

## ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL – 637 002

(Re-Accredited with 'B' Grade by NAAC & Affiliated to Periyar University, Salem)

## **CRITERION III**

3. Research, Innovations and Extension

3.1 RESOURCE MOBILIZATION FOR RESEARCH

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)



#### ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL – 637 002

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#### Criterion III

- 3. Research, Innovations and Extension
- 3.1 Resource Mobilization for Research
- 3.1.1 Grants received from Government and non-governmental agencies for research projects/ endowments in the institution during the last five years (INR in Lakhs)

2021-2022	2020-2021	2019-2020	2018-2019	2017-2018
0.45	0.15	0.3	2.575	8.25

PRINCIPAL, Aringnar Anna Government Arts College, Namakkal - 637 001



## தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamilnadu)

Directorate of Technical Education Campus, Chennai – 600 025 Ph: 044-22301428, Telefax: 044-22301552 www.tanscst.nic.in

Dr.R.Srinivasan, M.Sc., Ph.D.,F.I.C.S., M.A.C.S.(USA)., Member Secretary

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To The Principal Arignar Anna Government Arts College Namakkal-637002

Sir/Madam,

Sub: TNSCST - Student Project Scheme (2021-2022) - approval intimation-grant release- reg.

With respect to the above scheme, the list of projects approved by the State Council is enclosed along with terms and conditions. You are requested to adhere to terms and conditions such as submission of UC and seminar paper in time.

Herewith enclosed the cheque for the approved grant and disburse the grant to the concerned students through the guides at the earliest.

Kindly send the utilisation certificate (format enclosed) and seminar paper (Ref.T&C-No.5&6) on completion of the project.

Thanking you,

Yours faithfully,

Member Secretary.

Encl. a) Terms & Conditions (T&C)

b) Format of Utilisation Certificate (UC)

c) Cheque for Rs. 45,000/- No:207085 dt: 11.03.2022

Copy to: The individual guides

	3	Dr.S.Bangaru   Associate Professor and	Using variable range of Sonic and ultrasonic	Farjana.M, Sivasakthi.M	AS-049	The Principal	1500/-	
		Head of the department, PG and Research	sounds in agricultural growth		502			
	100	Department of Physics		ı				
-	1663	Arts College,				78		
¥	6	Namakkal-637002	Robrigation of electrodes	Rhorothirei M	DQ-100	The Princinal	75007-	
2		Assistant Professor. PG and	for supercapacitor	Durga.R.	o contraction of the contraction	mdiamir ani	7000	
		Research Department of	applications	Gopikrishna.D,				
£	•	Physics, Arignar Anna		Karpagam.M				
	4	Government Arts College Namakkal-637002						
n		Dr.P.Sekar	Antimicrobial activity of	K.Dharunkumar	BS-966	The Principal	7500/-	
		Assistant professor, Dept.	the haemolymph of the			(	,	
		of Zoology, Arignar Anna	fresh water crab				-	
		Government Arts College	Potamonautes sidneyi		-			
,		Namakkal-637 UUZ		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	700			
4.		Dr.M.Kajasekara Pandian	Larvicidal activity of	K.Nithish	ES-470	The Principal	-/000/	
		Assistant Professor,	Flumeria alba latex					
	- A.I	Department of 20010gy	aqueous extract against					
		Angnar Anna Government	three mosquito vectors					
		Arts College,						
		Namakkal-637002						
No.		Dr.D.Sasikumar	Low Cost Efficient Process	P.Vinitha,	PS-077	The Principal	7500/-	
>	7	Assistant Professor,	of Waste Water Treatment	M.Banupiriya,				
* 13	<u>- 1</u>	Department of Physics	using Variety of Charcoal	E.Gopi				
	7	Arignar Anna Government	Composition from Natural					
	4 2	Arts College,	Materials					
2	1 =	,	Non - linear b/a	Gokul Raja.T,	PS-036	The Principal	7500/-	
5	<b>₩</b>	ssor.	parameter studies on	Kavinkumar.R,			ď	
	Д		selected binary mixture of	Thamarai Selvaa.R	N <sub>os</sub>			
	Ω	. 3	butanol azeotropes.	Gayathri.S				
	A	Arignar Anna Government						
	Ą	Arts College					-12	
	Z	Namakkal-637002						
8	V.							33

# TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY DOTE Campus Chennai - 600 025

## STUDENT PROJECT SCHEME 2021-2022 UTILISATION CERTIFICATE

#### (TWO COPIES)

	(1,440,55)	· And Colonial		1 0 0
1. Name of the guide and ad	dress: Dy.S.	Bangaru, M.	Sc., M.Pl	111, Phop.)
	Associ	ate profes	ion 9 He	ead
	PGI 9	Research :	Departmo	ead int of Physic
2. Name of the student(s)	: Anignar	Anna govt	Arts co	illage i Namak
9	1. M. For	ang		
	2.M. Siv			
3. Title of the project			range of	some an
	using	G G		0 111
	ultraso	nic Loune	ils un A	gricultural
4 Project code	plant	growth		

AS -049

It is certified that a sum of Rs. 7500 (Rupees seven ) Sanctioned by the council for carrying out above mentioned student project has been utilized for the purpose for which it was sanctioned and sum of Rs. Ni) \_\_\_\_\_\_\_remaining unutilized is refunded.

Signalure of the guide

Signature of the FOD

Signature of the 17 22
REGISTRAR/PRINCIPAL/DEAN

Dr.S. BANGARU, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2. Tamil Nadu.

Dr.S. BANGARU, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2. Tamil Nadu.

PRINCIPAL
Aringnar Anna Government
Arts College,
Namakkal - 637 002.
D.O. Code: CI-103.

## TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY DOTE Campus, Chennai-600025

## STUDENT PROJECTS SCHEME 2021-2022 UTILISATION CERTIFICATE

#### (TWO COPIES)

1. Name of the guide and address : DI-R-GOEL M.SC., M.Phil, Philipp

Assistant professor Pol Si Research Department of Physics Arignor Aprice Government Die Collage

Danzekeal - 2

2. Name of the student(s)

1. Exprositively M

2. GOPKEICHNA D

Title of the Project

: FABRICATION OF ELECTRODES FOR

SUPERCAPACITOR APPLICATIONS

Project code

PS-19D

Seven thousand and Five hundre It is certified that a sum of Rs......(Rupees......) Sanctioned by the council for carrying out above mentioned student project has been utilized for the sanctioned Rs. and sum of which was for purpose ...remaining unutilized is refunded.

Signature of the

REGISTRAR/PRINCIPAL/DEAN

Dr. R. GOBI, M.Sc., B.Ed., M.Phil., Ph.D., Dr. S. BANGARU, M.Sc., M.Phil., Ph.D., Assistant Professor of Physics Arignar Anna Government Arts 3. .....

Namakkal -637 002 Tamilnaus

Associate Arofessor & Head,

With SEAL

Post Graduate & Research Department PG & Research Department of Physics, Arignar Anna Govt. Arts College, Aringnar Anna Government Namakkal-2. Tamil Nadu.

PRINCIPAL Arts College.

Namakkal - 637 002. D.O. Code . CI-1031

## TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY DOTE Campus Chennal - 600 025

## STUDENT PROJECT SCHEME 2021-2022 UTILISATION CERTIFICATE

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1.	Name of the	guide and address	DA.	D. 3.10	ot	Jah y SI	45
		~	-ASS	: projector	nict	ANIS	college

Arignar Anna CLOVI Ar Namakkal - 63-1002

2. Name of the student(s)

M Banypriya p. vinitha

3. Title of the project

"Low cost Efficient processor waste water treatment wing variety of

charcoal composition from Natural

4 Project code. materials".

PS -077

It is certified that a sum of Rs 1500 /-(Rupees Seven + howard pive Hundred) Sanctioned by the council for carrying out above mentioned student project has been utilized for the and sanctioned which was purpose .....remaining unutilized is refunded.

Signature of the guide

Dr. D. SASIKUMAR,

Assistant Professor PG & Research Department of Physics, Arignar Anna Govt. Arts College, Namakkal - 637 002, Tamilnadu.

Signature of the

REGISTRAR/PRINCIPAL/DEAN

Dr.S. BANGARU, M.Sc., M. Phil., Ph.D., Associate Professor & Head, PG & Research Department of Physics, Arignar Anna Govt. Arts College, Namakkal-2, Tamil Nadu,

Aringnar Anna Government Arts College. Namakkal = 637 002. D.O. Code : Cl 103.

## TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY DOTE Campus. Chennai-600025

## STUDENT PROJECTS SCHEME 2021-2022 UTILISATION CERTIFICATE

#### (TWO COPIES)

1. Name of the guide and address : Dr. V. Velusany, disistant Professor,

PG and Research Separtment of Physics, Arignar Anna Govt Arts vollege, Namakkal -637002.

Name of the student(s)

Crokul Raja. T Kavin kuman R Thamarai delvaa. R Crayathri +s.

3. Title of the Project

: Non-Linear 3/n Parameter studies on selected Rinary minture of butanol apeobiones.

4. Project code

: PS-036

exeven Thousand Five hundred)

It is certified that a sum of Rs.7500/. (Rupees......) Sanctioned by the council for carrying out above mentioned student project has been utilized for the it was sanctioned and Rs. (NIL) which sum for purpose 

Signature of the

Dr. V. VELUSAMY

Dr.S. BANGARU, M.Sc., M.Phil., Ph.D., Associate Professor & Head,

PRINCIPAL

Assistant Professor PG & Research Department of Physics PG & Research Department of Physics Arignar Anna Govt. Arts College Namakkal - 637 002, Tamilnadu.

Arignar Anna Govt, Arts College, Aringnar Anna Government Namakkal-2, Tamil Nadu,

Arts College. Namakkal - 637 002.

D.O. Code : Cl-103.

#### UTILIZATION CERTIFICATE

1. Project approval No. and Date: DC.No.2027/2020 A, Dated.31.12.2020

2. Name of the project: TANCHE Students Project

3. Title of the project/Scheme: Host dependant sporulation and species diversity of

ArbuscularMycorrhizal Fungi(AMF) in a medicinal plants at Vathal hills, Dharmapuri district,

EasternGhat, Tamilnadu, India.

4. Name of the student: K. Sasikala

5. Name of the Guide: Dr.K.Palanisamy

6. Name of the Organization: Arignar Anna Govt. Arts College, Namakkal-2

7. Approval fund amount: Rs.15000

8. Amount received details: Not Received

9. Actual expenditure: Rs.15000

10. Unspent balance: Nil

Nil 11. Balance amount:

Certified that the expenditure of Rs.15000 (Rupees Fifteen Thousand) mentioned against Sl.No.9 was actually incurred on the project/scheme for the purpose for which it was sanctioned and that the balance amount of Rs.0 is available as on 31.03.2021.

Signature of the student

Signature Dr. K. PALANISAMY, M.Sc., M.Phil., Ph.D.,

Asst. Prof. Department of Botany. Arignar Anna Govt. Arts College,

Namakkal - 637 002,

K. VASANTHAMANI, MSE MPHIL H. O. B. OF BOTANY. A. A. G. ARTS COLLEGE. NAMAKKAL - 637 002.

Signature BLH

Aringnar Anna Government Arts College,

Namakkal - 637 002. D.O. Code : CI-103.



Phone Off: (044) 2844 5570 / 2844 6486 / 2844 5974

Fax : (044) 2844 6486

## TAMILNADU STATE COUNCIL FOR HIGHER EDUCATION

Lady Willingdon College Campus, Kamarajar Salai, Chennai - 600 005.

TMT. G. INDIRA, ACCOUNTS OFFICER

Rc.No.1410/B/2018

Date 05.03.2019

To The Principal, Arignar Anna Government Arts College, Namakkal - 637 002.

Sir/Madam,

Sub:

Financial Assistance to "Minor Research Project" scheme for Teachers of Government Arts and Science College in Tamil Nadu 2016-2017 (Final

Instalment) - Rs.50,000/- for each Project - Demand Draft sent - Regarding.

Ref:

Member Secretary, Tamil Nadu State Council for Higher Education

Proc.No.1410/B/2018 dated 20-02-2019.

I send herewith Demand Draft No. 126180318 dt.26.02.2019 for Rs.50,000/-(Rupees Fifty thousand only) in favour of The Principal, Arignar Anna Government Arts College, Namakkal - 637 002 towards the "Financial Assistance to Mine Researc! Project Scheme" for the year 2016-17 (final instalment) in respect of following teacher:

Name of the College	Teachers Name	Title of the project	Sanctioned Amount (Rs.)
The Principal Arignar Anna Government Arts College, Namakkal - 637 002	Dr. P. Sivakumar Assistant Professor, Department of Chemistry, Arignar Anna Covernment Arts College, Namakkal - 637 002	"Synthesis and Application of Inner Transition Metal Loaded Nano Carbon Sphere/Titania Composite with Enhanced Election Transfer Properties"	50,000/-

Kindly arrange to send stamped receipt for the above amount.

Yours faithfully,

Encl.: DD No. 126180318 dt.26.02.2019

Copy to V

Dr. P. Sivakumar, Assistant Professor, Department of Chemistry, Arignar Anna Government Arts College, Namakkal - 637 002.

bsite: www.tnuniv.ac.in

nail: tansche\_edu@yahoo.co.in

#### UTILIZATION CERTIFICATE

1. Project approval No. and date : D.O.RC.No.835/2019 A; dt. 20-11-2019

: TANCHE Students Project 2. Name of the project

: The effects of salinity on growth and 3. Title of the Project/Scheme

survival of GIFT tilapia

: M.Panneer Selvam 4. Name of the student

: Dr. N. Nagarathinam 5. Name of the Guide

: Arignar Anna Govt. Arts College, 6. Name of the Organization

Namakkal - 637002

: Rs.15,000 7. Approval fund amount

Amount received details : Not received

9. Actual expenditure : Rs.15,000

10.Unspent balance · Nil Balance amount : Nil

Certified that the expenditure of Rs.15,000 (Rupees Fifteen thousand) mentioned against Sl. No. 9 was actually incurred on the Project/Scheme for the purpose for which it was sanctioned and that the balance amount of Rs.0 is available as on 19.03.2021.

(Signature of the student)

Pauman-

N. Nogarathinam (Signature of Guide)

(Signature of HOD)

Department of Zoology,

N. Nagarathinas

A.A. Govt. Arts College, Namakkal-637 001. Tamilnadu.

Aringnar Anna Government Arts College, Namakkal - 637 002.

D.O. Code : CI-103.

## Final Technical Report, Statement of expenditure and Utilization Certificate of Funds Received

## FOR

Minor Research Project

UGC approval Letter No. and Date: MRP-6449/16 (SERO/UGC) Dt. 30.06.2017

Period of report: Aug. 2017 to July 2019

### **Project Title:**

Novel Synthesis of Catalyst Immobilized Carbon Nano spheres with Enhanced Electron Transfer properties for Photoctalytic Applications

#### Submitted by:

Dr. P. Sivakumar (Principal Investigator)

Department of Chemistry

Arignar Anna Government Arts College

Namakkal, Tamilnadu – 637 002.

#### Submitted to:

Joint Secretary

UGC: South-Eastern Regional Office, PB No.152 A.P.S.F.C. Building-IV<sup>th</sup> Floor -5-9-194 Chirag Ali Lane, Hyderabad – 500001.

## UNIVERSITY GRANTS COMMISSION BAHADUR SHAH ZAFAR MARG NEW DELHI - 110 002 STATEMENT OF EXPENDITURE IN RESPECT OF MINOR RESEARCH **PROJECT**

1. Name of Principal Investigator

: Dr. P. Sivakumar

2. Dept. of PI

: Department of Chemistry

Name of College

: Arignar Anna Government Arts College

Namakkal - 637 002.

3. UGC approval Letter No. and Date : MRP-6449/16 (SERO/UGC) 30.06.2017

4. Title of the Research Project

: Novel Synthesis of Catalyst Immobilized

Carbon Nano spheres with Enhanced

Electron Transfer properties for

Photoctalytic Applications

5. Effective date of starting the project

: August 2017

6. a. Period of Expenditure b. Details of Expenditure

: From August 2017 to July 2019

Expendi Incurre (Rs.)	Total Amount Received (Rs.)	Amount Received in 2nd Instalment (Rs.)	Amount Received in 1 <sup>st</sup> Instalment (Rs.)	Item	S.No.
10,00	10,000.00	Nil	10,000.00	Books & Journals	<u>i.</u>
-0,00	1,50,000.00	Nil	1,50,000.00	Equipment	ii.
-,,,,,,,	9,000.00	4,000.00	5,000.00	Contingency including special needs	iii.
il	Nil	Nil	Nil	Field Work/Travel (Give details in the proforma).	iv.
:1	Nil	Nil	Nil	Hiring Services	V.
	76,000.00	36,000.00	40,000.00	Chemicals & Glassware	vi.
0	1837.00	293.00	1544.00	Interest earned	vii.
	2,46,837.00	40,293.00	2,06,544.00	Total Rs.	

- 7. If as a result of check or audit objection some irregularly is noticed at later date, action will be taken to refund, adjust or regularize the objected amounts.
- 8. It is certified that the grant of Rs. 2,46,837.00 (Rupees Two lakh Fourty six thousand eight hundred and thirty seven only) received from the University Grants Commission (Including the interest earned) under the scheme of support for Minor Research Project entitled Novel Synthesis of Catalyst Immobilized Carbon Nano spheres with Enhanced Electron Transfer properties for Photoctalytic Applications vide UGC letter No. F. MRP-6449/16 (SERO/UGC) dated 30.06.2017 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University Grants Commission.

PRINCIPAL INVESTIGATOR

(Seal)

PRINCIPAL Aringnar Anna Government Arts College Namakkal-637 001.

For RAVI SANKARA & ASSOCIATES

Chartered Accountants

Proprietor- CAS RAVI B Sc FLA M No.222240 Firm Reg No 012282S

STATUTORY AUDITOR (Seal)

UDIN: 192222 40 AAAA

Mobile: 94432 13887

Email: egwesely@yahoo.com

## ARIGNAR ANNA GOVERNMENT ARTS COLLEGE

(NAAC accredited with "B" Grade) Namakkal - 637 002, Tamil Nadu, India

#### DEPARTMENT OF BOTANY

Date: 24.09.2018

Dr.E.G.Wesely, Ph.D., Assistant Professor in Botany

Through: The Principal

To

Dr. C.S. Ravikumar,

Coordinator (Lecture Workshop and Refresher Courses)

Indian Academy of Sciences,

P.B.No. 8005, C.V. Raman Avenue,

Sadashivanagar PO,

Bangalore - 560 080.

Respected Sir,

Sub: Arignar Anna Government Arts College, Namakkal - Science Academies'

Sponsored Lecture Workshop entitled 'Recent Trends in Biological Sciences' -

Workshop Report - Utilization Certificate - furnished - Reg.

Ref: Letter No. SEP/LW/August 2018 Dt.,06 August 2018.

Greetings. I am here with submitting the following documents in connection with the expenditure incurred from the Indian National Science Academy for conducting Lecture Workshop on 'Recent Trends in Biological Sciences' for you and perusal and consideration. Kindly send me the balance amount Rs. 33339/- (Rupees Thirty three thousand three hundred and thirty nine only).

1. A brief report of the Workshop. 1913, 2017 11

2. Time table of the workshop.

3. Participants Names and College / Institutions Names.

4. Statement of Receipts and Payments duly signed by Principal/Bursar.

5. Detailed statement of Accounts along with copies of Vouchers / Bills.

6. Photographs with caption.

Thanking you

B. Voscht 24/9/U

Aringnar Anna Government

Arts College

Namakkal-637 001

Yours sincerely,

E.G. Wesely

DR. E.G. WESELY, M.Sc., Ph.D.,
Assistant Professor
Department of Botany
Arignar Anna Govt. Arts College
Namakkal - 637 002. Tamilnadu.

## Report on Science academies Sponsored







## LECTURE WORKSHOP ON "RECENT TRENDS IN BIOLOGICAL SCIENCES"

30th & 31st August 2018



Organized By

DEPARTMENT OF BOTANY
ARIGNAR ANNA GOVERNMENT ARTS COLLEGE
(Reaccredited with "B" Grade by the NAAC)
NAMAKKAL - 637 002, TAMIL NADU.

## Co-ordinator

Dr. E.G.WESELY,

Assistant Professor in Botany
Arignar Anna Government Arts College,
Namakkal - 637 002, Tamil Nadu.
E-mail - egwesely@yahoo.com
9443213887

## TIME TABLE OF THE WORKSHOP

# SCIENCE ACADEMIES' LECTURE WORKSHOP ON "RECENT TRENDS IN BIOLOGICAL SCIENCES"

Time	Resource Persons	Title
10.00 am - 11.15 pm	Dr.D.J.BAGYARAJ	Microorganisms for Human Welfare
	Tea	
11.30 pm - 12.45 pm	Dr.R.R. RAO	Herbarium - Concept Function Problems of Management
	Lunch	
1.45 pm - 3.00 pm	Dr. B. MEENA	Biological Control Ar Over View
3.00 pm - 4.15 pm	Prof. K.R.SHIVANNA	Multidimensional role of pollen grains, the male gametophytes of seed plants.
	Tea	
	DAY - 01 (31.08.2018)	
9.45 am - 11.00 am	Dr. B. MEENA	Recent Advances in Medicinal Plants
	Tea	
11.15 am - 12.30 pm	Dr.R.R. RAO	Herbarium - Preparation
	Lunch	
1.30 pm - 2.45 pm	Dr.D.J.BAGYARAJ	Mycorrhizal Symbiosi
2.45 pm - 4.00 pm	Prof. K.R.SHIVANNA	How do flowering plants select suitable pollen grains for fertilization?

# ARIGNAR ANNA GOVERNMENT ARTS COLLEGE

(NAAC accredited with "B" Grade)
Namakkal – 637 002, Tamil Nadu, India

www.aagacnkledu.in
Phone No.: 04286 - 266323

Date: 24.08.2018

#### **UTILIZATION CERTIFICATE**

This is to certify that a sum of Rs. 143500/- (Rupees One lakh forty three thousand and five hundred only) sanctioned by Science Academies' Bengaluru, for organizing Science Academies' Sponsored and Supported Lectures Workshop on 'Recent Trends in Biological Science at Arignar Anna Government Arts College, Namakkal from 30.08.2018 to 31.08.2018. The sum of Rs. 140964/- (Rupees One lakh forty thousand nine hundred and sixty four only) has been utilized for the purpose of the above said Science Academies' Sponsored and Supported Lecture Workshop organized by Department of Botany, Arignar Anna Government Arts College, Namakkal.

००३) जा है जारापा

அறிஞர் அண்ணா
This utilization certificate பிர்க்கல்.

PRINCIPAL Aringnar Anna Government

Arts College Namakkal-637 001. ARIGNAR ANNA GOVT. ARTS OF LEGE,

# Science academies Sponsored







## LECTURE WORKSHOP ON "RECENT TRENDS IN BIOLOGICAL SCIENCES"

30th & 31st August 2018



Organized by

#### DEPARTMENT OF BOTANY ARIGNAR ANNA GOVERNMENT ARTS COLLEGE

(Reaccredited with "B" Grade by the NAAC) NAMAKKAL - 637 002, TAMIL NADU.

www.aagacnkl.edu.in

#### Overall Statement of Expenditure

S. No.	Budget Head	Amount Sanctioned (Rs.)	Amount Spent (Rs.)	Un Spent Amount (Rs.)	Over Expenditure (Rs.)	
110.		A	В	A-B	B-A	
1.	Travel Expenses	25000	21014	3986		
2.	Lodging	10000	10872		872	
3.	Working Lunch /Tea Participants	60000	60010		10	
4.	Honorarium	22500	22500			
5.	Other items	26000	26568		568	
	Total	143500	140964	3986	1450	
Overall Expenses						
Ama	unt Received First Installme	ent			107625	
Bala	nce Amount Expecting fro	m Academy			33339	

Aringnar Anna Government Arts College Namakkal-637 001.

ARIGNAR ANNA GOVT. ARTS COPLEGE, NAMARKAL.

CSELY, M.Sc., Ph.D., ant Professor artment of Botany Arignar Anna Govt. Arts College Namakkal - 637 002. Tamilnadt.

## 1. A BRIEF REPORT OF WORKSHOP

More than 150 Students of various disciplines in Biological Sciences were participated and benefited the Science Academies workshop.

The science academies lecture workshop on 'Recent Trends in Biological Sciences, organized by Department of Botany today and yesterday with the financial assistance of

- Indian Academy of Sciences, Bangalore.
- National Academy of Science, Allahabad.
- The Indian National Science Academy, New Delhi.
  We extremely thank the academies for their valuable support to conduct this type of lecture workshop in our college, Premises.

## Day - 1 30th August, 2018

The inaugural function starts exactly at 10.15am with invocation and lighting the lamp. Dr. G.Subramanian, Assistant Professor in Botany introduced the three fellow members of academies.

# Lecture I: Microorganisms and Human Welfare by Dr. D.J.Bagyaraj.

NASI - Senior Scientist, Chairman, and communing development .

Bangalore. In this lecture covered the topics microbes in Agriculture, Biofertilizer, BGA, Arbuscular mycorrlizal fungi, VAM, Decomposers, microbar and food, aquaculture microbes in food industry, Biotechnology, Biodiversity.

## Lecture II : Dr. R. R.Rao

INSA - Honory Scientist, Delivered an wonderful lecture on 'Our Biodiversity - Our Heritage India, a major gemtic estate for floristic diversity emerging challenges for bioprospection and product development. Prof. Rao covered the topics such as Biodiversity of plant kingdom, significance of Biodiversity, New Taxa and Records, vegetation types, floras of Himalayas, Eastern Himalaya, North east India, Orchid diversity, wild genetic resources sacred groves, Biologically curious plants, western Ghats, Nutritious, wild aromatic plants, monotypic and endemic taxa of eastern Ghats, Deccan flora, Magness Biodiversity of prospecting, Ethnobotany and Biopospectiving.

#### Lecture - III : K.R. Shivanna

Ashoka Trust for Research in Ecology and the Environment, Bangaluru.

About the pollengrains, functions, pollination, pollen fertility and sterility, nor reproductive functions of pollengrains, forensic palynogoly applications of
pollengrains.

#### Lecture - IV : Dr.R.R.Rao

Concept functions and making of herbarium. Professor delivered a wonderful lecture on importance of biodiversity, Ecosystem services Economic potential of biodiversity, Herbarium, Methods of plant collection for herbarium. Professor explained an elaborate method of plant collection, preservation and preparation of herbarium. We travelled all India level though his talk.

## Day 2 - 31st August, 2018

## Lecture - V : Dr. Shivanna

Dr. Shivanna delivered an excellent lecture on pollination and its types.

Professor delivered the mechanism of pollination in a nice way. He explained the evolution of gametophyte and sporophyte.

## Lecture - VI : Dr. B. Meena

Dr. B. Meena, Assistant Professor, Plant Pathology, TNAU, Coimbature, Biocontrol an overview Research station, Virudhachalam.

Types of disease Biotic, abiotic factors, disease spreading mechanism, pathogenic organisms, viral symptoms, microbes used as biocontrol agents, different kinds of mechanism of biocontrol agents, Antagonisms, PGPRS.

## Lecture VII: Dr. D.J.Bagyaraj.

Arbuscular myconhizal fungi Dr. J Bagyaraj, Professor delivered AM Fungi, isolation diversity significance of AM fungi in agriculture.

## Lecture - VIII : Dr. B. Meena

Medicinal plants pathology, products, significance medicinal values, Aromtic plants.

#### Feedback

- 1. Mrs. A. Hannah Selvakumari. Guest Lecturer in Botany, Government Arts College for Women, Salem - 8 - The lecture about microbes was highly
- 2. Mr. P. Mugesh, III, B.Sc., Zoology, Muthuyammal College of Arts and Science, Rasipuram - Clarified all doubts in Herbarium.
- 3. Ms. P.Durgadevei, III, B.Sc., Nutrition and Dietics, NKR Government Arts College for Women, Namakkal - Learned pollen grains features.
- 4. Ms. v. Sivappumalli, II, M.Sc., Botany, Adhiyaman Arts and Science College for Women, Uthangarai - Gained lot of information in medicinal plants.

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\$	DEPARTMENT OF BO	TANY, ARIGNAR ANNA GOVI	ERNMENT ARTS COLLEGE, NAMA	KKAL-03/ 002	SIGNATURE OF
S.NO	NAME OF THE PARTICIPANTS	ADDRESS FOR COMMUNICATION	E-MAIL ID	CONTACT NUMBER	THE PARTICIPANT
l.	Mrs.JAYASHREE.M	Assistant Professor in Botany, Sri Sarada College for Women (Autonomous) Salem	ginivi@yahoo.com	9244643315	Maj
2.	DR.UMAMAHESWARI.P	Head & Associate Professor in Botany, Sri Sarada College for Women(Autonomous) Salem	umaheadbot@gmail.com	9487578152	themp
3.	Mrs.UMAMAHESWARI.B	Assistant Professor in Botany, Sri Sarada College for Women(Autonomous) Salem	umabot@yahoo.com	9486090932	1. Sunallaharwa al
4.	DR.SHRIDEVI.S.D.K.	Assistant Professor in Botany, Sri Sarada College for Women(Autonomous) Salem	saishri28@yahoo.com	9842697203	- Anut - Marin
5.	DR.VASUGI.M	Assistant Professor in Botany, Govt.Arts College for Women Salem-8			M. Vago 18
6	Mrs.HANNAH SELVAKUMARI.A	Guest Lecturer in Botany Govt.Arts College for Women, Salem	hannahphd2016@yahoo.com	9629080707	A. NEV
7.	MRS.SUNDARI.T	Assistant Professor in Chemistry, K.S.R.College of Engineering, Tiruchengode	sundari.thirumalaisamy@gmail.com	9486824081	tu
8.	DR.DEEPA.M	Assistant Professor in Zoology Vivekanandha Arts and Science College for Women,	kpalanisamymsc@gmail.com	9442967870	Deip



## A NATIONAL LEVEL SCIENCE ACADEMIES LECTURE WORKSHOP ON "RECENT TRENDS IN BIOLOGICAL SCIENCES" (RTBS-2018)

30<sup>TH</sup> &31<sup>ST</sup> AUGUST 2018

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1		Tiruchengode			
9.	DR.SUMATHI.M	Guest Lecturer in Botany NKR Govt Arts College for Women Namakkal	sumohema3@gmail.com	9500529356	Moumenthi
10.	DR. THAMAYANTHI. K	Guest Lecturer in Botany NKR Govt Arts College for Women Namakkal	thamayaganapathy@gmail.com	9443073278	artiful
11.	MRS.LALITHA.N	Guest Lecturer in Botany NKR Govt Arts College for Women Namakkal			Nobilta
12.	MRS.SASIKALA.T	Guest Lecturer in Botany NKR Govt Arts College for Women Namakkal		9994204355	rend
13.	DR.SURESHKUMAR.M	Head, Department of Zoology, Muthayammal College of Arts and Science, Rasipuram	chlorosuresh@gmail.com	9442228622	Mones
بلحا	DR.KALAIARASAN.A	Assistant Professor in Botany, Padmavani Arts and Science college for women, Salem	myla_kalai@yahoo.com	7092153646	8 K Minting
15	DR.KALAIARASI.K	Assistant Professor in Biotechnology, Padmavani Arts and Science college for women, Salem	kalaiarasikalamegam@gmail.com	9486039220	L. Kalaisear
16.	DR.ANABARASAN.K	Assistant Professor & Head in Botany, Padmavani Arts and Science college for women, Salem	anbu.bot@gmail.com	9787531646	da

#### A NATIONAL LEVEL SCIENCE ACADEMIES LECTURE WORKSHOP ON "RECENT TRENDS IN BIOLOGICAL SCIENCES" (RTBS-2018)

ORGANISED BY

DEPARTMENT OF BOTANY, ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL-637 002 TAMIL NADU V. Karthita A 8838939164 vkarthikamphil@gmail.com MS.KARTHIKADEVI ,\ Assistant Professor in Botany, Padmavani Arts and Science college for women, Salem 9047007916 balakal78@gmail.com 18. Dr.BALAMURUGAN.V Head, Department of Biotechnology, Sri Vinayaga College of Arts and Science, Ulundurpet 9791622846 Assistant Professor in revathi.k06@gmail.com 19. DR.REVATHI.K Biotechnology Shri Sakthikailassh Women's College, Salem 9944166211 vanidreams@gmail.com Assistant Professor in 20. MS.KALAIVANI.S Biochemistry Shri Sakthikailassh Women's College, Salem 9488061705 21. DR.KADIRVELMURUGAN. Assistant Professor in Botany, v.kathirvelmurugan@gmail.com Padmayani Arts and Science college for women, Salem madhiyazhaganpari@yahoo.com Assistant Professor in Zoology, DR.MADHIYAZHAGAN.P JKKN College of Arts and Science, Komarapalavam Assistant Professor in Botany, MR.UTHAYAKUMAR.N udhaynkumare 700 ymilcom 909003506 JKKN College of Arts and Science, Komarapalayam AND THE PROPERTY OF THE PROPER THE PROPERTY OF THE PARTY OF TH vasanthamanik@gmail.com 9715814719 Associate Professor & Head 24. Mrs. VASANTHAMANI.K Botany AAGAC, Namakkal Associate Professor in Botany praaneshar @gmail.com 9486047788 DR.RAJESWARI.M AAGAC, Namakkal gsbotany@yahoo.com 9943690123 Assistant Professor in Botany 26. DR.SUBRAMANIAN.G



## ORGANISED BY DEPARTMENT OF BOTANY, ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL-637 002 TAMIL NADU

		AAGAC, Namakkal			,
27.	DR. PARVATHI. K	Assistant Professor in Botany AAGAC, Namakkal	parvathigunasekar@gmail.com	9655740036	1.7-2
28.	DR. WESELY. E.G.	Assistant Professor in Botany AAGAC, Namakkal	egwesely@yahoo.com	9443213887	agus
29.	Mr.SUBRAMANIYAM. P	Assistant Professor in Botany AAGAC, Namakkal	psmanibot@gmail.com	9486340039	Posce
30.	Mr.RAJAVEL.S	Assistant Professor in Botany AAGAC, Namakkal	srvel16@gmail.com	7010089505	S. Pur
31.	DR.SENGOTTUVEL R	Assistant Professor in Botany AAGAC, Namakkal	kavinseng@gmail.com	9443189139	Rech
32.	DR.ARUNPRAKASH.S	Assistant Professor in Botany AAGAC, Namakkal	arunbot2003@rediffmail.com	7010079359	88
33.	DR.BALAKRISHNAN.V	Assistant Professor in Botany AAGAC, Namakkal	palanivbalu@gmail.com	9486485421	asturnije
34.	Mr.M.KALUSALINGAM	Assistant Professor in Botany AAGAC, Namakkal	mkalusan@gmail.com	9566467857	PX.
35.	DR.CHANDRASEKAR.M	Assistant Professor in Botany AAGAC, Namakkal	chandruphd@yahoo.co.in	9487022100	MO.
36.		Assistant Professor in Botany AAGAC, Namakkal	drpalanisamyllo@gmail.com	9442961870	100-
	The state of the s	FACULTY OF ZOOLO	GY, AAGAC, NAMAKKAL	THE REAL PROPERTY.	DESCRIPTION OF THE PARTY
	DR.RAJASEKARAPANDIA N.M	Assistant Professor & Head Dept. of Zoology AAGAC, Namakkai		8056761861	malajan
38.	DR. SEKAR.P	Assistant Professor in Zoology AAGAC, Namakkal	malarsekarp@gmail.com	9965525402	B
39.	DR. NAGARATHINAM.N	Assistant Professor in Zoology AAGAC, Namakkal	nagarathinam.tda@gmail.com	9487446269	N. Wagnedhinan
40.	DR.SELLAPAN.M	Assistant Professor in Zoology AAGAC, Namakkal	SALES TO THE REAL PROPERTY.	9553616940	nsch
41.	DR. PRADHAP.M	Assistant Professor in Zoology			10

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		AAGAC, Namakkal	ERNMENT ARTS COLLEGE,NAM	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	111111111111111111111111111111111111111
42.	DR. KRISHNAMOORTHI.A	Assistant Professor in Zoology AAGAC, Namakkal	arumugam.k.moorthi@gmail.com	9486767715	Jan -
43.	DR.SENTHILNATHAN.S	Guest Lecturer in Zoology AAGAC, Namakkal	senthilevr@gmail.com	9442667053	Quises
ANK.	THI B.S	C BOTANY, NKR GOVT ART	S COLLEGE FOR WOMEN, NAMA	KKAL	THE PARTY OF THE P
44.	MS.NASEKA.S.A	III B.Sc., Botany NKR Govt Arts College for Women Namakkal	nasekanaseka98@gmail.com	8760715235	S.A. nageka
45.	MS.DHARANI.K	III B.Sc., Botany NKR Govt Arts College for Women Namakkal	kdharani41098@gmail.com	9442514992	K. Dharani.
46.	MS.INDUMATHI.R	III B.Sc., Botany NKR Govt Arts College for Women Namakkal	indhu96@gmail.com	8056451303	R. Indumathi
47.	MS.JAYALAKSHMI.P	III B.Sc., Botany NKR Govt Arts College for Women Namakkal	jaya29178@gmail.com	9524940423	P. Jayddesh.
48.	Ms.PRIYADHARSHINI	III B.Sc., Botany NKR Govt Arts College for Women Namakkal	Haripriya3699@gmail.com	9442062159	17. Porigadhamhini
49.	MS.DHIVYA.A	III B.Sc., Botany NKR Govt Arts College for Women Namakkal		9787931734	A. Phiwa
-50.	MS.KARUNYA.S	III B.Sc., Botany NKR Govt Arts College for	saravananbharath192@gmail.com	9976366879	A. Lhinga S. Kanunya.



		Women Namakkal	VERNMENT ARTS COLLEGE, NA	MAKKAL-637 002	TAMIL NADU
51.	- Thursday	III B.Sc., Botany NKR Govt Arts College for Women, Namakkal	Elavarasi7121998@gmail.com	9751147930	R. Elavaras
	SECTION TO BE LOT M	SC ZOOLOGY,NKR GOVT ART	IS COLLEGE FOR WOMEN, NAM	AKKAT	110000000000000000000000000000000000000
52.		I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL	poomani00500598@gmail.com	9047300474	26. Guns
53.		I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL	cjcevitha1998@gmail.com	9600253267	C. Sewitha
54.	YAMUNA.M	I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL	yamuni7nkl@gmail.com	9751157750	n.4 ra.
55.	DEIVARANI.S	I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL	deivarani0199@gmail.com	8870314595	3.20
56.	SRIDEVI.P	I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN,NAMAKKAL	narmathamahdev@gmail.com	9894857119	P. Orion
57.	GAYATHRI.M	I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL		9600515448	M-Gapathou
58.	RAMANI.T	I-M.Sc.ZOOLOGY NKR GOVT ARTS		9629077003	T. Ray

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		COLLEGE FOR WOMEN NAMAKKAL	ERNMENT ARTS COLLEGE,NAMA		
59.	KEERTHIGA.A	I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL	keenthigaadsk@gmais.com	9789 389548	A. Keenthigs
60.	RAGHAVI.M	I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL	mj2309raghavimohan@gmail.com	8220947797	TALL: M
61.	KANIMOZHI.T	I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL	Kannnochi-15 @gmail.lon	9698833117	T. Newly
62.	GOWRLP	I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL	Grown Raja @ mall-com	9597612005	Poon "
63.	PAVITHRA.S	I-M.Sc.ZOOLOGY NKR GOVT ARTS COLLEGE FOR WOMEN NAMAKKAL	pavithra10051998@gmail.com	8220320657	1796
400	III B	SC MICROBIOLOGY, NKR GO	OVT COLLEGE FOR WOMEN, NAMA	KKAL .	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
64.	MS.SOWMYA.M	III-B.Sc. Microbiology NKR Govt Arts College for Women, Namakkal	sowmya17@gmail.com	8807124324	M. Sownya
65.	MS.MONISHA.S	III-B.Sc. Microbiology NKR Govt Arts College for Women, Namakkal	monisha9943@gmail.com	7639830050	5. Morigha
66.	MS.HEMAMALINI.K	III-B.Sc. Microbiology NKR Govt Arts College for Women, Namakkal	santhoshkalimuthu@gmail.com	9597210987	K. Hmalini

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9524065404

DEPARTMENT OF BOTANY, ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL-637 002 TAMIL NADU piruthika7777@gmail.com III-B.Sc. Microbiology 67. MS.PIRUTHIKA.V v. Piruthika NKR Govt Arts College for Women, Namakkal 9047627086 sruthimeena1998@mail.com K. meara III-B.Sc. Microbiology 68. MS.MEENA.K NKR Govt Arts College for Women, Namakkal 9790039847 III-B.Sc. Microbiology 69. MS.KOWSIKA.S 3. kowsiko NKR Govt Arts College for B.SC NUTRITION AND DIEDICS NKR GOVIT COLLEGE FOR WOMEN NAMAKKAL Women, Namakkal WASHING TO THE IT 9786273827 B.Sc. Nutrition and Dietics 70. MS.DURGADEVI.P P. Dungadevi NKR Govt Arts College for Women Namakkal keerthidhandapani2000@gmail.com 8754995883 B.Sc. Nutrition and Dietics Ms.KEERTHI.D NKR Govt Arts College for Women Namakkal 6379238342 sweetysima268@gmail.com B.Sc. Nutrition and Dietics Ms.SOWMIYA.V NKR Govt Arts College for Women Namakkal 9443737701 p.srirenugadevi@gmail.com B.Sc. Nutrition and Dietics MS.SRIRENUGADEVI P. Sweet NKR Govt Arts College for

> Women Namakkal

MS.GOMATHI.K

B.Sc. Nutrition and Dietics

Jr. Sjomathi NKR Govt Arts College for Women TO BISC ZOOLOGY MCAS RASIPURAM

kaliyannanganathi01@gmail.com

9

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DEBA DEMENT OF BOTANY ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL-637 002 TAMIL NADU

75.	MR.GOWTHAMRAJ.V	II B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram	gowthamusimani134@gmail.com	9894034774	v. Garaj
76.	MR.GOPINATH.K	II B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram	gopinathk272000@gmail.com	9944386821	Harry.
77.	MR.SABARINATHAN.A	II B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram	sabarinathan03062000@gmail.com	6381389193	
78.	MR.VIGNESH.S	II B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram	s.vignesh1402@gmail.com	9994570464	S. v2_
79	MR.RAJKUMAR.G	II B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram	grajkumarviji20@gmail.com	6379832877	6714
80		III B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram		9688651682	m.m. Gundo
81	. A4S.SURYA.P	III B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram		8870016665	857
82	. MR.PRESSYON.J	B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram	pressyon007@gmail.com	9500382326	Fra



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DEPARTMENT OF BOTANY, ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL-637 002 TAMIL NADU

83.	MR.MUGESH.P	III B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram	mugesh779@gmail.com	9715109057	PO+
84.	MR.VEERAMANI.M	II B.Sc.Zoology Muthayammal College of Arts and Science, Rasipuram	maninaresh24@gmail.com	7540008106	M.ald.
	ADH	HYAMAN ARTS AND SCIENCE	COLLEGE FOR WOMEN, UTHA	NGARAI	CHARLET THE
85.	MS.KEERTHIKA.M	M.Sc.Botany Adhiyaman Arts and Science College for Women Uthangarai		9655390559	n. Keerthika
86.	MS.RUTHRA.S	M.Sc.Botany Adhiyaman Arts and Science College for Women Uthangarai	ruthraselvam@gmail.com	9626394779	& Rother
87.		M.Sc.Botany Adhiyaman Arts and Science College for Women Uthangarai		9655856983	V. Sivappopulli
FR (4)	M.SC-APPLIED	MICROBIOLOGY, SENGUNTH	AR ARTS AND SCIENCE COLLI	GE,TIRUCHENGO	ODE
88		II-M.Sc Applied Microbiology Sengunthar Arts & Science College, Tiruchengode			Doose
89	MS.SWATHY.M	II-M.Sc Applied Microbiology Sengunthar Arts & Science College, Tiruchengode			NSuec
	. MS.GOWTHAM.S	II-M.Sc Applied Microbiology	felixgowtham7@gmail.com		Goute

(1)

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ORGANIA GOVERNMENT ARTS COLLEGE, NAMAKKAL-637 002 TAMIL NADU

		Sengunthar Arts & Science College, Tiruchengode	RNMENT ARTS COLLEGE, NAMAN		
91.	MR.GOVINDARAJU.R	II-M.Sc Applied Microbiology Sengunthar Arts & Science College, Tiruchengode		(	Save
92.	MR.NEHRU.R	II-M.Sc Applied Microbiology Sengunthar Arts & Science College, Tiruchengode			the
4-1-1	1000年1000年1000年1000年100日	GOVTARTS C	OLLEGE SALEM 8 2 2 4 4 1	ENGLISH CHARLES	Half die se en se anna die se de la constant
93.	MS.HAMIDUNNISA S	Department of Botany, Govt.Arts College for Women Salem-8	Syed solemi 1993@gmail.com	9786433280	s.Hamidenhisa
94.	MS.MOHANA S	Department of Botany, Govt.Arts College for Women Salem-8	mohanatmty@ganil.com	9787221884	S. mohana
95	. MS.SATHYAPRIYA J	Department of Botany, Govt.Arts College for Women Salem-8	Arun paut 5699 @gmail .com	9585374488	J. Sathya Pour
96		Department of Botany, Govt.Arts College for Women Salem-8	Vanithaaa 22@ gmail. com	7010959577	of. Vanitha
97	7. MS.MAHESWARI.K	Department of Botany, Govt.Arts College for Women Salem-8	967758885 Mahashmahash. Q. Or mail. (		K. Waheshnavi



ORGANISED BY

98.	MS.HAMSALEKA.B	TANY, ARIGNAR ANNA GOVE  Department of Botany, Govt.Arts College for Women Salem-8			Hanloska
99.	MS.LAVANYA.K	M.Sc.Botany Adhiyaman Arts and Science College for Women Uthangarai		8012352990	Carganya
7000	************************************	PH/D RESEA	RCH SCHOLARS L		THE COLUMN
100.	MS.VALARMATHI.N	Ph.D Research scholar in Botany, AAGAC, Namakkal	valarravi73@gmail.com	9482952357	MIT
101.	MR.SAMIYAPPAN.A	Ph.D Research Scholar in Botany AAGAC, Namakkal	asamiyappan@gmail.com	9442958346	of framerin
102.	MR.MANIVANNAN.M	Ph.D research Scholar Dept.of Botany AAGAC,Namakkal	mani.m3564@gmail.com	9940843564	mg
103.	Ms.SASIKALA.J	Ph.D research Scholar Dept.of Botany AAGAC,Namakkal	raj599931@gmail.com	9655045231	J. S. L.
104.	MRS.RUBA.P	Ph.D. Research Scholar in Botany, AAGAC, Namakkal	rupamanick@gmail.com	9942621649	P-82-
105.	MS.SUDHA.A	Ph.D Research Scholar in Microbiology, Vivekanandha College of Arts and Science, Tiruchengode	sudha29.a@gmail.com		Judhe
106	MS.SIVASANKARI.M	Ph.D Research scholar in Microbiology, Vivekanandha College of Arts and Science for Women Tiruchengode	ineshankari@gmail.com	9788425490	Dia

(3)

ORGANISED BY
DEPARTMENT OF BOTANY, ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL-637 002 TAMIL NADU

107.	MS.JANANI.R	Ph.D Research Scholar in Microbiology, Vivekanandha College of Arts and Science, Tiruchengode	jananiraj89@gmail.com	9047433197	Dig.R
108.	MS.SRIRAMANI.M	Ph.D Research Scholar in Microbiology, Vivekanandha College of Arts and Science, Tiruchengode	sriramanimicro@gmail.com	9025490691	M. Gros Brown
109.	MS.PRIYA.R	Ph.D Research Scholar in Microbiology, Vivekanandha College of Arts and Science, Tiruchengode	priyamicro.94@gmail.com	8943535501	R-lie
110.	MS.NIRMALA.M	Ph.D Research Scholar in Microbiology, Vivekanandha College of Arts and Science, Tiruchengode	nirmalamahendran@gmail.com	960982838	M. Dust
111.	MS.KALEESHWARI. G	Ph.D Research Scholar in Microbiology, Vivekanandha College of Arts and Science, Tiruchengode	kaleesganesan@g.mid.com	<i>छ</i> ८३४०।२।१	@ <u></u>
112.	MS.VINDHJA VISMWAN	Ph.D Research Scholar in Microbiology, Vivekanandha College of Arts and Science, Tiruchengode	Vindhujerniero@gmail.com	09 207 19357	· Out
113.	Mr.GUNASEKARAN.	Ph.D. Research Scholar Department of Botany Research & Development centre Bharathiar University Coimbatore	gunabotanyguna@gmail.com	9894965317	See See

(It

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DEPARTMENT OF BOTANY, ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL-637 002 TAMIL NADU

114.	Mr.SIVA.P.K	Ph.D. Research Scholar Department of Botany J.J.College of Arts & Science Pudukottai	ERNMENT ARTS COLLEGE,NAM. pksiva777@gmail.com	9994953626	Ohio.
	"成立。李龙传,等于我,然而是"	I SEL THE BSC ZOOLOG	Y, A'AGAC, NAMAKKAL	积累在北州等于公司	是是多次是有文地 國行
115.	MR.SILAMBARASAN.E	III-B.Sc. Zoology AAGAC,Namakkal	silambukutty5@gmail.com	8122790143	Samonest.
116.	MR.SATHESH KUMAR.M	III-B.Sc. Zoology AAGAC,Namakkal	satheshkumar141298@gmail.com	8903448109	M. ampai
117.	MR.ANBARASN.S	III-B.Sc. Zoology AAGAC,Namakkal	anbarasanbsc1999@gmail.com	8300470329	Sam
118.	MR.SENTHARASU.R	III-B.Sc. Zoology AAGAC,Namakkal		9524245631	2.S.R.
119.	MR.THIRUMAELAMPAR UTHI.E	III-B.Sc. Zoology AAGAC,Namakkal	1 100 N 10 10 10 10 10 10 10 10 10 10 10 10 10	7339620400	Denbert.
120.	MRS.PONVALAVAN.T	III-B.Sc. Zoology AAGAC,Namakkal	dhilldilzz17@gmail.com	9789293646	& Walestrong
121.	MR.RAJESHKANNAN.K	III-B.Sc. Zoology AAGAC,Namakkal	rr5754916@gmail.com	7868066962	12. Auby
122.	MR.KARTHICK.S	III-B.Sc. Zoology AAGAC,Namakkal		8489828020	5. grise
123.	MR.KRISHNAKUMAR.P	III-B.Sc. Zoology AAGAC,Namakkal	krishnapalani 18899@gmail.com	8940064647	P. brishnakumal
124.	MR.DEVAKUMAR.T	III-B.Sc. Zoology AAGAC,Namakkal		8903881237	499
125.	MR.SAKTHIVEĽ.M	III-B.Sc. Zoology AAGAC,Namakkal	murugansakthivel8098@gmail.com	8098805137	u. saustivel.
415	at Grand war the grand	WALL THIM SC BOTAN	, AAGAC, NAMAKKAL	N. 7. S. C. C. C.	TARTE SETTI
126.		II M.Sc. BOTANY AAGAC,NAMAKKAL	vasanthimohanvasanthimohan @gmail.com	8940428087	den
127.	AZHGU SAKKAMAL. C	II M.Sc. BOTANY AAGAC,NAMAKKAL	.c.azagu333@gmail.com	9159733851	CAan

	DEPARTMENT OF BOT	OI ANY, ARIGNAR ANNA GO	RGANISED BY VERNMENT ARTS COLLEGE,NAM	AKKAL-637 002	TAMIL NADU
	RAHINI. V	II M.Sc. BOTANY AAGAC,NAMAKKAL	rahiniv20597@gmail.com	7092949740	Man
	SANGEETHA. S	II M.Sc. BOTANY AAGAC,NAMAKKAL	subramanisangeetha333@ gmail.com	9965010150	She
	ARULMOZHI. R	II M.Sc. BOTANY AAGAC,NAMAKKAL	rarulmozhi25@gmail.com	7548815030	Asum
	MANICKAM.K	II M.Sc. BOTANY AAGAC,NAMAKKAL	manickamk127@gmail.com	9942926771	& name
132.	RANJITHA .N	II M.Sc. BOTANY AAGAC,NAMAKKAL	ranjithakl1996@gmail.com	8940856883	Davita
133.	KEERTHANA.M	II M.Sc. BOTANY AAGAC,NAMAKKAL	m.sc.keerthana@gmail.com	7826915714	Kort -
134.	KUMARESAN.K	II M.Sc. BOTANY AAGAC,NAMAKKAL	kumerasank13041996@gmail.com	9487501649	& Kumeretan
135.	KARTHIKA B	II M.Sc. BOTANY AAGAC,NAMAKKAL	karthika27997@gmail.com	8344182680	bunne
136.	MR.GOVINDASAMI.P	II M.Sc., Botany AAGAC, Namakkal	samibsc47dpi@gmail.com	7639785474	Rendeni
137.	MR.JOE ROBINSON	II M.Sc., Botany AAGAC, Namakkal	robin15071996@gmail.com	9487832933	J. 7. 200 1 2000
138.	MR.THIRUPATHI.A	II M.Sc., Botany AAGAC, Namakkal	thirupathiarul193@gmail.com	8940362460	A Therepash
139.	MR.KARUNAMOORTHI.J	II M.Sc., Botany AAGAC, Namakkal	jekarun@gmail.com	7339531095	)ounu
			NY, AAGAC, NAMAKKAL		
140.	ATCHAYA.M	I M.Sc. BOTANY AAGAC,NAMAKKAL	atchayabio@gmail.com	8926580472	m. Ats.
141	LOGESHWARI.M	I M.Sc. BOTANY AAGAC,NAMAKKAL	logukeerthigasc98@gmail.com	9791265041	M. Lustig.
142.	DHIVYA.K	I M.Sc. BOTANY AAGAC,NAMAKKAL	k.dhivya26496@gmail.com	7708245282	Kabbaya.
143	JAYAPRAKASH.S	I M.Sc. BOTANY	prakshprakash66257@gmail.com	9894474694	5.7. 2



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DEPARTMENT OF BOTANY, ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL-637 002 TAMIL NADU

		AAGAC,NAMAKKAL		1	
144.	PRADEEP.T	I M.Sc. BOTANY AAGAC,NAMAKKAL	pradeept0206@gmail.com	9659112459	9. Pat
145.	MOHANRAJ.A	I M.Sc. BOTANY AAGAC,NAMAKKAL		9865391221	Or. Booms
146.	ARUNADEVI.S	I M.Sc. BOTANY AAGAC,NAMAKKAL	ter see - Si	9944544659	S Aruna deni
147.	REVATHI.P	I M.Sc. BOTANY AAGAC,NAMAKKAL	prevathi0596@gmail.com	9600864557	P. MAY
148.	SUBASHINI.R	I M.Sc. BOTANY AAGAC,NAMAKKAL		8531808520	R. Aubig
149.	NIVETHA.S	I M.Sc. BOTANY AAGAC,NAMAKKAL	nivetha1998@gmail.com	9677599351	3. Nivelsha
150	INDHUMATHI.K	I M.Sc. BOTANY AAGAC,NAMAKKAL	Indhukathir98@gmail.com	8220055361	The Della The



	DELINICATE OF BOT	R SC RIOTECHNOLO	ERNMENT ARTS COLLEGE, NAM OGY, MCAS, RASIPURAM		
151.	MS.DEVLV	II B.SC BIOTECHNOLOGY Muthayammal College of Arts & Science, Rasipuram-637408	hodbiotech@muthayammal.in	9944705FR	V.D-i
152	MS.DHIVYABHARATHI.E	II B.SC BIOTECHNOLOGY Muthayammal College of Arts & Science, Rasipuram-637408	hodbiotech@muthayammal.in	8778734281	E Dinga Charath
153	MS.PREETHA.S	II B.SC BIOTECHNOLOGY Muthayammal College of Arts & Science, Rasipuram-637408	hodbiotech@muthayammal.in	9942506362	s-Pueetha
154	MS.INDHUMATHI.S	II B.SC BIOTECHNOLOGY Muthayammal College of Arts & Science,Rasipuram-637408	hodbiotech@muthayammal.in	8635790612	«Indhumative
155.	MS.RUBASRI.S	II B.SC BIOTECHNOLOGY Muthayammal College of Arts & Science, Rasipuram-637408	hodbiotech@muthayammal.in	2944712188	dus arreading
		III B.SC BOTANY	,AAGAC, NAMAKKAL		
156.	KUMARI.S	III B.Sc BOTANY AAGAC,NAMAKKAL		9626299750	den
157.	CHINNARASU.S	III B.Sc BOTANY AAGAC,NAMAKKAL	skchinnarasu@gmail.com	8825870556	S, chinnessasu
158.	BASUVARAJ.I	III B.Sc BOTANY AAGAC,NAMAKKAL	basuvaraj@gmail.com		Baruf ?
159.	MALAIYALI.P	III B.Sc BOTANY AAGAC,NAMAKKAL	malayalipmk@gmail.com	8124659928	and in
160.	ANANTH.M	III B.Sc BOTANY		7548877707	Dan
161.	MAHENTHIRAN.A	III B.Sc BOTANY AAGAC,NAMAKKAL	mahenthiran221996@gmail.com	9842893287	A, Malienthisas
162.	NAVIN.N	III B.Sc BOTANY AAGAC,NAMAKKAL	navinnavin75672@gmail.com	9943425091	Naish

#### A NATIONAL LEVEL SCIENCE ACADEMIES LECTURE WORKSHOP ON "RECENT TRENDS IN BIOLOGICAL SCIENCES" (RTBS-2018)

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ORGANISED BY DEPARTMENT OF BOTANY, ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL-637 002 TAMIL NADU 7402566227 163. SASIKUMAR.S III B.Sc BOTANY J. Losi kuman AAGAC, NAMAKKAL 8056487459 164. DIVAKAR.K III B.Sc BOTANY AAGAC.NAMAKKAL 8056505169 R. Santhos L 165. SANTHOSH.R. III B.Sc BOTANY AAGAC.NAMAKKAL 9087469047 karthicksarathkumar@gmail.com 166. KARTHICK.K III B.Sc BOTANY AAGAC, NAMAKKAL duraim61186@gmail.com 8825838661 III B.Sc BOTANY 167. DURALM AAGAC, NAMAKKAL kamalesankamalsun6978@gmail.com 6380990976 III B.Sc BOTANY 168. KAMALESAN.R AAGAC, NAMAKKAL 9994394116 169. SARATHKUMAR.R III B.Sc BOTANY AAGAC, NAMAKKAL 8754300057 III B.Sc BOTANY 170. PRIYANKA.R AAGAC, NAMAKKAL 9843654372 III B.Sc BOTANY NISHA DHARANLR R-Wiela Thasani AAGAC, NAMAKKAL 9795202286 III B.Sc BOTANY 172. MALATHIN N. Malathi AAGAC, NAMAKKAL 9952272141 III B.Sc BOTANY 173. PRIYA.M AAGAC, NAMAKKAL 8344920401 III B.Sc BOTANY 174. DIVAKARAN.K AAGAC, NAMAKKAL ragavaram.k@gmail.com 9597007441 III B.Sc BOTANY 175. RAGAVAN.K AAGAC, NAMAKKAL 9047901463 III-B.Sc., BOTANY 176. KALAISELVAM.M AAGAC.NAMAKKAL III B.SC., BOTANY MR.MANIKANDAN.R 8940609240 R-manikudan. AAGAC, NAMAKKAL III B.SC., BOTANY 178. MR.DHIVAKAR.K 8056487459 Dirakas. Ve AAGAC, NAMAKKAL

MR.AARTHI.M	Ph.D Research Scholar in Biotechnology Research and Development centre, Bharathiar University Coimbatore	RNMENT ARTS COLLEGE,NAMA aarthimala@gmail.com	94434-86878	Small
M. RENUGA	B. SC Micheliology NKR G college for W	renugat399 Egmail um	8098614644	M. Rosago
181. S. KOLANDASAMY	B.SC Botany C.N. college, Evode	Kolandasamy 1979@	7339394855	- Stallandassamy
182 S. HARI HARAN	n	hariharan 1006@gumit.	965952904	2. Hang John
1834 K. CHITRA	#/P Depl by Biotech Nu Howammal College of Arts & Stare	chilia_biotec@yahoo.com	9488784156	Int_
184 C. VELMURUCIAN	M. Phil Bolany A ACTAC Conseque	venghaivel 360 gmail	8608 H2616	collect
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#### A NATIONAL LEVEL SCIENCE ACADEMIES LECTURE WORKSHOP ON "RECENT TRENDS IN BIOLOGICAL SCIENCES" (RTBS-2018)

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ORGANISEDBY RIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL-637 002 TAMIL NADU C. Rankumar M. phil Botany manikumantvo@gmail.com 8489684020 Clanguage. AACIAC. Namakkas Jim THOMAS Ph.D scholar Jim biolob@grand.com 9037786763 Mutuayoumnal college Rusipuram Phy. Scieler D. GLANDHIRM 19/19/19 8 @ 9 mail. Co 750696888 AAGAC VANNANAN Mr. And women Ph. 2 Scholar MARUN PRATING SIMAK CON 9976729582 A.A. G. A. College M. ARULKUMAR maman well , Agrisbant Put Kowadya Krimaran Q Dr. R. KOWSALYA Dept. of Priochemisty 70103 ture Viverandhe colve 1 Arts 15828 AP Botomy Julhpamurugech 7) 90800095 R. PUSHPA Adhiyaman Arts and Egnail. wm sience college for momen MscBolany 8012352990 K. Lavanya Laranya-K 9047465 R. Kamatchi 194. Kamatchi - R

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## தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம் TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamilnadu)
Directorate of Technical Education Campus, Chennai - 600 025

Phone: 044 - 2230 1428 | Web : www.tanscst.nic.in

Telefax: 044 - 2230 1552 | E-mail: enquiry.tanscst@nic.in / ms.tanscst@nic.in

DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S.(USA). Member Secretary

Ref: TNSCST/Astra/2016-2017/

23.08.2017

To
The Principal
Arignar Anna Government Arts College for Men
Aniyapuram, Namakkal – 637 002

Sir/Madam,

Sub: Application of Science and Technology for Rural Areas - Approved

Grant- release - Reg.

Ref: Council's approval letter dated 11.04.2017

With reference to the above, please find enclosed herewith a Cheque for Rs.100000/- (Rupees One lakh only) as grant to organize the "Application of Science and Technology for Rural Areas" in your district. The guidelines to the Co-ordinator, budget break up, Utilization Certificate format and model certificate are enclosed.

You have to submit the detailed programme report along with the Statement of expenditure and utilization certificate in duplicate within a month time after completion of the programme.

Thanking you,

Yours faithfully,

Member Secretary

21818

Encl: Cheque No. 480637 dt.22.08.2017 for Rs.100000/-

Copy to:

Dr.V.Velusamy

√ Assistant Professor

Dept. of Physics

Arignar Anna Government Arts College for Men

Aniyapuram, Namakkal - 637 002

#### UTILISATION CERTIFICATE (TWO COPIES)

1. Title of the programme : Application of Science and Technology in rural areas

2. Name of the Institution : Arignar Anna Govt. Arts College,

Namakkal-637002

3. Name of the Grantee : The Principal

Tamilnadu state council for science : Lr.No. TNSCST/ASTRA/AR/2017/1271 4. and Technology sanction no., date

dated 11.04.2017.

& amount

(Cheque No.480637, Dt.22.08.2017 for Rs.100000/-)

5. Head of the account : Part I Scheme (2016-2017)

Certified that Rs.100000/- (Rupees One lakh only) of grants-in-aid sanctioned for the year 2016 - 2017 in favour of The Principal under council letter no. Lr.No.TNSCST/ASTRA/AR/2017/1271 dated 11.04.2017 has been utilized for the purpose of Application of Science and Technology in rural areas for which it was sanctioned and the conditions of the grant are Fulfilled/ being fulfilled.

Signature of the coordinator Dr.V.VELUSAMY, M.Sc., M.Phil., PdDCA., Ph.D.,

Assistant Professor of Physics Post Graduate & Research Department Arignar Anna Government Arts College Namakkal - 637 002, Tamilnadu.

Signature of head of the Institution With seal

> ுதல்வர், அந்தோ அள்ளா அழக கலைக் கன்னூரி, 3rinea - 037 002. D.O. Gode : C1-103

## Tamilnadu State Council for Science and Technology

DOTE Campus, Chennai - 600 025

# Approved list of Student Projects - 2017-2018 (Science Stream - sl.no. 1to 91& 382 to 500)

Phys	ical Sciences	•		•	•
447	Dr M Venkatesh Assistant professor Dept. of Physics KSR College of Arts and Science Tiruchengode-637215	Structural and magnetic properties of Ca-Ni-Ferrite nanoparticles by microwave combustion method for magnetic high density information storage devices		PS-001	10000/-
448	Dr.S.Anuja Manikandan Assistant professor Dept of Chemistry Loyola college Chennai-600034	Synthesis, characterization and energy storage application of carbon material from Eichhomia Crassipes	Julia sebastian	PS-002	10000/-
449	Dr.T.Kokila Assistant professor Dept. of Physics Vivekanandha college of arts & science for Women Elayampalayam-637205 Namakkal Dt.	A Novel biogenic approach to silver nanoparticle synthesis from biowaste(Vitamin C rich Citrus fruit peel) and their biological applications	S.Anusuya S.Sowmiya	PS-003	10000/-
450	Dr V Veluusamy Assistant professor Dept. of Physics Agrignar anna Govt. Arts College Namakkal-637002	Impact of addition of diethyl ether on the phase separation issue in the diesel - biodiesel -alcohol blends	G Pavithra	PS-004	(10000/-)



## தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம் TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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Telefax: 044 - 2230 1552 E-mail: enquiry.tanscst.nic.in / ms.tanscst@nic.in

DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S. (USA).
Member Secretary

Ref: TNSCST/PFA/SSW/VR/47/2016-17

4273

23.03.2018

To Dr.E.G.Wesely Assistant Professor Dept. of Botany A.A.Govt. Arts College Namakkai – 637 002

Sir / Madam.

Sub: Partial Financial Support -- National Level Workshop on Ethnomedicobotany

- February 22-23, 2018 - Approval - Reg.

Ref: Chairman approval dated 22.03.2018

With reference to the above we are happy to inform that a sum of Rs.20000/- has been approved as partial financial support for the above programme. Two copies of the programme report containing details of the programme, invitations, technical details, list of participants, photographs, press release etc., and Utilization Certificate may be sent to the Council within one month from the receipt of this letter.

Any programme material printed after the receipt of this approval should acknowledge the Council's support as "Catalyzed and financially supported by Tamilnadu State Council for Science and Technology, Dept. of Higher Education, Government of Tamilnadu."

With wishes,

Yours faithfully,

Member Secretary

Copy to: The Principal A.A.Govt. Arts College Namakkal – 637 002