

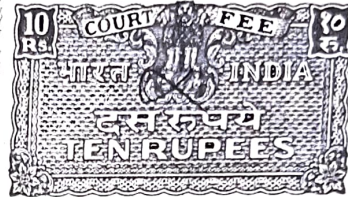
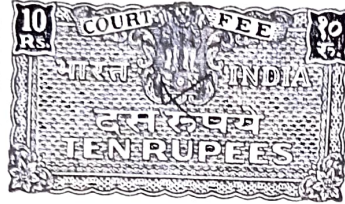
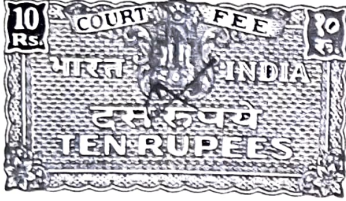
3.5.1. Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the past five years (2018 to 2023)



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 12th 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

Position: Asst-Professor & HOD

Date: 12-03-2021

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



Koneru Lakshmaiah Education Foundation

(Deemed to be University under 3 of the UGC Act, 1956)

Campus: Green Fields, Vaddeswaram, Guntur District, Andhra Pradesh, India. PIN 522 302
Phone No. 08645 - 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 Retnam 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>



**AGREEMENT OF LINKAGE BETWEEN
WE GROW FOREST FOUNDATION
AND**

MAHATMA GANDHI COLLEGE - THIRUVANANTHAPURAM

This Agreement of Linkage (hereinafter referred to as the "Agreement") is entered into on July 2nd, 2021 by and between:

We Grow Forest Foundation, a registered NGO under Niti Aayog with its principal place of business at TJRA 217, Jawahar Nagar, Sasthamangalam, Thiruvananthapuram, Kerala 695010, hereinafter referred to as "We Grow Forest Foundation" and represented by Dr Meera Asmi, Chairwoman,

AND

Mahatma Gandhi College, Thiruvananthapuram, is a reputable educational institution with its principal place of business at Kesavadasapuram, Pattom. PO., Thiruvananthapuram, Kerala 695 004, hereinafter referred to as "Mahatma Gandhi College" and represented by Dr Sarita R, Head of the Department, Sociology.

WHEREAS, both parties recognize the mutual benefits of collaboration in promoting intellectual growth, teamwork, and opportunities for students to showcase their knowledge and skills beyond the standard curriculum;



NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, the parties agree as follows:

Purpose of Linkage

The purpose of this linkage agreement is to establish a formal partnership between We Grow Forest Foundation and Mahatma Gandhi College. This partnership aims to collaborate in referring and providing appropriate aids for conducting various programs to the Sociology department students, fostering their intellectual growth, and offering opportunities to showcase their knowledge and skills in areas related to environmental sustainability, conservation, and community engagement.

Responsibilities of We Grow Forest Foundation

1. We Grow Forest Foundation shall provide expert guidance, resources, and support to the Sociology department students of Mahatma Gandhi College for conducting programs related to environmental awareness, tree plantation drives, conservation initiatives, and other sustainability-oriented projects.
2. The Foundation shall collaborate with faculty members of Mahatma Gandhi College to design and implement workshops, seminars, and hands-on learning experiences for students in line with their academic requirements.

Responsibilities of Mahatma Gandhi College

1. Mahatma Gandhi College shall actively participate in the programs initiated by We Grow Forest Foundation and ensure the enthusiastic involvement of Sociology department students.
2. The College shall provide necessary facilities and logistical support for conducting joint activities, workshops, and events organized under this linkage agreement.



WE GROW FOREST
FOUNDATION

INSPIRED BY NATURE

REG. Number: IV/12/2021



SCAN TO VIEW
DIGITAL BUSINESS CARD

Funding and Resources

Both parties acknowledge that funding and resources required for specific programs and events shall be mutually discussed and agreed upon on a case-by-case basis. Each party shall contribute its resources as needed to ensure the successful execution of joint initiatives.

Term and Termination

This Agreement shall remain in effect for an initial term of five (5) years from the Effective Date. Upon completion of the initial term, either party may propose to renew this Agreement, subject to mutual consent. Either party may terminate this Agreement with a written notice of at least ninety (90) days before the desired termination date.

Confidentiality

Both parties agree to maintain confidentiality regarding any sensitive information shared during the course of their collaboration under this Agreement.

IN WITNESS WHEREOF, the duly authorized representatives of the parties have executed this Agreement as of July 2nd, 2021

Dr Meera Asmi
Chairwoman
We Grow Forest Foundation



Dr Sarita R
Head of the Department, Sociology
Mahatma Gandhi College