2541039  
Principal: 0471-2540103



5. Applicable Law. This MoU shall be construed and enforced in accordance with the laws of India.
6. Headings. Heading included herein are for convenience only, and shall not be used to construe this MoU.
7. Relationship of Parties. For the purposes of this MoU and all services to be provided hereunder, each party shall be, and shall be deemed to be, an independent party and not an agent or employee of the other party. Neither party shall have authority to make any statements, representations or commitments of any kind, or to take any action that is binding on the other parties, except as explicitly provided for herein or authorized in writing.
8. Severability. If any provision of this MoU is found by a court of competent jurisdiction to be void, invalid or unenforceable, the same shall either be reformed to comply with applicable law or stricken if not so comfortable, so as not to affect the validity or enforceability of this MoU.
9. Force Majeure. Neither party shall be liable for any failure to be perform as required by this MoU, if the failure to perform is caused by circumstances reasonably beyond such party's control, such as labour disputes of any kind, accidents, failure of any governmental approval required for full performance, civil disorders or commotions, acts of aggression, acts of God, energy or other conservation measures, explosions, failure of utilities, mechanical breakdowns, material shortages, disease, theft, or other such occurrences.

IN WITNESS WHEREOF, the parties have caused this MoU to be executed by their duly authorized representatives as of the date first written above.

By :


By :

Typed Name: **Dr. Anitha Thampi**

Typed Name: **Dr. M.R. Sudarsana Kumar**

Signature :



Signature: 

Title : **Head (R&D)**

Title : **Principal**

**Dr.M.R.SUDARSANAKUMAR**  
**PRINCIPAL**  
**Mahatma Gandhi College**  
**Thiruvananthapuram**





**DEPARTMENT OF CHEMISTRY  
UNIVERSITY OF KERALA  
Kariavattom Thiruvananthapuram- 695581**

Email: chem1@uniker@gmail.com, Phone: 04712308682

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act 1974 passed by the Kerala State Legislative Assembly)

(Re-accredited by NAAC with 'A++' Grade)

**Dr. Suneesh C. V.  
Head of the Department**

**Agreement of collaboration between Department of Chemistry, University of Kerala and Mahatma Gandhi College, Thiruvananthapuram**

This is an agreement of collaboration made on 03.01.2023 and is intended to outline and formalize the partnership between Department of Chemistry, University of Kerala and Mahatma Gandhi College, Thiruvananthapuram.

The purpose of this collaboration is to delineate the process by which the above parties will collaborate in providing appropriate aids for conducting the **Research/Consultancy/Academicsupport/curriculumenhancement/internships/Summer projects/publication** to stimulate intellectual growth, promote teamwork, and provide opportunities for students to improve their knowledge and skills, outside the standard curriculum.

**Benefits of the collaboration**

**Terms and Conditions.**

1. There is no financial commitment for both parties of this collaboration
2. This agreement is valid for two years from the date of its commencement.

The terms of this collaboration shall commence on 03.01.2023 and shall extend through 02.01.2025 and is renewable thereafter as agreed upon by the parties.

Dr. SUNEESH C.V.  
Assistant Professor & Head  
Department of Chemistry,  
University of Kerala, Kariavattom  
Thiruvananthapuram - 695 581



*Signatures of responsible parties within each organization.*

Dr. SIKHA. T.S.  
Assistant Professor  
Department of Chemistry  
M.G. College, Thiruvananthapuram

**HEAD**  
P.G. Dept. of Chemistry & Research Centre  
Mahatma Gandhi College  
Thiruvananthapuram



**Department of Aquatic Biology & Fisheries  
University of Kerala**

Karyavattom, Thiruvananthapuram 695 581, Kerala, India  
Telefax: 0471-2308131; Email: aquaticbiology@gmail.com

(UGC-SAP, COSIST, CAS and DST-FIST Supported Department)



**AGREEMENT OF COLLABORATION BETWEEN  
DEPARTMENT OF AQUATIC BIOLOGY AND FISHERIES,  
UNIVERSITY OF KERALA, THIRUVANATHAPURAM-695581 AND  
MAHATMA GANDHI COLLEGE, THIRUVANATHAPURAM-695004**

This is an agreement of collaboration made on 2<sup>nd</sup> June 2022 and is intended to outline and formalise the partnership between Department of Aquatic Biology and Fisheries, University of Kerala and Mahatma Gandhi College, Thiruvananthapuram.

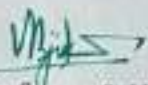
The purpose of this collaboration is to delineate the process by which the above parties will collaborate in providing appropriate aids for conducting the **Research/ Consultancy/ Academic support/ curriculum enhancement/ internships/ Summer projects/ publication** to stimulate intellectual growth, promote teamwork, and provide opportunities for students to improve their knowledge and skills, outside the standard curriculum.

**Benefits of the collaboration**

**Terms and Conditions.**

1. There is no financial commitment for both parties of this collaboration
2. This agreement is valid for **three years** from the date of its commencement.

The terms of this collaboration shall commence on 2<sup>nd</sup> June 2023 and shall extend through 1<sup>st</sup> June 2025 and is renewable thereafter as agreed upon by the parties.

  
Professor & Head  
Department of Aquatic Biology & Fisheries  
University of Kerala

**Dr. A. BIJU KUMAR**  
Professor & Head  
Dept. of Aquatic Biology & Fisheries  
University of Kerala  
Thiruvananthapuram-695 501, India



Principal  
Mahatma Gandhi College,  
Thiruvananthapuram 695004



## **OmicsGen LifeSciences Pvt Ltd**

Veegaland - K Chittilappilly Tower, 2nd Floor  
Opp. NPOL Main Gate  
NGO Quarters - Bharata Mata College Road  
Thrikkakara P.O, Kakkanad  
Kochi – 682021



Date : 10-01-2023

### **Agreement of Linkage between OmicsGen LifeSciences Pvt Ltd and Mahatma Gandhi College, Thiruvananthapuram**

This is an agreement of linkage made on 10-01-2023 and is intended to outline and formalise the partnership between OmicsGen LifeSciences Pvt Ltd and Mahatma Gandhi College, Thiruvananthapuram.

The purpose of this linkage agreement is to delineate the process by which the above parties will collaborate in referring and providing appropriate aids and expertise in PG projects and for research students to the above-mentioned institution to inculcate a hand on experience in molecular biology and biotechnology methods and tools.

The practical knowledge gained from this helps in expanding their knowledge base, promoting holistic education, and increase their intellectual curiosity. The main objective of this linkage is to create an inclusive and comprehensive learning environment that prepares students to tackle the challenges they may face in their academic, professional, and personal lives.



*Handwritten signature*

*OmicsGen*

Regd.Office: V1/326B, Aardhram  
Pallilankara, HMT Colony PO  
Kalamassery, Ernakulam  
Kerala 683503  
info@omicsgen.com



MEMORANDUM OF UNDERSTANDING  
ON SHARING OPEN SOURCE LANGUAGE COMPUTING RESOURCES  
BETWEEN CHEMBAKAM DIGITAL SOLUTIONS, MAHE  
AND P. G. DEPARTMENT OF MALAYALAM & RESEARCH CENTER,  
MAHATMA GANDHI COLLEGE, THIRUVANANTHAPURAM

This is a Memorandum of Understanding agreed upon on 11.01.2023 and is intended to share Open Source Language Computing Resources between Chembakam Digital Solutions, Mahe and P. G. Department of Malayalam and Research Centre, Mahatma Gandhi College, Thiruvananthapuram.


The purpose of this collaboration is to delineate the process by which the above parties will collaborate in providing know-how on Open-Source Language Computing Resources to students and faculty of P. G. Department of Malayalam and Research Centre of Mahatma Gandhi College, Thiruvananthapuram. This will include Research/ Consultancy/ Academic support/ Curriculum Enhancement/ Workshops/ Publication to stimulate intellectual growth, promote teamwork, and provide opportunities for students to improve their knowledge and skills, outside the standard curriculum.

**Terms and Conditions:**

1. There is no financial commitment for both parties of this collaboration.
2. Any expense incurred in undertaking projects shall be shared by both the parties, as decided at the time of its execution.
3. This agreement is valid for two years from the date of its commencement.

The terms of this collaboration shall commence on 11.01.2023 and shall extend through 30.12.2024 and is renewable thereafter as agreed upon by the parties.

  
Theertha C.,  
Managing Partner,  
Chembakam Digital Solutions,  
MAHE.

  
Dr. B. S. Srinivas,  
Head of the Department,  
P. G. Department of Malayalam and Research Centre,  
Mahatma Gandhi College,  
Thiruvananthapuram.

Royal Complex  
Near Karthika Gandhi Govt High School  
Chalakkara, Mahe - 673 310  
Web: www.chembakam.net  
Email: malchembakam@gmail.com  
Mob: 701 2942103



**MEMORANDUM OF UNDERSTANDING BETWEEN  
MAHATMA GANDHI COLLEGE THIRUVANANTHAPURAM  
AND  
CENTER FOR RESEARCH ON MOLECULAR AND APPLIED  
SCIENCES, THIRUVANANTHAPURAM**

This MoU is executed on 4<sup>th</sup> June, 2019 between Center for Research on Molecular and Applied Sciences Pvt Ltd, Thiruvananthapuram, Kerala. Hereinafter referred to as "CRMAS" which expression shall mean and include unless repugnant to context hereof, it's successors-in-interest, administrators and assigns

AND

MAHATMA GANDHI COLLEGE KESAVADAPURAM THIRUVANANTHAPURAM  
Hereinafter referred to as "**Mahatma Gandhi College**" which expression shall mean and include unless repugnant to context hereof, it's successors-in-interest, administrators and assigns

Whereas

**Mahatma Gandhi College, Thiruvananthapuram**, dedicated to the most revered memory of the Father of the Nation and founded by the Nair Service Society in 1948, is a premier educational institution where quality education is given new dimensions. It is one of the largest and oldest institutions of higher education in the capital city of the state of Kerala run by the largest educational agency of Kerala, the Nair Service Society. It functions with the objective of providing value added quality education to all, with special emphasis on the economically poor sections of the society, upholding the motto "Sa Vidya Ya Vimukthaye". It has 13 UG, 10 PG and 7 research programmes in the faculties of basic science, humanities and social sciences with more than 2500 students pursuing their studies in various disciplines. The college has been accredited by NAAC at 'A' level in the first phase which was retained in the second phase of



accreditation as well. University Grants commission bestowed the college with the status of CPE (College with Potential for Excellence) and awarded an assistance of Rupees One crore for the development of infrastructure and the conduct of various programs in the first phase. The college underwent its third phase of accreditation in 2018 and was awarded B+ grade with a CGPA of 2.73. The institution was selected for the award of three FIST (Fund for Improvement of Science and Technology Infrastructure in Universities and Higher Educational Institutions) programmes of the DST (Department of Science and Technology, Government of India). In 2018, the college bagged the 68th position in NIRF ranking by MHRD, Government of India, under Colleges category. A RUSA fund of Two Crores was also awarded to the college for infrastructure development in 2018.

“**CRMAS**” is a Contract research organization in Life science with wide range of R&D activities in Molecular Biology, Biotechnology, Microbiology and Bioinformatics. CRMAS is located at Valiyavila, Thiruvananthapuram, Kerala, India.

### **1. Sharing of Facilities**

- 1.1 Both the organizations agree to share their respective R & D facilities in order to promote academic and research interaction.
- 1.2 There will be provision for mutual sharing of experts from “**Mahatma Gandhi College**” and resource persons from **CRMAS**.

### **2. Joint R & D Projects**

- 2.1 Research projects in the identified areas will be jointly undertaken by “**Mahatma Gandhi College**” and “**CRMAS**” Both the organizations will submit collaborative research projects to various national and international funding agencies. Both the organizations would ensure the successful completion of the funded research projects.
- 2.2 For all the matters concerned a coordination committee overseeing the issues consisting of four members (Two members from **Mahatma Gandhi College**, two members from

“CRMAS” with the Chairman on rotation basis) for identifying joint R & D projects to be carried out under this MoU. The ethical approval of these projects would be granted by Ethics sub committees of **Mahatma Gandhi College** and “CRMAS” as registered under law.

### **3. Technology transfer:**

3.1 Both MAHATMA GANDHI COLLEGE and “CRMAS” agree to share the technology whenever feasible.

### **4. Joint Seminar/conference/Workshops/Hands on training programmes.**

4.1 Both **Mahatma Gandhi College** and “CRMAS” agree to hold/ conduct whenever feasible, joint Conference/Workshop/Hands on training programmes in **Mahatma Gandhi College /“CRMAS”**.

### **5. Industrial visits:**

5.1. Both **Mahatma Gandhi College** and “CRMAS” agree to organize industrial visits whenever feasible, for the students, staff and delegates and also during the Conference /Workshop/Hands on training programmes.

### **6. Industrial training:**

6.1 Both **Mahatma Gandhi College** and “CRMAS” agree to train the students, research scholar and staff of **Mahatma Gandhi College** by organizing industrial training programmes whenever feasible related to technology, Analytical development, validation and documentation etc.

6.2.“CRMAS” agree to Provide summer internships to students is another area. This helps in motivating the students, understanding industry environment and practices,

job profiles, projects they can undertake which helps them to pursue career in R&D institutions in future.

6.3 Charges applicable to conduct the industry activities will be decided jointly by both the parties taking into account the different fixed and variable cost enquired for conducting the activities , compensations/ honorarium, consultancy charges for involved people and charges to be paid to the establishment for permitting the sponsored research etc.

6.4 The norms developed concerning the charges will be subjected to revision every year.

## **7. CONFIDENTIALITY AND NON-DISCLOSURE**

7.1. Both parties recognize, accept and agree that all tangible and intangible information obtained or disclosed to the other party or its staff or employees including all details, documents, patient information an particulars and trade secrets (all of which are hereinafter referred to as confidential and / or proprietary information) of such party which may be communicated to other party, its staff / employees who may be privy under or pursuant to this contract and / or in the course of performance of such party's obligations under this contract shall be treated as absolutely confidential and the other party agrees and undertakes to ensure that it and all its staff / employees shall keep the same as secret and confidential and shall not disclose the same, at all in whole or in part to any person at any purpose other than as may be necessary for due performance of the party's obligations herein and only for the benefit of the other party.

7.2. Both parties hereby unconditionally agree and undertake to ensure that they or their staff / employees shall not disclose or publish the existence of the terms and conditions of this contract or any information relating to it or other business which they may come across of performing their duties unless such disclosure or publication is strictly required by law or by any authority acting under law.

## 8. Duration, Amendment and Termination of MoU

8.1 This MoU shall be valid for a period of **five years** from the date of its signing. During the period of the validity, the MoU can be amended any time by mutual consent of both the parties in writing. The MoU can also be terminated by either party giving the order a written notice of its desire to terminate the MoU by giving three months notice in advance. In the event of such termination both the parties shall cooperate in good spirit for the completion of the ongoing researchers.

## 9. Dispute Resolution and Governing Law

9.1 The dispute or issue if any arising out of or touching this Agreement if not resolved amicably shall be referred to an arbitration of an arbitrator mutually agreed by the parties. In the event parties fail to agree on single arbitrator then each party shall appoint third arbitrator. The Language of the arbitration shall be in English.

9.2 In witness whereof of the two parties have signed this memorandum of understanding by the hand of, on behalf of MAHATMA GANDHI COLLEGE and by the hand of behalf of "CRMAS" on the date, month and year referred to above.

Signed by  
The Principal  
Mahatma Gandhi College  
Thiruvananthapuram

Principal  
Mahatma Gandhi College  
Thiruvananthapuram  
Witness:



Signed by  
Dr. Rajesh Ramachandran  
Director  
CRMAS

Dr. RAJESH RAMACHANDRAN  
Director and Research Head  
Center for Research on Molecular  
& Applied Sciences (P.) Ltd.  
Vallyavla, Thiruvananthapuram - 6

1. Dr. Rahul - S

2.

Dr. ADHIRA M. NAYAR

Dr. ADHIRA M NAYAR  
Assistant Professor  
Postgraduate Department of  
Zoology & Research Centre  
Mahatma Gandhi College  
Thiruvananthapuram-695004







## Koneru Lakshmaiah Education Foundation

(Deemed to be University) Act. 1 of the UPSC Act, 1986.  
Campus: Green Fields, Vaddeswaram, Guntur District, Andhra Pradesh, India. PIN 522 202  
Phone No. 88649 - 350200; www.kluniversity.in; www.klef.edu.in



**Dr. Venkata Ratnam Devanaboyina**

20/8/2021

Professor, Department of ECE,

Koneru Lakshmaiah Education Foundation (Deemed to be University)

Vaddeswaram, Guntur

Andhra Pradesh-522302

Dear Dr. Simi K. G.,

I would like to express my willingness to serve as a collaborator on your research work regarding the project entitled "Global equatorial/low-latitude aeronomy during solar cycle 24 to the Aeronomy Community".

I will be able to contribute approximately 40% of my effort to this work, subject to the availability of time and resources. This collaboration is a part of my official duties as an employee at the Koneru Lakshmaiah Education Foundation (Deemed to be University), Guntur, Andhra Pradesh. This collaboration is designed to encourage a friendly relationship through mutual cooperation in research between me and Dr. Simi K.G., Assistant Professor, Department of Physics, Mahatma Gandhi College, Trivandrum, Kerala. I will provide scientific input and mentoring. I look forward to working with you on this collaboration.

Sincerely,

**Dr Venkata Ratnam Devanaboyina**

*D V Ratnam 20/08/2021*

Professor,  
Dept. of ECE  
KLEF deemed to be University,  
Vaddeswaram - 522 502  
Guntur District, A.P., India

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# UNIVERSITY OF LAGOS

## DEPARTMENT OF PHYSICS

**Dr. A. O Akala** *B. Tech (Akure), M. Sc, Ph. D (Lagos)*  
*(Communication & Navigation Scientist)*

Date: 25th January 2022

**Collaboration between Dr. Andrew Akala of the Department of Physics, University of Lagos, and Dr. Simi K.G. of the Department of Physics, Mahatma Gandhi College, Trivandrum, Kerala, India on the State of the Equatorial/Low-latitude Ionosphere during Solar Cycle 24**

### 1.0 Background

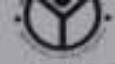
Under my academic leadership, we designed a **Space Research Campaign** encompassing different research projects covering some topical areas in space in space physics to foster research collaboration between my Research Group and Dr. Simi K.G. of the Department of Physics, Mahatma Gandhi College, Trivandrum, Kerala, India.

The Research Campaign proffered an understanding of the state of the equatorial/low-latitude ionosphere during solar cycle 24 to the Aeronomy Community. The complex coupling processes from the Sun to the Earth, particularly the impacts of such (Solar-Magnetospheric-Ionospheric-Atmospheric) couplings on the Earth's atmosphere/ionosphere over the African and Indian sectors were brought to the fore, and their impacts on man-made systems were carefully elucidated. Where necessary, members may solicit assistance from their colleagues but this must be approved by the team.

### 1.2 Publications

The study period was from September 2020– September 2022. Five peered reviewed articles came out of the collaboration. The articles are:

1. Simi K.G, A.O. Akala, K.S. Krishna, P.O. Amaechi, A. Ogwala, D.V. Ratnam, O.J. Oyedokun (2021), Responses of the Indian Equatorial Ionization Anomaly to two CME-induced geomagnetic storms during the peak phase of solar cycle 24, *Advances in Space Research*, 68(8), 3417-3434, <https://doi.org/10.1016/j.asr.2021.06.013>



കേരള സാക്ഷരത സാക്ഷരതാമിഷൻ അതോറിറ്റി  
**KERALA STATE LITERACY MISSION AUTHORITY**

(GENERAL EDUCATION DEPARTMENT, GOVERNMENT OF KERALA)

"Aksharam", Near Govt. Boys H S S Pettah, Pettah P.O., Thiruvananthapuram-24

Phone: 0471-2472254, 2472253, Fax: 0471-2462252, e-mail: stateliteracymission@gmail.com

No. A4-5543/22/KSLMA

Dated: 04.12.2023

**MEMORANDUM OF UNDERSTANDING ON INTERNSHIP TRAINING OF  
11 POSTGRADUATE STUDENTS BETWEEN KERALA STATE LITERACY MISSION  
AUTHORITY AND P G DEPARTMENT OF MALAYALAM & RESEARCH CENTRE  
MAHATMA GANDHI COLLEGE, THIRUVANANTHAPURAM**

This is a Memorandum of Understanding agreed upon on 17.11.2022 and is intended to Internship Training in Kerala State Literacy Mission Authority and P G Department of Malayalam and Research Centre, Mahatma Gandhi College, Thiruvananthapuram.

The purpose of this collaboration is to delineate the process by which the above parties will collaborate in providing Internship Training of students P G Department of Malayalam and Research Centre of Mahatma Gandhi College, Thiruvananthapuram. This will include Research/ Consultancy/Academic support/Curriculum Enhancement/Workshops/Publication to stimulate intellectual growth, promote teamwork, and provide opportunities for students to improve their knowledge and skills, outside the standard curriculum.

**Terms and Conditions:**

1. There is no financial commitment for both parties of this collaboration.
2. Any expense incurred in undertaking projects shall be shared by both the parties, as decide at the time of its execution.
3. This agreement is valid for ten days from the date of its commencement.

The terms of this collaboration shall commence on 17.11.2022 and shall extend 29.11.2022 a is renewable thereafter as agreed upon by the parties.



Oleena A G  
Director  
Kerala State Literacy Mission Authority  
Thiruvananthapuram

Dr. Ajith G Kri  
Head of the Depart  
P G Department of Malayalam & Research C  
Mahatma Gandhi College, Thiruvananthap



# OFFICE OF THE PRINCIPAL MAHATMA GANDHI COLLEGE

(Accredited with B+ Grade by NAAC)  
Kesavadasapuram, Thiruvananthapuram – 695004 Phone: 0471-  
2541039, Fax: 0471-2540103

## LETTER OF COLLABORATION – ACADEMIC LINKAGE

Between  
**Mahatma Gandhi College, Thiruvananthapuram**  
and  
**Kerala Hindi Prachar Sabha ,Thiruvananthapuram**

This Letter of Collaboration is designed to foster an academic collaboration /linkage through mutual cooperation in teaching, research, innovation and skill development within the academic community between **Kerala Hindi Prachar Sabha ,Thiruvananthapuram** and **Mahatma Gandhi College, Thiruvananthapuram** (affiliated to the University of Kerala) is made on the 14<sup>th</sup> day September of 2022 at Kerala Hindi Prachar Sabha Cotton Hill, Vazhuthacaud, Thiruvananthapuram, Kerala 650014 .

No financial obligations are presumed under this agreement.

Kerala Hindi Prachar Sabha Cotton Hill, Vazhuthacaud, Thiruvananthapuram, Kerala 650014 and Mahatma Gandhi College Thiruvananthapuram, have reached an agreement on the following areas of cooperation, subject to mutual consent and the availability of sufficient funding:

- ❖ Student Exchange – Library Internship/ Skill Development Programmes
- ❖ Faculty Exchange/ Resource Person/ Subject Experts in various academic activities/events/programmes
- ❖ Field Visits
- ❖ Research Conferences/ Student Seminars/Conferences/Workshops

❖ Staff Improvement Programmes for both Teaching and Non-Teaching faculty/Faculty Development Programmes

❖ Innovation and Incubation

The terms of such mutual assistance and funding for any specific program and activity shall be mutually discussed and agreed upon in writing by the parties prior to the initiation of any particular program.

Each institution will designate a faculty to coordinate this program and all endeavours that may ensue from it.

No amendment, consent, or waiver of terms of this Letter of Collaboration shall bind either party unless in writing and signed by all parties.

Any such amendment, consent, or waiver shall be effective only in the specific instance and for the specified purpose given.

This Letter of Collaboration shall commence on the date of latest signature and be in effect for five years, in which time it shall be reviewed for possible extension. Either party may terminate this Letter by written notification signed by the appropriate official of the institution inwriting the notice.

However, such notification must be received by the other party at least six months prior to the effective date of termination.

Mahatma Gandhi College Thiruvananthapuram

And

Principal  
Mahatma Gandhi College  
Thiruvananthapuram

Kerala Hindi Prachee Sabha Cotton Hill, Vadhakkuzha, Thiruvananthapuram, Kerala 690014



Secretary  
Kerala Hindi Prachee Sabha  
Thiruvananthapuram-14

14/09/2022

Thiruvananthapuram



**MAHATMA GANDHI COLLEGE,  
POST GRADUATE AND RESEARCH DEPARTMENT,  
REPORT OF One Day Seminar**

The Post Graduate and Research Department of Hindi had organized a State level Seminar in collaboration with Kerala Hindi Prachar sabha, Thiruvananthapuram and College IQAC on 26th September of 2022. The theme of the seminar was Kerala mein Hindi ki Sambhavnayen (केरल में हिन्दी की संभावनाएं). The seminar was inaugurated by Dr. V.M.Aranda Kumar, Principal and chaired by Dr. Usha kumari.J.B, Head of the Department of Hindi, Mahatma Gandhi College, Thiruvananthapuram. Dr. Rajesh Kumar.R, seminar convener had delivered the welcome address. Dr.P.J.Siva.kumar, Thiruvananthapuram was the chief guest of the Seminar. There were papers presented by the research Scholars in different area in the seminar.

Date: 2022, 10/09  
Page: 01/01

*स्वातंत्र्यमेव हिन्दुत्वस्य आत्मा*  
*Freedom is the soul of nationalism*

संस्था	मा. महात्मा
संस्था	Dr. Rajesh Kumar, R, Seminar Convener, Dept. of Hindi, Mahatma Gandhi College, Thiruvananthapuram
अध्यक्ष	Dr. V. M. Aranda Kumar, Principal
मुख्य अतिथि	Dr. P. J. Siva Kumar, Seminar Convener, Thiruvananthapuram
अध्यक्ष	Dr. V. M. Aranda Kumar, Principal
अध्यक्ष	Dr. V. M. Aranda Kumar, Principal
अध्यक्ष	Dr. V. M. Aranda Kumar, Principal
अध्यक्ष	Dr. V. M. Aranda Kumar, Principal
अध्यक्ष	Dr. V. M. Aranda Kumar, Principal

*Usha*  
*HOD*



**Mahatma Gandhi College**  
Tilavin manchipuram

Post Graduate & Research Dept. of Hindi

In Association with IQAC &  
Konda Prasad Peethar Sabha

Post Graduate course  
& research articles

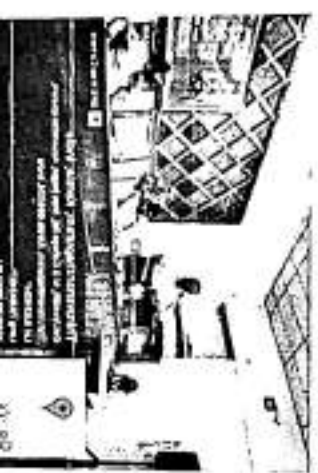
For more details contact the  
In-charge Officer

Dr. Rajesh Kumar, A  
Coordinator

Dr. V.M. Anand Kumar  
Principal

Dr. V. Subramani, LLB  
HOD

Dr. Subramani, LLB  
IQAC Coordinator



**വിളപ്പിൽ ഗ്രാമപഞ്ചായത്ത്**  
 23/11/2022 തീയതി നടന്ന സാധാരണ മീറ്റിംഗിലെ  
 10 (1) നമ്പർ തീരുമാനം

തിരുവനന്തപുരം മഹാത്മാഗാന്ധി കോളേജ് പ്രിൻസിപ്പൽ സമർപ്പിച്ച 04/11/2022 തീയതിയിലെ കത്ത് പഞ്ചായത്ത് കമ്മറ്റി ചർച്ച ചെയ്തു. ആയത് പ്രകാരം മാനവ വിഭവശേഷി മന്ത്രാലയത്തിന്റെ ഉന്നത് ഭാരത് അഭിയാൻ പ്രോഗ്രാമിന് കീഴിൽ ഗ്രാമങ്ങളിലെ സംരക്ഷണ വികസനത്തിനായുള്ള പരിപാടികൾ തിരുവനന്തപുരം മഹാത്മാഗാന്ധി കോളേജ് ചെയ്ത് വരുകയാണ് എന്നും ടി പരിപാടിയുമായി ബന്ധപ്പെട്ട് വിളപ്പിൽ ഗ്രാമ പഞ്ചായത്തുമായി സഹകരിച്ച് എൽ ഇ ഡി ബൾബ് , പേപ്പർ ബാഗ് എന്നിവയുടെ നിർമ്മാണ പരിശീലനം നൽകാൻ താല്പര്യമുണ്ട് എന്നും ആയതിനു അനുമതി നൽകുന്നതിനും അറിയിച്ചിരിക്കുന്നു. ടി വിഷയം ഉന്നത് ഭാരത് അഭിയാൻ പ്രോഗ്രാം കോ ഓർഡിനേറ്ററും മഹാത്മാഗാന്ധി കോളേജിലെ അസിസ്റ്റന്റ് പ്രൊഫസർ Dr. ശ്യാംലാലുമായി ചർച്ച ചെയ്തു പഞ്ചായത്ത് കമ്മറ്റി ടി വിഷയത്തിൽ വിളപ്പിൽ ഗ്രാമ പഞ്ചായത്തിലെ ജനങ്ങൾക്കായി പരിശീലനം നൽകാൻ ടി കോളേജിനു അനുമതി നൽകി തീരുമാനിച്ചു.

- ശരിപകർപ്പ് -



ഒപ്പ്  
 പ്രസിഡന്റ്  
*Lillyom*  
**LILLYOMHAN**  
 President  
 Vilappil Gramapanchayat  
 Pevad P.O. Pin - 695 573



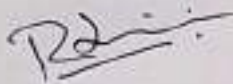
**Agreement of Linkage between Society for Odonate Studies and  
Department of Zoology, Mahatma Gandhi College, Thiruvananthapuram**

This is an agreement of linkage made on 09-03-2023 and is intended to outline and formalize the partnership between Society for Odonate Studies – India, Kerala and Mahatma Gandhi College, Thiruvananthapuram.

The purpose of this linkage agreement is to delineate the process by which the above parties will collaborate in referring and providing appropriate aids and expertise in UG and PG projects and for research students by the above-mentioned organization to get a real life experience in nature and know more about the Odonates and their role in ecosystem maintenance.

The practical knowledge gained from this helps in expanding their knowledge base, promoting holistic education, and increase their curiosity towards nature and biodiversity. The main objective of this linkage is to create an inclusive and comprehensive learning environment that prepares students to tackle the challenges they may face in their academic, professional, and personal lives.

The terms of this linkage agreement shall commence on 01-04-2023 and shall extend through one year and is renewable thereafter as agreed upon by the parties.



Renjith Jacob Mathews  
Secretary  
Society for Odonate Studies  
Kerala

