

**Patent Publication – Transitmycin
(Dr. R. Balagurunathan – Department of Microbiology)**



US 20160200769A1

(19) **United States**
 (12) **Patent Application Publication** (10) **Pub. No.: US 2016/0200769 A1**
 Kumar et al. (43) **Pub. Date: Jul. 14, 2016**

(54) **COMPOUND, TRANSITMYCIN, EFFECTIVE AGAINST BACTERIAL AND VIRAL PATHOGENS** (86) **PCT No.: PCT/IN2014/000020**
 § 371 (c)(1),
 (2) **Date: Feb. 15, 2016**

(71) **Applicant: INDIAN COUNCIL OF MEDICAL RESEARCH, New Delhi (IN)** (30) **Foreign Application Priority Data**
 Aug. 16, 2013 (IN) 2435/DEL/2013

(72) **Inventors: Vanaja Kumar, Tamil Nadu (IN); Mukesh Doble, Tamil Nadu (IN); Balagurunathan Ramasamy, Tamil Nadu (IN); Suresh Ganesan, Tamil Nadu (IN); Radhakrishnan Manikkam, Tamil Nadu (IN); Luke Elizabeth Hanna, Tamil Nadu (IN); Soumya Swaminathan, Tamil Nadu (IN); Selvakumar Nagamiah, Tamil Nadu (IN)** (51) **Int. CL**
C07K 11/02 (2006.01)
A61K 35/74 (2006.01)
C12P 21/00 (2006.01)
A61K 38/15 (2006.01)

(52) **U.S. CL**
 CPC **C07K 11/02 (2013.01); A61K 38/15 (2013.01); A61K 35/74 (2013.01); C12P 21/00 (2013.01)**

(21) **Appl. No.: 14/912,123** (57) **ABSTRACT**
 (22) **PCT Filed: Jan. 9, 2014** Provided herein is a compound represented by Formula (I) (Transitmycin) effective against bacterial and viral pathogens.

**Patent Publication – Selenium Ytterbium Substitute Hydroxyapatite
(Dr. A. Gopi – Department of Chemistry)**

PATENT OFFICE
 INTELLECTUAL PROPERTY OFFICE BUILDING
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GOVERNMENT OF INDIA

Docket NO : 30082

To
 DR, DHANARAJ GOPI
 CHAMBER NO-557, DWAKA COURT COMPLEX, SECTOR-10, DWARKA NEW DELHI-110075

Sr. No.	CBR Number	Reference Number / Application Type	Application Number	Title/Remarks
1	10413	ORDINARY APPLICATION Pages:-0, Claims:- 0, Drawings:-0, Abstract:- 2, Claims pages:-0	202111013024	PREPARATION OF SELENIUM, YTTERBIUM SUBSTITUTE HYDROXYAPATITE AND BOVINE SERUM ALBUMIN COMPOSITE
2		E-2/484/2021-DEL	202111013024	Form2
3		E-3/14818/2021-DEL	202111013024	Form3
4		E-5/431/2021-DEL	202111013024	Form5
Total Amount				

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Patent Publication – Green Synthesis of Hydroxyapatite - Lactic Acid
(Dr. A. Gopi – Department of Chemistry)



क्रमांक : 011121611
SL No :



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No. : 333698
आवेदन सं. / Application No. : 1229DEL/2014
घदत करने की तारीख / Date of Filing : 07/05/2014
पेटेटी / Patentee : 1.DR. D. GOPI 2.DR. L. KAUITHE

प्रमाणित किया जाता है कि पेटेटी को उपरोक्त आवेदन में पदांकृत GREEN TEMPLATE SYNTHESIS OF HYDOXYAPATITE USING LACTIC ACID AS CHELATING AGENT नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 7th day of May 2014 से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled GREEN TEMPLATE SYNTHESIS OF HYDOXYAPATITE USING LACTIC ACID AS CHELATING AGENT as disclosed in the above mentioned application for the term of 20 years from the 7th day of May 2014 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 02/03/2020
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 7th day of May 2016/07 और उसके बाद हर वर्ष के उसी दिन के लिए होगी।
Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 7th day of May 2016 and on the same day in every year thereafter.

**Patent Publication –Hydroxyapatite synthesis from Egg Shell Waste
(Dr. E. Girija – Department of Physics)**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941017474 A

(19) INDIA (22) Date of filing of Application :02/05/2019

(43) Publication Date : 14/06/2019 (54) Title of the invention : SYNTHESIS OF HYDROXYAPATITE NANOPARTICLES FROM EGG SHELL WITH SPRAY ASSISTED CONTINUOUS FLOW MICROWAVE REACTOR

(51) International classification :C02F1/28 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No Filing Date :NA :NA (87) International Publication No : NA (61) Patent of Addition to Application Number Filing Date :NA :NA (62) Divisional to Application Number Filing Date :NA :NA

(71)Name of Applicant :

1)Dr. E K Girija Address of Applicant :Department of Physics, Periyar University, Salem, India-636 011 Tamil Nadu India

2)Dr Vivekanand S. Kattimani

3)Dr.VViswabaskaran

(72)Name of Inventor :

1)Dr. E K Girija 2)Dr Vivekanand S. Kattimani 3)Dr.VViswabaskaran

(57) Abstract : TITLE:SYNTHESIS OF HYDROXYAPATITE NANOPARTICLES FROM EGG SHELL WITH SPRAY ASSISTED CONTINUOUS FLOW MICROWAVE REACTOR•

7. Abstract

An improved microwave reactor 100 for the large scale in situ synthesis of medical grade hydroxyapatite (HAp) nanoparticle from eggshell biowaste by microwave heating is disclosed. The apparatus comprises a cavity 102, a reactor tube 104, a plurality of magnetrons 106, a control unit 112, an atomizer 116, a byproduct collector 110, an exhaust 115 for discharging the chemical wastes during the process and a sample collector 108. Before the microwave heating, CaCO₃ is extracted from the eggshell and converted into CaO via heating at 900 oC for 1 h in air atmosphere. The CaO is then dissolved in EDTA solution that acts as chelating agent is further mixed with phosphate reagent in such a way to get the Ca/P ratio as 1.67. The obtained reaction mixture is then processed in the microwave reactor 100 by charging it through the atomizer 116 in to the chamber into the reactor tube 104 to obtain the required HAp Nano particles in large scale. Figure associated with Abstract is FIG. 1

No. of Pages : 18 No. of Claims : 13

Patent Publication - Formulation - HIF9 Loaded Chitosan Nanoparticles (Dr. N. Elangovan – Department of Biotechnology)

(12) PATENT APPLICATION PUBLICATION (21) Application No.202041013943 A
(19) INDIA
(22) Date of filing of Application :30/03/2020 (43) Publication Date : 12/06/2020

(54) Title of the invention : A FORMULATION AND EVALUATION OF THE PEPTIDE HIF9 LOADED CHITOSAN NANOPARTICLES

	:A61K0009510000, G01N0033574000, A61K0048000000, G01N0033500000, C07K0019000000	(71)Name of Applicant : 1)D MANIMARAN Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, SCHOOL OF BIOSCIENCES, PERIYAR UNIVERSITY, SALEM, TAMILNADU, INDIA Tamil Nadu India 2)N ELANGO VAN 3)K JAGATHEESH (72)Name of Inventor : 1)D MANIMARAN 2)N ELANGO VAN 3)K JAGATHEESH
(51) International classification		
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a formulation and evaluation of the peptide HIF9 loaded chitosan nanoparticles and study embryo toxicity. Breast cancer is the second most common cancer among women worldwide, the etiology remains largely unknown. The current breast cancer therapy is limited to the aspects of recovery which was not always possible and drugs were also restricted to the stages of cancer. Heterodimeric transcription factor is a regulator for all the cellular response. Basically, Hypoxia inducible factor- α (HIF- α) is a heterodimer, which can act as a key regulator to decrease the oxygen level in the cellular activity. Therefore, HIF- α playing a vital role in the tumor progression. Here, we identified a novel peptide using insilico analysis. The present invention was carried out of different peptides which were screened with insilico analysis. The identified peptide HIF9 binding to the p-aminosalicylic acid (PAS-B) domain and hinders the dimerization and transcription activity. Further, the quantification method for peptide HIF9 by HPLC was developed and validated which is not available. Additionally, the nano formulations were made with varying peptide and chitosan. The formulation was tested for surface morphology, Plasma stability, Geno toxicity, Hemo compatibility, and Embryo toxicity. The apoptotic effect of Peptide Chitosan Nanoparticles (PCN-M04) was assessed in the MCF-7 breast cancer cells which confirmed the safety and efficiency. Hence, the PCN-M04 therapy for mammary carcinoma was further confirmed with in vivo evaluation using DMBA induced by the mammary carcinoma rat model. In conclusion, these findings endorse those metabolic alterations, which would bring in the normal levels upon the PCN-M04 treatment. Hence this formulation could be employed alone or as combined, with the existing therapy to furnish an effective anticancer treatment.

No. of Pages : 12 No. of Claims : 4

Patent Publication –Formulation - 7,8-Dihydroxyfavone derivative – Biological applications for SARS-COV-2 (Dr. N. Elangovan – Department of Biotechnology)

(12) PATENT APPLICATION PUBLICATION (21) Application No.202041044828 A
(19) INDIA
(22) Date of filing of Application :14/10/2020 (43) Publication Date : 23/10/2020

(54) Title of the invention : 7,8-DIHYDROXYFAVONE DERIVATIVE MOLECULES EXERTING AMELIORATIVE BIOLOGICAL APPLICATIONS, NEUROLOGICAL AND CORONAVIRUS SARS-COV-2

	:C12N 15/11	(71)Name of Applicant : 1)Mohankumar Thangavel Address of Applicant :Department of Biotechnology, School of Biosciences, Periyar University, Salem 636011, Tamil Nadu, India Tamil Nadu India 2)Dr. Elangovan Namasivayam (72)Name of Inventor : 1)Mohankumar Thangavel 2)Dr. Elangovan Namasivayam 3)Dr. Pavan Kumar Padarathi 4)Dr. Manigandan Krishnan 5)Dr. Balakrishnan Rengasamy 6)Sruthi Balu
(51) International classification		
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to pharmaceutical preparations comprising Novel Dihydrofluorate(DHF) derivatives, for potential therapeutic ability against Parkinson's Disease, ameliorative antioxidant status and reduced cadmium-induced toxicity, against rotenone induced cell injury and potential mechanisms and potential agent against ACE2, Spike protein and NSP12. The antioxidant effect of DHF-BAHPC on Cd intoxicated zebrafish embryos was studied by monitoring the survival rate, hatching success rate, heartbeat rate and developmental deformities at 96 hpf. The 7,8-Dihydroxyfavone (DHF) derivatives as potential coronavirus SARS-COV-2 agents against angiotensin-converting enzyme 2(ACE2), SARS-CoV2 Spike protein (RBD) and NSP12.

No. of Pages : 30 No. of Claims : 5

Virtual Reality Simulation Technology (VRST) for Cardio Pulmonary Resuscitation (CPR) Training for B.Voc AR/VR Students

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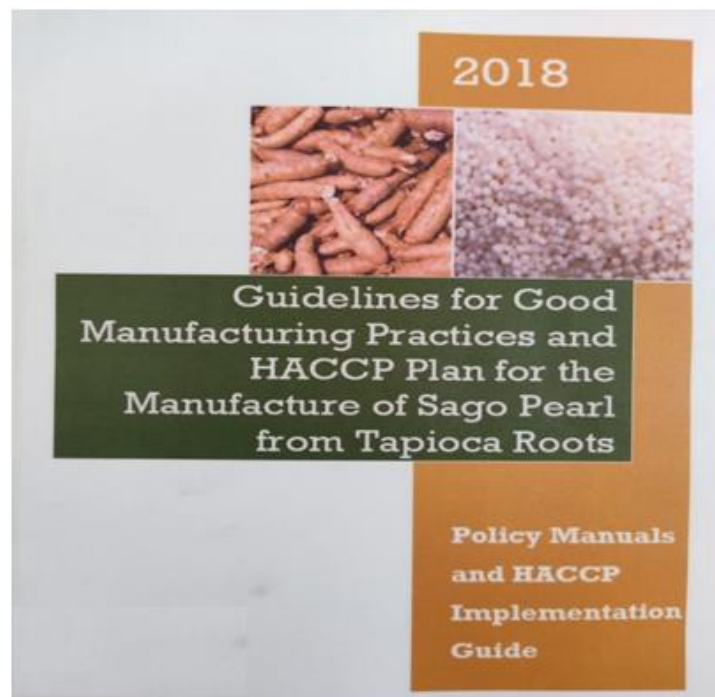
Department of Computer Science offering CPR Training through VRST – An innovative hybrid system with haptic feedback in the presence of Vice Chancellor Prof. P. Kolandaivel

Virtual Reality Simulation Technology for Cardio Pulmonary Resuscitation Training



Hands-on Training session on CPR skills through VRST provided to B.Voc students in the presence of Vice Chancellor Prof. P. Kolandaivel

SAGO SERVE Collaboration with Department of Food Science and Nutrition Department



Guidelines for Good Manufacturing Practices and HACCP Plan for the Manufacture of Sago Pearl from Tapioca Roots | 2018

Acknowledgements

Guidelines for Good Manufacturing Practices and HACCP plan for the Production of Sago Pearl from Tapioca Root

Documented by

SAGO SERVE Technical Committee in Association with Department of Food Science and Nutrition, Periyar University, Salem

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Editor

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Managing Director
SAGO SERVE, Salem

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SAGO SERVE Technical Committee Members

Approved by

Food Safety and Standards Authority of India/Quality Council of India

Members

Faculty of Department of Food Science and Nutrition, Periyar University; SAGO SERVE Technical Committee Members and FSSAI Officials are grateful to Sago Pearl Manufacturing Industrialists who participated in the preparation of GMP, OHP and HACCP guidelines.

SAGOSERVE willing to collaborate with Department of Food Science and Nutrition regarding research knowledge to implement the Standard Operating Procedures for manual processing sago industries and semi-automatic sago manufacturing industries in order to bring quality sago products. This manual would be helpful for industries to produce quality sago.

Technology Transfer Details




பெரியார் பல்கலைக்கழகம்
PERIYAR UNIVERSITY
SALEM – 636 011, TAMIL NADU

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

Details of Technology Transfer

S.No.	Name of the Technology Transferred	FSSAI License No.	Name of the Industry	License Year	Name of the Student/Faculty
1.	Sowkiya Health Mix	12419018001219	Foodies Natural, Salem	2020	Mr.S.Dinesh Raj
2.	Nano Starch Based Edible Coating Solution	2241918800097	RT Foods Salem	2019	Dr.M.Deepa


Prof. Dr. T. Poongodi Vijayakumar,
M.Sc., M.Phil., Ph.D., PGDCA.,
Professor and Head
Department of Food Science and Nutrition
Periyar University, Salem-636 011

TANSA Awards received by Faculty

AWARDS & RECOGNITION RECEIVED BY FACULTY MEMBERS OF PERIYAR UNIVERSITY

STATE LEVEL AWARDS

S.No.	Name of the Faculty	Department	Name of the Award	Awarding Agency	Year of Award
1.	Prof. R. Balagurunathan	Microbiology	TAMILNADU SCIENTIST AWARD - 2018	Tamilnadu State Council for Science and Technology, Chennai	2020
2.	Prof. V. Raj	Chemistry	TAMILNADU SENIOR SCIENTIST AWARD - 2017	Science City, Chennai	2019
3.	Prof. S. Anbazhagan	Geology	TAMILNADU SCIENTIST AWARD - 2016	Tamilnadu State Council for Science and Technology, Chennai	2018
4.	Dr. P. Indra Arulselvi	Biotechnology	TAMILNADU YOUNG WOMEN SCIENTIST AWARD - 2012	Science City, Chennai	2014
5.	Prof. D. Gopi	Chemistry	TAMILNADU SCIENTIST AWARD FOR MEDICAL SCIENCES	Tamilnadu State Council for Science and Technology, Chennai	2013
6.	Prof. K. Thangavel	Computer Science	TAMILNADU SCIENTIST AWARD - 2009	Tamilnadu State Council for Science and Technology, Chennai	2011
7.	Prof. P. Nazni	Nutrition and Dietetics	YOUNG WOMEN SCIENTIST AWARDS	Science City, Chennai	2011

<https://www.periyaruniversity.ac.in/Documents/2020/awards.pdf>

D.Sc Award – Dr. R. Balagurunathan - Department of Microbiology

eg. No : 17DSC1001
College Code: 520

No.2KN 048602



பெரியார் பல்கலைக்கழகம்
PERIYAR UNIVERSITY



(Established by the Government of Tamil Nadu in 1997; Recognized by UGC under 2(f) and 12(b) of UGC Act;
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FACULTY OF SCIENCE



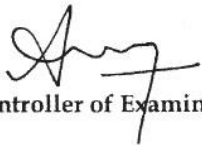
The Syndicate of the **PERIYAR UNIVERSITY** hereby makes known that
BALAGURUNATHAN R has been admitted to the
degree of **DOCTOR OF SCIENCE** in **MICROBIOLOGY**
having been certified by the duly appointed Examiners to be qualified to receive the
degree on **September 25, 2019** for the thesis entitled,

**BIOPROSPECTING OF ACTINOBACTERIA FROM INDIAN RARE ECOSYSTEMS
FOR CLINICAL, ENVIRONMENTAL AND NANOTECHNOLOGICAL APPLICATIONS**



Given under the seal of the University

dated : 24-10-2019
Periyar University
Tamil Nadu, India.


Controller of Examinations i/c


Registrar i/c


Vice-Chancellor

D.Sc Award – Dr. A. Gopi - Department of Chemistry



PERIYAR UNIVERSITY

SALEM - 636 011, TAMIL NADU, INDIA

NAAC A Grade – State University – NIRF Rank 83

Dr.S. Kadhiravan
Controller of Examinations (i/c)

Ref. No. PU/COR/CHE-EX/Ph.D.-Award/1135-04/2020

Date: 15.10.2020

To

Dr.D.Gopi ✓
Professor
Department of Chemistry
Periyar University
Salem - 636 011

Reg. No.: 17DSC1003
Centre Code: 504

Sir/Madam,

Sub: Your Application and thesis for the award of D.Sc. Degree - Reg.

The authorities considered the reports of the board of Examiners on the thesis submitted and on the Public Viva-Voce Examination taken by you for the D.Sc. Degree and declared you as qualified for the D.Sc Degree with effect from 29.09.2020 i.e., the date on which your Viva-Voce examination was held.

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Controller of Examinations (i/c)

Title of Thesis: (SUB: Chemistry)

"DEVELOPMENT OF NOVEL AND MULTIFUNCTIONAL
MINERALS SUBSTITUTED BIO-CERAMIC MATERIALS
FOR IMPLANT APPLICATIONS"



Copy to:

- (i) The Head of the Department
Department of Chemistry
Periyar University,
Salem - 630 011

Department of Computer Science –DDU-GKY Programme Sanction Letter



TAMILNADU CORPORATION FOR DEVELOPMENT OF WOMEN LTD., (A GOVERNMENT OF TAMILNADU UNDERTAKING)

Annai Teresa Mahalir Valagam, 1st Floor, Valluvarkottam High Road,
Nungambakkam, Chennai - 600 034.

PROCEEDINGS OF THE CHIEF EXECUTIVE OFFICER (i/c), TNSRLM

PRESENT: Dr J U CHANDRAKALA, I.A.S.,

Proc.No. TN/67/D-2020/Periyar Univ/108

Date:24.07.2020

Sub: TNSRLM – Sanction of Project under DDU-GKY Programme – For imparting Skill Training to rural candidates in selected districts of Tamil Nadu to be implemented by **M/s. PERIYAR UNIVERSITY (TN2020GO35702)** – Sanction Order Issued – Reg.

- Ref:**
1. DDU-GKY Guidelines issued by MoRD in September 2013.
 2. Proposals Submitted through online (<https://erp.ddugky.info>) by **M/s. PERIYAR UNIVERSITY (TN2020GO35702)**
 3. 11th PAC meeting held under Chairmanship of ACs, RD & PR, through VC, Dated: **19.05.2020**
 4. Minutes of 11th Project Approval Committee – Meeting Minutes, Dated:**30.05.2020**

ORDER:

In reference to 1st cited above, the PIA applicant has submitted their proposals through online in line with DDU GKY Skill Guidelines. The State level Project Approval Committee constituted by Government of Tamil Nadu has evaluated the proposal submitted by **M/s. PERIYAR UNIVERSITY (TN2020GO35702)** for imparting skill training to the rural youths and approved the project on selected trades and in Districts concerned. Subsequently, the PIA has been asked to modify the project as per PAC sanctions; now the PIA applicant has submitted the details in MRIGS / ERP after project modification for the same and accordingly the administrative sanction is accorded herewith.

The details of sanction are tabulated below:

Sl. No.	Particulars	Details
1	Name of the Project Implementing Agency	M/s. PERIYAR UNIVERSITY – PRN - (TN2020GO35702)
2	Number of Candidates Sanctioned	350

Phone : 91-44-2817 3412 / 13 / 14 Fax : 91-44-2817 3409
E-mail : tncdwho@yahoo.co.in Web : <http://tamilnadumahalir.org>

**Periyar University – Business Incubation Confederation
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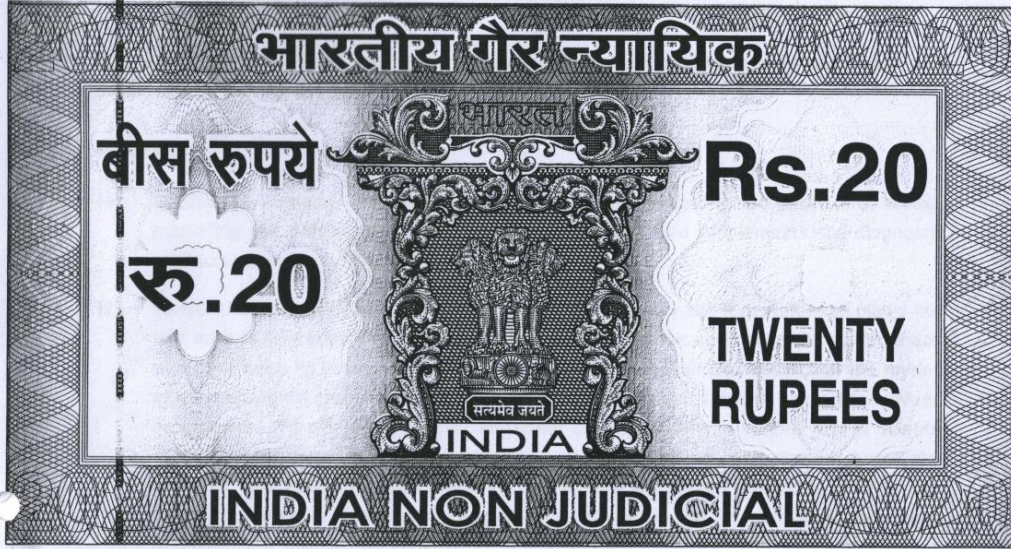
(CIN: U80900TZ22019NPL031555)

INCUBATEE LIST – JUNE 2021

S.No	Name of the incubate	Name of the Start-up	Date & Year of incubation
Virtual			
1	Mr.P.Brabasudhan	Murugla Industries	23.01.2021
2	Mr.Sakthivel	Daily Fresh Ice Creams	29.04.2021
3	Mr.M.Praveen	Oscar Daisy	28.04.2021
4	Mr.T.Srikanth	Nutriseeds	05.09.2020
5	Mr.Sundaram	RT Foods	05.09.2020
6	Mrs.R. Kanimozhi	Magizh Orgafit	15.02.2021
7	Ms.Priya and Team	De-fogger	23.01.2021
8	Ms.S.Abirami	Greeniac	28.04.2021
9	Mr.E.Mahesh	Breeze	23.01.2021
10	Mr.Ratna Teja and Team	Farmequip	23.01.2021
11	Ms.Amsavarthini	Namm Thozhiye	23.01.2021
12	Mr.Gokul and Team	X-cide	23.01.2021
13	Mr.Abishek and Team	Guava Herb	March batch Pre-incubation
14	Ms.Krithika	KG Groups - APK Materials	23.01.2021
15	Mr.Libin	D2D Fresh	05.06.2021
16	Ms.Kalaivani	Nutrilabelling Solutions	30.04.2021
17	Mr. V.Prem	Minzcharge	29.05.2021
18	Mr. Ganesh	O ³ Foods	19.06.2021
Startups Launched in Incubation Phase			
1	Ms.S.Abirami	Greeniac	28.04.2021
2	Mr. V.Prem	Minzcharge	29.05.2021


Prof. Dr. T. Poongodi Vijayakumar,
 M.Sc., M.Phil., Ph.D., PGDCA,
 Professor and Head
 Department of Food Science and Nutrition
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Collaboration MoUs for Health Research



சுட்டி (6) தமிழ்நாடு TAMIL NADU 2020-
8228 Periyar University
26.10.18 Salem
P. Kolandaivel 58AB 283834
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உரிமம் எண்: 13/2011
ஒயர்லாஸ் (வ.) சேலம் (மா.வ.)

AGREEMENT

This Agreement is executed at Periyar University, Salem on 30.10.2018 (30th October 2018) by and between

Virbac Animal Health India Private Limited, a Company registered under the Companies Act, 1956 having its Registered Office at 604, 6th Floor, Western Edge-I, Western Express Highway, Magathane, Borivali (East), Mumbai 400066, bearing its Corporate Identification Number U24235MH2006PTC160701 and represented through its Vice President – Supply Chain, Mr. Manoj K. Roy (hereinafter referred to as “**VIRBAC**”, which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns) of the First Part;

AND

Periyar University, a prestigious research based University located at Periyar Palkalai Nagar, Salem -636 011 Tamil Nadu, through its Department of Microbiology, duly represented by the Vice-Chancellor of the University, Prof. Dr. P. Kolandaivel (hereinafter referred to as “**PU**”, which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns) of the Other Part;

For Virbac



13918
6.12.2019.
TAMILNADU
E.K.GIRIJA
SALEM.
BX 057742
ஜெ. வெங்கடகிருஷ்ணன்
மு.வி.உ. எண்: 3628/77
3நெ.கி.சா.ப.அ. சேலம்-1,
தமிழ்நாடு.

MEMORANDUM OF UNDERSTANDING
BETWEEN

Sibar Institute of Dental Sciences
Takkellapadu
Guntur
Andhra Pradesh
India 522 059.

Biomaterials Research Lab
Department of Physics
Periyar University
Salem
India 636 011.

This Memorandum of Understanding is renewed and executed on the 9th day of December 2020 by and between

The **SIBAR INSTITUTE OF DENTAL SCIENCES, GUNTUR, ANDHRA PRADESH, INDIA**, affiliated to Dr.NTR University of Health Sciences, Vijayawada established under the laws of the Government of Andhra Pradesh, and recognised by the Ministry of Health, Government of India (herein after referred to as "SIDS" or First Party) represented by its Dean, Dr. L. Krishna Prasad.

K. Thyagaraj
9.12.19
REGISTRAR I/C
PERIYAR UNIVERSITY
SALEM-636 011

[Signature]
DEAN



தமிழ்நாடு தமிழ்நாடு TAMILNADU

16 SEP 2020

The Director, ICMR-NIE CA 946770

Ch-77

சென்னை
5930/63-98-23
3857-B, அரங்கம் அபிவிருத்தி, செ-68

MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

PERIYAR UNIVERSITY, PERIYAR PALKALAI NAGAR,
SALEM-636011, TAMILNADU
AND

ICMR-NATIONAL INSTITUTE OF EPIDEMIOLOGY, SECOND MAIN ROAD,
TAMIL NADU HOUSING BOARD, AYAPAKKAM, NEAR AMBATTUR,
CHENNAI-600 077, TAMILNADU

This "Memorandum of Understanding" (Here-in-after referred to as "MOU") is made at Salem on this day 13.04.2020 (Thirteen, April, 2020, Monday) By & Between PERIYAR UNIVERSITY (PU) and ICMR-NATIONAL INSTITUTE OF EPIDEMIOLOGY.

PERIYAR UNIVERSITY (PU), is an Institution of Higher Learning and Research Government of Tamil Nadu established by the Salem on 17th September 1997 as per the provisions of the Periyar University Act, 1997, {Here-in-after referred to as "PU" which expression shall unless repugnant to the context or meaning hereof shall include its successor (s), administrator (s) or permitted assignee (s)} and being represented through its Authorized Signatory, The Registrar, the party of the FIRST PART.

P. Anand
Prof Dr. P. ANAND, M.Sc., M.Phil., Ph.D.
Professor & Head
Department of Nutrition & Dietetics
Periyar University
Salem - 62 - 011, TN.

K. Thyagaraj
REGISTRAR
PERIYAR UNIVERSITY
SALEM-636 011.

1 *Manoj*
डॉ. मनोज मुरहेकर
Dr. Manoj Murhekar
पिठा / Director

आई सी एच आर - राष्ट्रीय जनसंख्या व रोग विज्ञान संस्थान
ICMR - National Institute of Epidemiology
अय्यपक्कम, चेन्नई - 77 / Ayappakkam, Chennai - 77

Vasna Joshi
Dr. VASNA JOSHI, M.Sc., Ph.D.
SCIENTIST-C &
M.Sc Biostat. Course Co-ordinator
NATIONAL INSTITUTE OF EPIDEMIOLOGY (ICMR)
AYAPAKKAM, CHENNAI - 600 077.

B.Voc Course Approval Letter



डॉ. के. पी. सिंह
संयुक्त सचिव
Dr. K.P. Singh
Joint Secretary



विश्वविद्यालय अनुदान आयोग
University Grants Commission
(मानव संसाधन विकास मंत्रालय, भारत सरकार)
(Ministry of Human Resource Development, Govt. of India)
बहादुरशाह ज़फ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002
दूरभाष Phone : कार्यालय Off : 011-2323 9597
फैक्स Fax : 011-2323 6347, e-mail: kpsingh.ugc@nic.in

SPEED POST

D.O. No. F. 2-23/2015(B.Voc)

31 JUL 2015
August, 2015

Dear Sir/Madam,

Kindly refer to the proposal of your Institution to start B.Voc degree programme. In this connection, this is to inform you that based on the recommendation of Expert Committee, UGC has approved your proposal for starting B.Voc degree programme from the academic session 2015-16 in the specializations and as per the intake given below:-

Sl. No.	Specialization/Trade	Intake
1.	Textile and Apparel Design	50
2.	Food Science and Nutrition	50

Further, UGC has also approved a grants of Rs.1.70 Crore to the Institution for a period of three years for running the B.Voc degree programme as per the details given below:-

Capital Assets – 35 (Non-Recurring)		
Sl.No.	Budget Head	Amount (Rs. in lakh)
1.	Start-up Assistance	50.00

Grant-in-aid General -31 (Recurring)		
Sl.No.	Budget Head	Amount (Rs. in lakh)
1.	Visiting Faculty/Guest Faculty	30.00
2.	Operative Cost	30.00
3.	Faculty(On contract basis)	50.00

Grand Total Rs.1.70 Crore (Rupees One Crore and Seventy Lakhs only)

This approval is subject to the following terms and conditions:-

1. The Institution is recognized under Section 2(f) and 12(B) of the UGC Act.
2. The curriculum of the skill component of the programme is being developed by the concerned Sector Skill Councils. The Institution will adopt or adapt the curriculum in consultation with the industry partner. However, alignment of the skill components of the curriculum with the National Occupation Standards developed by the respective Sector Skill Councils will be ensured.
3. Monitoring/evaluation and updating of the curriculum will be done periodically in consultation with the concerned Sector Skill Council and the industry partner keeping in view their requirements and changes in the National Occupation Standards.




K. Thyab

REGISTRAR
PERIYAR UNIVERSITY
SALEM-636 011.

Faculty Lecture Series

Faculty Lecture Series 1 : Padma Bhushan Shri P.Balaram Former Director, Indian Institute of Science, Bengaluru



PERIYAR UNIVERSITY
(Reaccredited with 'A' Grade by the NAAC & 85th Rank in NIRF)
Periyar Palkalai Nagar, Salem – 636 011.

**Faculty Lecture Series programme
and Science Day Lecture**

Inaugural Function

Date: 01.03.2018 Time: 11.30 a.m.
Venue: Senate Hall, Periyar University

Welcome Address : **Prof. V. Krishnakumar**
Professor of Physics
Dean, Sciences
Periyar University

Presidential Address : **Prof. P. Kolandaivel**
Vice Chancellor
Periyar University

Inaugural and
Keynote Address : **Padma Bhushan Shri. P. Balaram**
Former Director
Indian Institute of Science, Bangalore
Professor
Molecular Biophysics Unit

Vote of Thanks : **Dr. M. Manivannan**
Registrar, Periyar University



Padma Bhushan, Prof. P.Balaram, Former Director, Indian Institute of Science, Bangalore, spoke on “Chemical Communication in Biology” on 01.03.2018. Prof. P.Kolandaivel presided over the inaugural lecture series. Prof. P.Balaram in his keynote address highlighted the nature and existence of chemical communication in biology. He pointed out the Biology and Chemistry have strong association with genetics and evolution. No material in the globe is free of chemicals. By profiling their chemical composition we come to understand nature. All the faculty across disciplines were able to appreciate and understand the unique inter-relationship between science disciplines.

Faculty Lecture Series 2 : Professor N.Sathyamurthy
Former Director, IISER, Mohali



The poster features the Periyar University logo at the top left, which includes the text 'PERIYAR UNIVERSITY (NAAC Accredited State University) Salem - 11, Tamil Nadu'. The main title is 'Faculty Lecture Series Programme Lecture - 2'. A pink banner below the title contains the date and time: 'Date: 25.04.2018, Time: 11.00 am' and the venue: 'Venue: Senate Hall, Periyar University'. The program details are listed below: Welcome Address by Prof. V. Natarajan (Professor and Head, Dept of Journalism and Mass Communication); Presidential Address by Prof. P. Kolandaivel (Vice Chancellor); Special Lecture by Prof. N. Sathyamurthy (Honorary Professor, JNCASR, Bengaluru; Former Dean, IIT, Kanpur; Former Director, IISER, Mohali); Topic: 'Institution Building: The Story of IISERs.'; and Vote of Thanks by Prof. V. Krishnakumar (Professor of Physics, Dean, Sciences).

Welcome Address : Prof. V. Natarajan
Professor and Head
Dept of Journalism and Mass Communication

Presidential Address : Prof. P. Kolandaivel
Vice Chancellor

Special Lecture : Prof. N. Sathyamurthy
Honorary Professor, JNCASR, Bengaluru
Former Dean, IIT, Kanpur
Former Director, IISER, Mohali

Topic : **Institution Building: The Story of IISERs.**

Vote of Thanks : Prof. V. Krishnakumar
Professor of Physics
Dean, Sciences



Prof. N.Satyamurthy, Honorary Professor - JNCASR Bengaluru, Former Director IISER, Mohali spoke on “Institution Building: The Story of IISERs” on 25.04.2018. Prof. P.Kolandaivel presided over the lecture series. All the teaching faculties across disciplines were able to have an idea of how Indian Institutes of Science, Education and Research took shape and the various struggles involved in building such institutions of international repute. He stressed the need for the institutional head to have sufficient freedom and autonomy to choose the best of the teachers in order to have quality output.

Faculty Lecture Series 3 : Professor G.Palanithurai Gandhigram Rural Institute, Dindigul



PERIYAR UNIVERSITY
(NAAC Accredited State University)
Salem – 636 011, Tamil Nadu

**Faculty Lecture Series Programme
Lecture - 3**

Date : 24.07.2018 Time: 11.00 am
Venue : Senate Hall, Periyar University

Welcome Address : **Prof. C. Venkatachalam**
*Professor & Head
Department of Sociology*

Presidential Address : **Prof. P. Kolandaivel**
Vice Chancellor

Topic : **Enhancing Professionalism in Higher
Learning Institutions**

Special Lecture : **Prof. G. Palanithurai**
*Department of Political Science and
Development Administration
The Gandhigram Rural Institute
(Deemed to be University)
Dindigul*

Vote of Thanks : **Dr. K. Jayaraman**
*Associate Professor and Head i/c
Department of Economics*



Prof. G.Palanithurai, Department of Political Science and Development Administration, Gandhigram Rural Institute, Dindigul spoke on “Enhancing Professionalism in Higher Learning Institutions” on 24.7.2018. Prof. P.Kolandaivel presided over the lecture series. Prof. G.Palanithurai emphasised on the importance of quality research, teaching and extension activities. He insisted on a dynamic work culture with research focused on demand and not on the supply.

Faculty Lecture Series 4 : Professor M.Chidambaram
Former Director, NIT, Tiruchirappalli

PERIYAR UNIVERSITY
Salem - 636 011, Tamil Nadu
NAAC Reaccredited A Grade - State University - NIRF Rank 90

FACULTY LECTURE SERIES PROGRAMME
LECTURE - 4

Date : 27.08.2018 Time : 11.45 am
Venue : Senate Hall

Welcome Address : **Dr. C. Selvaraj**
Professor and Head
Department of Mathematics
Periyar University

Presidential Address : **Prof. P. Kolandaivel**
Vice Chancellor
Periyar University

Special Lecture : **Prof. M. Chidambaram**
Former Director
National Institute of Technology, Tiruchirappalli
Former Professor, IIT Madras



Prof. M.Chidambaram, Former Director NIT Tiruchirappalli, spoke on developing a quality institution that requires bold decisions by the head and needs to have faith in the selections. The institution building is a tedious process which is both a combination of infrastructure and intellect. Prof. P.Kolandaivel presided over the lecture series. Prof. M.Chidambaram emphasised on the importance of quality teaching as the only way to mould a competitive student who could face the ever changing challenging environment.

Faculty Lecture Series 5 : Dr. Jayanthasri Balakrishnan
PSG College of Arts and Science, Coimbatore



PERIYAR UNIVERSITY
Salem – 636 011, Tamil Nadu
NAAC Reaccredited A Grade - State University - NIRF Rank 90

**FACULTY LECTURE SERIES
PROGRAMME
LECTURE - 5**

Date : 01.11.2018 | Time : 11.30 am | Venue : Senate Hall

Welcome Address : **Dr. T. Poongodi Vijayakumar**
Professor and Head
Department of Food Science and Nutrition
Periyar University
Salem

Special Lecture : **Dr. Jayanthasri Balakrishnan, Ph.D., Ph.D.,**
Associate Professor of English (Retd.)
PSG College of Arts and Science
Coimbatore

Topic : Educate to Evolve



Dr Jayanthasri Balakrishnan, Associate Professor, PSG College of Arts and Science, Coimbatore, spoke on “Educate to Evolve” on 01.11.2018. Prof. P.Kolandaivel presided over the lecture series. She appealed to the teachers to be perceptive and be keen while teaching to discern what goes in and what not inside a classroom.

Faculty Lecture Series 6 : Dr. T.V.Venkateswaran
Director, Vigyan Prasar, DST, New Delhi



PERIYAR UNIVERSITY
Salem – 636 011, Tamil Nadu
NAAC Reaccredited A Grade - State University - NIRF Rank 90

FACULTY LECTURE SERIES PROGRAMME
LECTURE – 6

Date 11.12.2018 **Time:** 11.00 am.

Venue Senate Hall

Welcome Address : **Dr. P. Perumal**
Professor and Head
Department of Biotechnology
Periyar University


Special Lecture : **Dr. T. V. Venkateswaran**
Director, Vigyan Prasar
National Institute for Science Communication
Department of Science and Technology
New Delhi

Topic : Popularising Science among Common Folks:
Roles and Responsibilities of a Teacher



Dr.T.Venkateswaran, Director Vigyan Prasar, New Delhi spoke on “Popularising Science among Folks: Roles and Responsibilities of a Teacher” Enhancing Professionalism in Higher Learning Institutions” on 11.12.2018. He added that all our knowledge is guided by our prejudice, quoting Richard Feynman the scientist who advocated organised skepticism as a via media. Information and knowledge are two different things and he sounded caution in the usage of these two terms. Prof. P.Kolandaivel presided over the lecture series.

Faculty Lecture Series 7 : Padmashri Ganesh Narayandas Devy
Shivaji University, Maharashtra



PERIYAR UNIVERSITY
Salem – 636 011, Tamil Nadu
NAAC Reaccredited A Grade - State University - NIRF Rank 90

FACULTY LECTURE SERIES PROGRAMME
LECTURE – 7

Date : 05.02.2019
Time : 03.00 pm.
Venue : Senate Hall

Welcome Address : **Prof. A. Muthusamy**
Controller of Examinations i/c

Special Lecture : **Padmashri Ganesh Narayandas Devy**
Sahitya Akademi Awardee
Formerly Professor of English
Shivaji University, Maharashtra

Topic : **Crisis within – Knowledge and Education in India**



Prof. G.N.Devy, Sahitya Akademi Awardee, delivered a lecture on “Crisis within – Knowledge and Education in India” on 05.02.2019. Prof. P.Kolandaivel presided over the lecture series. Tracing the history of language Prof.Devy stressed the evolution of human mind all along while tracing the development of language. He further continued that the new world order will not be divided between the rich and the poor or literate and illiterate but between those who know to control the digital machines and those who do not.

Faculty Lecture Series 8 : Hon'ble Justice K.Chandru Former Judge, Madras High Court



PERIYAR UNIVERSITY
Salem – 636 011, Tamil Nadu
NAAC Re-accredited A Grade - State University - NIRF Rank 90

LECTURE - 8 **FACULTY LECTURE SERIES PROGRAMME**

Date : 01.03.2019 | Time : 2.30 p.m. | Venue : Senate Hall

Welcome Address : **Prof. V. Krishnakumar**
Professor of Physics, *Dean*, CDC

Special Lecture : **Hon'ble Justice Mr. K. Chandru**
Former *Judge*, Madras High Court

Theme of the Lecture : **Higher Education at Cross Roads**



Honourable Justice Mr K.Chandru, Former Judge, Madras High Court spoke on “Higher Education at Crossroads” on 01.03.2019. He noted that there has been a systematic erosion of standards in educational institutions that lead to decay in social values. Truthfulness in teachers is becoming all the more necessary as unlettered parents with no formal education have placed immense values on teachers. Prof. P.Kolandaivel presided over the lecture series.

Faculty Lecture Series 9 : Professor B.P.Sanjay Founder Vice Chancellor, CUTN, Thiruvavur



PERIYAR UNIVERSITY
Salem – 636 011, Tamil Nadu
NAAC Re-accredited A Grade - State University - NIRF Rank 90

Faculty Lecture Series Programme
Lecture No : 9

Date : 19.03.2019 | Time : 11.00 a.m. | Venue : Senate Hall

Welcome Address : **Dr. S. Nandakumar**
Dean, Students' affairs
Professor
Department of Journalism and Mass Communication
Periyar University
Salem-11

Special Lecture : **Prof. B. P. Sanjay**
Founder Vice Chancellor, CUTN, Thiruvavur
Pro Vice Chancellor, University of Hyderabad
Professor, Department of Communication
Sarojini Naidu School of Arts & Communication
University of Hyderabad, Hyderabad

Theme of the Lecture : **Building, Nurturing Universities:
Issues and Challenges**



Prof. B.P.Sanjay, Founder Vice Chancellor CUTN, Thiruvavur, spoke on “Building Nurturing Universities: Issues and Challenges”. He spoke on focused research and the importance of critical and logical thinking in selecting of research area. Teaching should be knowledge based and not information based. Overall his talk motivated the faculties to do high quality research and teaching activity. Prof. P.Kolandaivel, presided over the lecture series.

Faculty Lecture Series 10 : Padma Bhushan Professor B.M.Hegde Former Vice Chancellor, Manipal University, Mangalore

PERIYAR UNIVERSITY
Salem – 636 011, Tamil Nadu
NAAC A Grade - State University - NIRF Rank 68

Faculty Lecture Series Programme
Lecture - 10

Date
29.07.2019

Time
2.45 p.m.

Venue
Senate Hall

Welcome Address : **Dr. P. Kumaradhas**
Professor & Head
Department of Physics

Special Lecture : **Padma Bhushan Prof. B. M. Hegde**
Former Vice Chancellor
Manipal University, Mangalore

Theme of the Lecture : **Recent trends in Teaching,
Learning and Research in the
Universities**



Prof. B.M.Hegde, Former Vice Chancellor, Manipal University, Mangalore, spoke on “Recent Trends in Teaching, Learning and Research in the Universities” on 29.07.2019. He insisted on the teacher’s role in building a wise society. Universities depend on their staff, who are the backbone of its development especially in preparing the next generation. If the teacher is good, University is good, if the teacher is bad it reflects on the University. Teachers must mould themselves in such a way that students emulate them, having them as their role model. Prof. P.Kolandaivel presided over the lecture series.

Faculty Lecture Series 11 : Dr. Sudha Seshayyan
Vice Chancellor, The Tamil Nadu Dr.M.G.R. Medical University, Chennai



Dr Sudha Seshayyan, Vice Chancellor, The Tamil Nadu Dr M.G.R. Medical University, Chennai delivered a lecture “Changing Parameters of Higher Education” on 22.11.2019. She emphasised that for improving the standards of higher education a teacher has to follow systematisation, experimentation, collaboration and abstraction. She insisted on a teacher being truthful, non corrupt, value based and transparent. Prof. P.Kolandaivel presided over the lecture series.

NIRF Certificate - Rank 83



ARIIA Certificate - Rank: 4



MIC



ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

Certificate of Achievement

This is to certify that

Periyar University, Salem

is ranked '4th' in category of 'Govt. and Govt. Aided Universities & Deemed to be Universities' in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2020 announced on 18th Aug 2020.

Dr. Anil D Sahasrabudhe
Chairman, AICTE

Sh. Amit Khare
Secretary (HE), MHRD

Dr. Abhay Jere
Chief Innovation Officer
MHRD's Innovation Cell