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தமிழ்நாடு தமிழ்நாடு TAMIL NADU Rs. 20/-

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2.2.2017

Karpagam University  
Coimbatore-21

37AB-786169  
P. Santhamani  
P. SANTHAMANI  
STAMP VENDOR  
Edayarpalayam,  
Coimbatore-8, Tamilnadu.  
L. No: 7333 / B1 / 97/B8

## MEMORANDUM OF UNDERSTANDING

### Preamble

1. Through this Memorandum of Understanding (hereinafter referred to as the "MoU"), The, Department of Life Sciences (Department of Microbiology, Department of Biotechnology, Department of Biochemistry), of KARPAGAM UNIVERSITY, KARPAGAM ACADEMY OF HIGHER EDUCATION Coimbatore, Tamil Nadu and the Department of Biochemistry, SREE NARAYANA GURU COLLEGE, affiliated to Bharathiar University, Coimbatore, Tamil Nadu, intend to develop a special relationship.

This MoU is made and entered into on this date: February 06, 2017

The Department of Life Sciences (Department of Microbiology, Department of Biotechnology, Department of Biochemistry), of Karpagam University, Karpagam Academy of Higher Education,

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Coimbatore, Tamil Nadu, referred to as "KU", established under section 3 of UGC Act 1956 is approved by Ministry of Human Resource and Development, Government of India and UGC, AICTE, COA, PCI with the aim of enabling quality education by enlightening young minds through enrichment of knowledge and skills and stand committed to establish and uphold high standards of education in today's changing global scenario.

AND

The Department of Biochemistry, Sree Narayana Guru College, Coimbatore, Tamil Nadu, is approved by the Government of Tamil Nadu and affiliated to Bharathiar University, Coimbatore, Tamil Nadu, referred to as "SNGC"

**Through this Memorandum of Agreement, the two parties agree to the following:**

1. KU agrees to share the knowledge by conducting technical training, seminars, conferences and workshops. Resource persons from KU will conduct all these in the Karpagam University premises.
2. KU will facilitate the following:
  - ❖ Under graduate, Post graduate, and research students and faculty of the SNGC will be allowed to carry out short/ long term research projects as per the requirements and approved plan of work.
  - ❖ Make available and use of the existing instrumental facilities in the laboratories of Department of Life Sciences, KU on payment basis of nominal charges fixed by mutual consent for the skill updation of students/faculties and for doing approved project work.
  - ❖ Guest lecture program by invited resource person on either side.
  - ❖ To allow the students and faculty members of SNGC for hands-on/ in-plant training and expertise of resource person in various field of life sciences (Microbiology, Biotechnology, and Biochemistry) as mentioned below
    - I. Workshop on instrumentation and bioinformatics (molecular modeling and drug designing tools)
    - II. Plant tissue culture and metabolite production (medicinal plant product)
    - III. Animal house (animal handling, animal studies) and animal tissue culture facilities
    - IV. Molecular taxonomy (Microbial identification based on rRNA/ITS gene sequencing, coliform testing)
    - V. Gene expression analysis (Isolation, expression system; Quantitative-PCR analysis)
    - VI. Analytical and quality testing of drinking water, food, beverages, milk and milk products, meat, confectionary, pharmaceutical, drug samples and industrial waste water (BOD, COD, pH, EC, TDS, TSS, dissolved oxygen, heavy metals (Zn, Cu, Mg, Fe, Cr) and hardness of water)
    - VII. Pathogen/disease diagnosis (Plant/micro-propagated plants, product preservatives)
    - VIII. Cultures for biofertilizer
    - IX. Product and process development of making herbal formulations (Pre-clinical studies) (Computational design, formulation, isolation and identification of bioactive compounds,



standardization, in vitro and in vivo studies – anticancer, antidiabetic, antimicrobial, toxicity)

- X. Supply and product evaluation of industrial enzymes (Leather, textile, food industries)
- XI. Control of fly, insects from house hold garbage
- XII. Bar-coding for herbal drugs/ products (Authentication and adulterant detection)

3. KU agrees to conduct regular specialized training courses of the above mentioned fields to the students and faculty members of the SNGC on payment basis as per the rates and orders of KU and prevailing from time to time.

4. Benefits such as improved technology, materials, process, design and techniques, accruing or arising from the collaborative effort may be used by either or both the parties with due recognition of each parties contribution only on agreement by both the parties.

5. Results and findings from the collaborative research project may be used by either or both parties with due recognition of each parties contribution only after agreement by both the parties.

6. Research findings published by either party will give due and proper credit to other parties contribution, but the party publishing them will be entirely responsible for correctness of data and information published, conclusions and interpretations reported.

7. No stipend shall be paid by KU for the above training.

#### **Status of MoU**

This MoU is intended to record mutual understanding of the parties hereto, as of the date hereof.

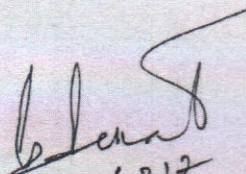
To discharge the responsibilities of each party, and/or when specific obligations or financial commitments appear necessary to the Parties, the parties by mutual consent shall enter directly (or through the concerned affiliate), into specific agreement(s) defining in detail the respective obligations and commitments of each party, and in particular the programme of work and the financial conditions of its expression.

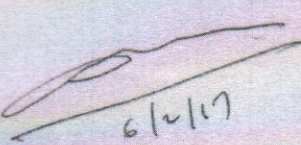
#### **Validity**

The MoU will be for an initial period of THREE years from the date of signing. The parties shall meet three months before completion of three years to decide a possible renewal of this MoU. The parties shall then sign a specific addendum.

#### **Amendment**

This MoU may be amended upon the mutual consent of all parties; but such amendment shall have no impact on any specific agreement then in force.

  
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### Termination

Any party upon providing a written notice of three months may terminate this MoU or in the event of force majeure prohibiting its continuity.

The expiry or termination of this MoU shall have no impact on any other specific agreement in force, which shall continue upto its normal expiry.

### Arbitration

This MoU shall be subject to the jurisdiction of Coimbatore only. The parties in the dispute will share equally the cost of arbitration as intimated by the arbitrator.

### Confidentiality

All parties acknowledge the confidentiality of the information, which may be transferred between the parties from time to time as being essential to this MoU and agree not to disclose the same to any third party. However, each party shall be free to disclose such information, as is part of the public domain at the time of disclosure, or required to be disclosed by official authorities in accordance with the applicable law.

The obligations of all the parties as defined above shall apply notwithstanding termination of this MoU.

As witnessed by the hand of duly authorized representative of the parties, as of the date, month and the year hereunder:



#### Authorized Signatory of SNGC

Name: Dr K V Sureshbabu  
Designation: **PRINCIPAL**  
Office seal: **SREE NARAYANA GURU COLLEGE**  
**K. G. CHAVADI,**  
**COIMBATORE - 641 105**

#### Authorized Signatory of KU

Name: Dr. G. SEKAR  
Designation: REGISTRAR  
Office seal: Karpagam University  
Pollachi Main Road, Eachaganur Road,  
Coimbatore - 641 021.

#### Witnesses

1. Name: Dr. M. Palani  
Designation and Address: Dean, F&B,  
Karpagam University  
Coimbatore - 641 021

2. Name :  
Designation and Address :

Dr. M. ILANGOVARAN  
06/02/2017

**Dr. M. ILANGOVARAN Ph.D.,**  
Professor and Head  
Department of Biochemistry  
Sree Narayana Guru College,  
K.G. Chavadi,  
Coimbatore - 641 105.

Date : 06 February, 2017  
Place : Coimbatore