	Academic & Administrative Audit : 2020-21							
		Format-II (Institution	al Data Cum Academic Advisor's Grading)			1		
S.N o.	Item	Records to be verified	Bench Marks	Self assessment by the Institution	Grade by Academic Advisors (AA*) after verification (A(Good)/ B (Satisfactory)/C (to improve))	Recommendatio n/Suggestions by Academic Advisors (AA*)		
	III-RESEARCH, INNOVATIONS AND EXTENSION							
Α			tion of Research and Facilities					
1	College has a Recognized Research Centre, Centre for Innovation and Research Promotion Council	Sanctioned Letter Report by Research Committee Coordinator, verified by the Principal	Grade A, if Research Centre is functioning Grade B, if Research Centre is established Grade C, if there is no Research Centre	С				
2	Research Guides in the College	Report by Research Committee Coordinator, verified by the Principal	Grade A, if > 50% are Research Guides Grade B, if > 30% are Research Guides Grade C, if < 30% are Research Guides	С				
3	Research Scholars working for Ph. D	Report by Research Committee Coordinator, verified by the Principal	Grade A, if Active Research work is going on Grade B, if Research work is pending Grade C, if there is no Research work	С				
4	Major/Minor/Other Research Projects Completed /Ongoing (During the last two years)	Report by Research Committee Coordinator, verified by the Principal	Grade A, if MRP submitted Grade B, if MRPis pending Grade C, if there is no Research Project	С				
В		Resource	Mobilization for Research Purpose		•	•		
5	Grants received from Govt & Non Govt Agencies for Research projects / endowments in the last two years	Report by Research Committee Coordinator, verified by the Principal	Grade A, if > 3 Lkh Grade B, if <3lkh Grade C, if there is no funding	С				
6	Financial Assistance extended by the institution to the faculty members for participating/ presenting research papers in national/ international seminars/ workshops etc to foster research culture.	Report by Research Committee Coordinator, verified by the Principal	Grade A, if completely extended Grade B, if partially extended Grade C, if there is no funding	С				
7	The Institution has an ecosystem for innovation/Start ups including incubation centre and other initiatives for transfer of knowledge (Local innovations /Entreprenuership Hub)	Report by Research Committee Coordinator, verified by the Principal	Grade A if Centre for innovation, incubation and Entrepreneurship facility is established and facilitated atleast one start up; Grade B if only innovation facility is established Grade C if no such centre is established till now.	с				
С		Rese	arch Publicaton and Awards					

S.N o.	Item	Records to be verified	Bench Marks	Self assessment by the Institution	Grade by Academic Advisors (AA*) after verification (A(Good)/ B (Satisfactory)/C (to improve))	Recommendatio n/Suggestions by Academic Advisors (AA*)
8	Papers Presented for the last two years (International/ National/ State level conferences and seminars)	Department wise Report by Research Committee Coordinator, validated by the IQAC and verified by the Principal	Grade A, if each Department publishes one paper Grade B, if 50% of Departments publish one paper each Grade C, if < 50% of Departments publish one paper each	c		
9	Books Published for the last two years (Single Author/Co Author)	Department wise Report by Research Committee Coordinator, validated by the IQAC and verified by the Principal	Grade A, if each Department publishes one book Grade B, if 50% of Departments publish one book each Grade C, if < 50% of Departments publish one book each	c		
10	No of Papers published per teacher in the UGC notified journals (SCOPUS, Web of Science, ICI) for the last 2 years	Department wise Report by Research Committee Coordinator, validated by the IQAC and verified by the Principal	Grade A, if each Department publishes one paper Grade B, if 50% of Departments publish one paper each Grade C, if < 50% of Departments publish one paper each	С		
11	No.of Indexed Publications (h&i)	Department wise Report by Research Committee Coordinator, validated by the IQAC and verified by the Principal	Grade A if more than h-index is 2; Grade B if it is upto1; C if it is zero.	С		
12	No. of Books and Chapters in edited volumes/Books and papers published in National and International conferences (with ISBN)	Department wise Report by Research Committee Coordinator, validated by the IQAC and verified by the Principal	Grade A, if each Department publishes one book/ Chapter Grade B, if 50% of Departments publish one book each/ Chapter Grade C, if < 50% of Departments publish one book each/ Chapter	с		
13	Awards and Achievments for Research during the last two years	Report validated by IQAC and verified by Principal	Grade A, if more than 3 Awards are bagged Grade B, if 2 Awards are bagged Grade C, if one Award is bagged (Considering all two years)	В		
D		I	Extension Activities		I	
14	Extension Activities carried out through Govt/ Govt recognized bodies	Report on Activities validated by IQAC and verified by Principal	Grade A, if > 10 activities are conducted Grade B, if > 7 activities are conducted Grade C, if < 7 activities are conducted	С		

S.N o.	Item	Records to be verified	Bench Marks	Self assessment by the Institution	Grade by Academic Advisors (AA*) after verification (A(Good)/ B (Satisfactory)/C (to improve))	Recommendatio n/Suggestions by Academic Advisors (AA*)
15	Number of extension programmes conducted in colloboration with Community/NGOs through RRC/NSS/NCC/Red Cross/YRC/Swachh Bharath/WEC etc.,	Report on Activities validated by IQAC and verified by Principal	Grade A, if > 10 activities are conducted Grade B, if > 7 activities are conducted Grade C, if < 7 activities are conducted	A		
16	No. of Awards and Recognitions reeived for Extension activities from Government/ recognised bodies for the last 2 years	Report on Activities validated by IQAC and verified by Principal	Grade A, if more than 3 Awards are bagged Grade B, if 2 Awards are bagged Grade C, if one Award is bagged (Considering all two years)	С		
17	Average percentage of students and their details participating in extension activities with Government/ Non-Government Organisations above mentioned (Programme wise for the last 2 years)	Detailed Report on Activities validated by IQAC and verified by Principal (Government&Non Government seperately)	Grade A, if more than 3 Awards are bagged Grade B, if 2 Awards are bagged Grade C, if one Award is bagged (Considering all two years)	С		
Е		Cons	sultancy and Collaboration			
18	Areas of Consultancy offered and Amount generated (during the last 2 years)	Department wise Report on Activities validated by IQAC and verified by Principal Audited Statements	Grade A, if more than 25,000/- generated through consultancy Grade B, if more than 10,000/- generated through consultancy Grade C, if less than 10,000/- generated through consultancy	С		
19	Details of collaborations/linkages for					
	A. Faculty Exchange		Grade A, if more than 2 Faculty members exchanged Grade B, if 1 Faculty member exchanged Grade C, if no Faculty member exchanged	A		
	B. Student Exchange	1 Department wice Penart on Activities	Grade A, if more than 2 Students exchanged Grade B, if 1 Student exchanged Grade C, if no Student exchanged	A		

S.N o.	Item	Records to be verified	Bench Marks	Self assessment by the Institution	Grade by Academic Advisors (AA*) after verification (A(Good)/ B (Satisfactory)/C (to improve))	Recommendatio n/Suggestions by Academic Advisors (AA*)
	C. Internship	validated by IQAC and verified by Principal 2. Properly signed MOUs	Grade A, if more than 10 Students attended Grade B, if 10 Students attended Grade C, if 5 Students attended	С		
	D. Field trips		Grade A, if all Departments conducted Grade B, if 50% Departments conducted Grade C, if below 50% Departments conducted	В		
	E. OJTs		Grade A, if more than 10 Students attended Grade B, if 10 Students attended Grade C, if 5 Students attended	С		
20	Details of MOUs with national and international Institutions, Universities, Industries, Corporate houses etc	Properly signed MOUs Department wise Report on follow up Activities validated by IQAC and verified by Principal	Grade A, if all Departments have functional MOUs Grade B, if 50% Departments have functional MOUs Grade C, if below 50% Departments have functional MOUs	С		
21	Whether the institution conducted workshop/seminars on Intellectual Property Rights (IPR), Industry-Academia Innovative practices	Report validated by IQAC and verified by Principal	Grade A, if 2 workshops/seminars are conducted Grade B, if 1 workshop/seminar is conducted Grade C, if no workshop/seminar is conducted	С		
	Overall Grade					

Name & Signature of the Pri	ncipal :		

Name & Signature of the Vice-Principal :

Note: This format is to be filled by the Principal and submitted to the Academic Audit Team.

Name & Signatures of the Academic Advisors

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OFFICE OF THE DEAN ACADEMIC AFFAIRS ADIKAVI NANNAYA UNIVERSITY RAJAMAHENDRAVARAM

No. ANUR /LS/Research Centers /2017

PROCEEDING

Sub: - ANUR - LS Reco

Ref: - 1. Note Orders of the

2. Draft Pro-

March 6, 2017

PROCEEDINGS OF THE VICE-CHANCELLOR

Sub: - ANUR - LS Recognition of Research Centers - Approved - Orders - Issued.

Ref: - 1. Note Orders of the Vice-Chancellor dated: 06.03, 2017

2. Draft Proceedings of the Vice-Chancellor dated: 06.03.2017

ORDER:

The Vice-Chancellor is pleased to order that the following affiliated colleges be recognized as Research Centers of Adikavi Nannaya University and the following members be recognized as Research Supervisors in the respective Research Center, as detailed below:

a. Govi. College (A), Rajamahendravaram

Dr J Suncetha	1
Dr. B Mallikarjuna	
Dr. Satya Lakshmi	
Dr. V Sambasiya Rao	7
Dr B Madhay	
Dr K Ravindra Babu	
D K Anitha	
Dr. M Tejomoorthy	-
Dr. B Nagaswari	
Dr. M.R Gowtham	7
Dr P Shanmukha Rao	
Dr K Rathamanikyam	
Dr. B P Narasa Reddy	
Dr. K Jyothi	
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The state of the s	-
	Dr. B Mallikarjuna Dr. Satya Lakshmi Dr. V Sambasiva Rao Dr B Madhav Dr K Ravindra Babu D K Anitha Dr. M Tejomoorthy Dr. B Nagaswari Dr M R Gowthani Dr P Shanmukha Rao Dr K Rathamanikyam

b. Ch.SD. St. Theresa's College for Women, Eluru

Department	Research Supervisors
Economics	Dr I Annapoorna
	Dr. P Ratna Mary
English	Dr. R Madhavi
	Dr D Fathima Rani
Physics	D: A Ninnala Jyotsna
	Dr. K Sri Latha
	Dr. G Jyothi
Chemistry	Dr. C A Jyothirmai
Changery	Dr. M Rama
	Dr. V Naga Lakshmi

b. PR Govt. College, Kakinada

Chemistry	Dr Mahaboob Pacha
Botany	Dr. A Srinivasa Rao
Zoology	Dr N Srinivas
	Dr. B Elia
Mathematics	Dr P Subhashini
Commerce	Dr. J Panduranga Rao
Economies	Dr K Subhashini
Computer Science	Dr. K V Sobha Rani

c. Sir C R Reddy College, Eluru

Chemistry	Dr K A Emmanuel
Physics	Dr. P Paul Diwakar
Commerce	Dr. R Raghu

The Vice-Chancellor has further ordered that the above research centers required to pay prescribed fee from time-to-time.

These orders come into force after paying the prescribed fee for Recognition of Research Centers.

This matter be reported to Executive Council for ratification.

(By Order)

Dean, Academic Affairs

To:

- 1. The Principals of concerned Research Centers for information and onward communication
- 2. to the concerned Research Supervisor.
- 3. The Members of the BRS
- 4. All the Research Supervisors of the University

Copies to:

- 5. All the Principals of University Colleges
- 6. The Finance Officer
- 7. The Deputy Registrar
- 8. The Supdt.Estt.
- 9. PA to Registrar
- 10. PS to VC
- 11. OOF

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International Journal of Clinical and Experimental Medicine Research, 2021, 5(1), 41-69

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ISSN Online: 2575-7970 ISSN Print: 2575-7989

Phytochemicals and Their Antimicrobial Activity: An Update on Their Mode of Action

Sravanthi Pammi S. S. 1,4, Archana Giri2

Department of Botany, SVRK (M) GDC, Nidadavole, W.G.DT., A.P, India. ²Centre for Biotechnology, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad 500 085, India.

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*Corresponding author: Sravanthi Pammi S. S., Department of Botany, Nidadavole, SVRK (M) GDC, W.G.DT., A.P, India. Email: pammisravanthi@gmail.com

Abstract

Introduction: Plants have been considered as potential alternative for antimicrobial antibiotics owing to vast reserve of secondary metabolites. Last few decades have experienced an upsurge in demand and delivery of herbal products for health benefits as plant derived bioactive compounds have capability to interact with a wide variety of targets. The main focus of this review was to congregate vital information related to imperative bioactive components of medicinal plants having therapeutic potential with particular reference to antimicrobial activity against pathogenic bacteria. Our study intended to comprehend the mode of action of these phytopharmaceuticals for their scientific validation and drug development. Methods: A narrative review of papers reporting antimicrobial activity of medicinal plants against pathogenic bacteria, identification of the prospective bioactive compounds with antimicrobial potential and understanding their mechanism of action has been envisaged. Results: This review includes anthology of recent published information on phytoconstituents of various medicinal plants belonging to different families around the globe, tested and validated against various pathogenic bacteria. This study unveils the treasure of antimicrobial potential of plant species, which is also an appraisal of information related to mechanism of action of these phytochemicals required for their antimicrobial activity. Conclusions: There is resurgence in use of herbal medicines and identification of pharmacologically active compounds with their scientific validation. It will play a pivotal role in perpetuating and promoting wider usages of drugs based on plant extracts. A missing link for establishment of phytocompounds as an alternative drug requires understanding their mode of action and exploitation.

Medicinal plants, secondary metabolites, phytochemicals, antimicrobial activity, mode of action

Introduction

Medicinal plants have been rich source of therapeutically important compounds, used traditionally worldwide as remedies for the treatment of a number of diseases. Plants synthesize myriad biologically active phytochemicals which allow them to exist in their environment including defense against biotic stress [1]. Since antiquity plants have been used by man to treat common infectious diseases. In the past few decades the search for new antimicro-



World Journal Biology Pharmacy and Health Sciences

elSSN; 2582-5542 Cross Ref DOI: 10.30574/wjbphs Journal homepage: https://wjbphs.com/



(RESEARCH ARTICLE)

(I) Check for updates

In vitro cytotoxic activity of Phyllanthus amarus Schum. & Thonn.

S. S. Sravanthi Pammi 1.° and Archana Giri 2°

¹ Department of Botany, SVRK (M) GDC, Nidadavole, W.G.Dt., Andhra Pradesh, India.

² Centre for Biotechnology, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, India.

World Journal of Biology Pharmacy and Health Sciences, 2021, 06(02), 034-042

Publication history: Received on 07 April 2021; revised on 10 May 2021; accepted on 12 May 2021

Article DOI: https://doi.org/10.30574/wjbphs.2021.6.2.0050

Abstract

Some bioactive compounds from plants are excellent sources of anticancer drugs. These natural phytochemicals are used in active research for cancer prevention and treatment. In our present study *invitro* anticancer activity was evaluated using dimethylformamide leaf extract of *Phyllanthus amarus* as its GC-MS analysis revealed many active principles which exhibited good antimicrobial and antioxidant properties. There were reports that anti-proliferative activity is always coupled with antioxidant activity. Anti-cancer activity of the *P. amarus* leaf extract was tested against HCT 15 and T47D cell lines and inhibitory effect on HCT 15 cell line was found to be greater than T47D cell line. With the increasing concentration of extract, the percentage of viability of cell lines was found to be decreased for both the cell lines. The anticancer activity of leaf extract of *P. amarus* is comparable to positive control drug doxorubicin. N-Hexadecanoic acid, lignans and polyphenol compounds in leaf extract may be responsible for the anticancer activity. These phytochemicals block cancer cell propagation by controlling cancer stem cells and can influence all the stages of cancer development effectively.

Keywords: Anticancer; Phyllanthus amarus; Medicinal plants; GC-MS; Cell lines; MTT assay

1. Introduction

Cancer is a serious disease caused by invasive growth of cells which tend to proliferate rapidly causing malignancies in body. Cancer cells are formed as a result of imbalance in body metabolism and destroy healthy cells of our body [1]. Cancer cells overlook the signals that normal cells take; thereby disturbing the process of programmed cell death (apoptosis). After cardiovascular disease, cancer is the leading cause of death [2] as it is related with complex mechanisms both at cellular and molecular level. Natural sources such as plants, micro-organisms and marine-organisms serve about 60% of the total anti-cancer agents [3]. Medicinal herbs exhibit anti-cancer activity because of their excellent anti-oxidant and immunomodulatory properties. Phytochemical rich diet lessens cancer risk by 20%. These phytochemicals are generally natural plant derived secondary metabolites. Many challenges were faced during cancer treatment as patients undergo various types of therapies such as radiation, chemotherapy etc. In low and middle income countries (LMIC), over 20 million new cancer cases are expected annually as early as 2025[4]. Anti-cancer agents avoid or repress the growth of cancer. Plant derived compounds are gaining insight for exploiting novel pathways in cancer therapy. Plant based drugs have fewer side effects and research in plants is in continuous progress for isolating the active principles for curing various types of cancers in an effective way. Medicinal plants such as *Podophyllum peltatum, Taxus brevifolia, Camptotheca acuminate, Cephalotaxus harringtonia, Catharanthus roseus etc.* have been reviewed and compounds such asbetulinic acid, combrestatin and silvesterol were found to be responsible for

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Centre for Biotechnology, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, India.

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A Growing Concern of e-Waste in today's Environment

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lecturer in Botany, S.V.R.K (M) GDC, Nidadavole, Andhra Pradesh, India.

²Centre for Biotechnology, Institute of Science and Technology, Jawaharlal Nehru Technological University

Hyderabad, Kukatpally, Hyderabad 500 085, India

*For Correspondence: pammisravanthi@gmail.com

Abstract

Over the recent past, the global market of electrical and electronic equipment (EEE) has grown exponentially, while the lifespan of these products has become increasingly shorter. More of these products are ending up in rubbish dumps and recycling centers, posing a new challenge to policy makers. Most people are unaware of the potential negative impact of the rapidly increasing use of computers, monitors, and televisions. When these products are placed in landfills or incinerated, they pose health risks due to the hazardous materials they contain. The paper enumerates the current challenges and regulations related to e-Waste and provide an estimation technique to calculate the amount of e-Waste created and recycled; The purpose of this paper is to provide a review of the e-Waste problem and to put forward an estimation technique to calculate the growth of e-Waste.

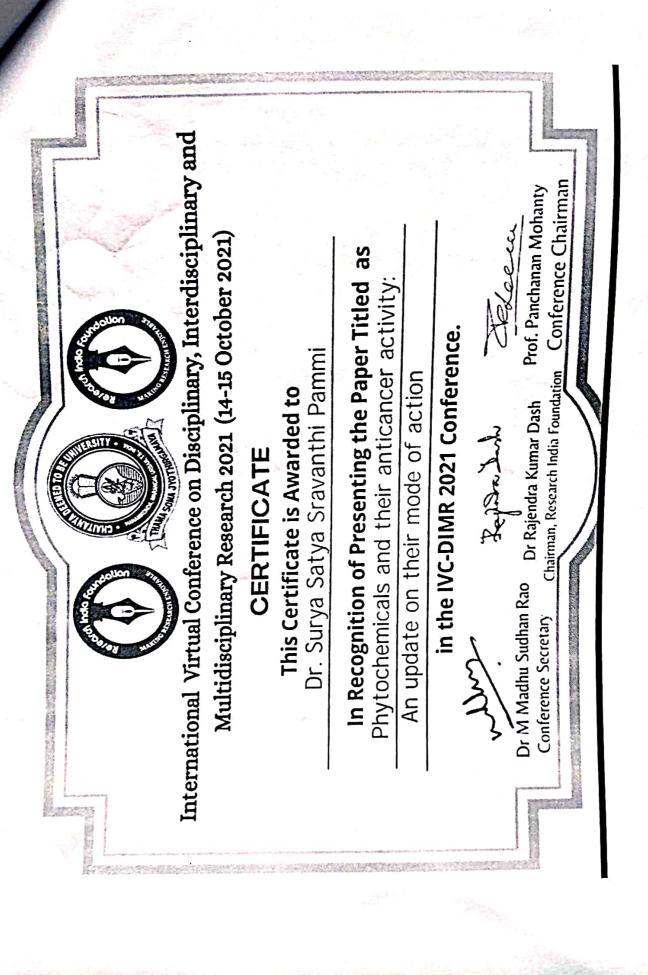
Keywords: e-Waste, electronics, equipment, hazardous, recycle.

Introduction

Over the past two decades, the global market of electrical and electronic equipment (EEE) continues to grow exponentially, while the lifespan of those products becomes shorter and shorter. Therefore, business as well as waste management officials is facing a new challenge, and e-Waste or waste electrical and electronic equipment (WEEE) is receiving considerable amount of attention from policy makers (Hilty, 2005; Hilty et al., 2004).

Consequently, the volume of WEEE grows rapidly every year and is also believed to be one of the most critical waste disposal issues of the twenty-first century. To be precise, United Nation University estimates that 20 to 50 tons of e- Waste is being generated per year worldwide (UNEP, 2005).

Compared to conventional municipal wastes, certain components of electronic products contain toxic substances, which can generate a threat to the environment as well as to human health (Woodell, 2005; 2008). For instance, television and computer monitors normally



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Dr. M Basumondal Chief Managing Editor

Date: 1-Dec-2021

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Journal of Pharmaceutical Research International

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SVRK Government Degree College, Nidadavole, West Godavarl district, Andhra Pradesh, India

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Chief Managing Editor Dr. M Basumondal

TO TO

SVRK Govt. Degree College, Nidadavole (M) IQAC ACTIVITIES 2021-2022

Department of Botany- Academic Activities

Received 'Trend award' for best teachers from Honorable Home minister Smt.Sucharithathrough SpandanaEda International foundation, Guntur on7/10/21.





🕏 Spandana Eda International Foundation 🦫 CERTIFICATE

OF APPREGIATION

This Great GURU SPANDANA Teacher Certificate is Proudly Presented to

Dr. P.S.S. Stavanthi SVRK(M) GDC, NIDADA VOLE
Thank you for your Knowledge and expertise and for taking on the challenge of

teaching the children grace, humour and enthusiasm you make a difference!

7 10 2021.





Later our beloved Principal, Dr. K.Jyothi took active part in felicitating her along with college staff and students.

అధ్యాపకురాలికి రాష్ట్రస్థాయి అవార్డు

నిదదవోలు : అంతర్వాతీయ ఉపాధ్యాయుల దినోత్సవం సందర్భంగా స్పందన ఈదా ఇంటర్నేషనల్ పొందేషన్ ఆధ్వర్యంలో గుంటూరులో నిర్వహించిన కార్య క్రమంలో నిదదవోలు ఎస్ఏఆరోకే ప్రభుత్వ డిగ్రీ కళాశాల అధ్యాపకురాలు పి. సూర్యసత్య స్రవంతిని టైండ్ అవార్మతో సత్కరించారు. రాష్ట్ర హోంశాఖ మం టై మేకతోటి సుచరిత చేతుల మీదుగా ఆమె ఆవార్డు అందుకున్నారు. శుక్ర వారం కళాశాలలో అధ్యాపకురాలు పి. సూర్యసత్య స్రవంతిని ఘనంగా సన్మా నించారు. ట్రిన్సిపల్ డాక్టర్ కె. జ్యోతి. అధ్యాపకులు పాల్గొన్నారు.



<u>ప్రజాశక్తి</u>

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హోంమంత్రి మేకతోది సుచరిత

బ్రజాశక్తి - గుంటారు జిల్లాపరినిధి

విద్యార్భులకు జ్వానాన్ని అందిస్త్రూ చారిని స్వార్ధంలో నడిపించాల్సిన బాధ్యర ఉపాధ్యాయం పై ఎక్కువగా ఉందని. సమాజ నిర్దేశకులు ఉపాధ్యాయులేనని రాష్ట్ర హోం మంత్ర మేకలోటి సుదరిర పేర్కొన్నారు అంతర్జాలీయ ఉపాధ్యాయ దికోత్సవం లో భాగంగా స్పందన, ఈద ఇంటర్నేషనల్ పౌండేషన్ అధ్యర్యంలో స్టానిక కాకాని రోడ్డు ఎఎస్ కన్సెన్షస్ హాల్ రాష్ట్ర వ్యాప్తంగా 13 జిల్లాల నుండి 200 మందికి



ెబ్జగా ఉపాధ్యాయులను గురువారం సత్యరించారు దాక్షర్ డిడి విమల, సుధిరిసంద్ర, ది ఉపాగిని, పొందేషస్ లోగోను ఆవిష్కరించిన అనంతరం మంత్ర పొందేషస్ డైరెక్టర్ ఈగా అంజిరెడ్డి, జారీయ మాటాడుతూ విద్యార్యులకు తెల్లిదెందుల కంటే అధ్యమ్ఞలు (శినివాస్స్మూర్తి పార్గొన్నారు

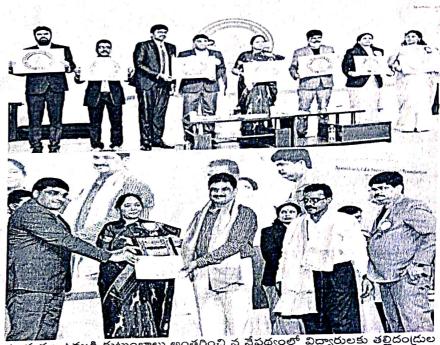
డపాధ్యాయంలోనే ఎక్కువ కాలం గదుపురారని, వారిని అన్ని రకాలుగా అభివృద్ధి చేసే బాద్మర ఎక్కువగా ఉపాధ్యాయులపై ఉందని చెప్పారు అనంతరం జీచర్స్ రిలేషన్ షిప్ ఇన్ ఎడ్యుకేటింగ్ ఫర్ నేషన్ దెవలప్రమెంట్ అంశంపై సదస్సు నిర్వహించగా రాష్ట్ర ప్రభుత్వ ముద్దా సంలోదారు సజ్జల రామకృషారెడ్డి చర్చుపలిగా మాట్రాదారు ఐఎఎస్ అధికారి దాశ్రర్ అద్దంకి గ్రీషర్హోలు. సైకాలజిస్మలు దాశ్రర్ టిడి విమల, సుధీర్సం,డ. డి ఉపాగిని, పాంచేషన్ డైరెశ్రర్ ఈదా అంజిరెడ్డి, జాతీయ అధికులు శ్రీనివాస్మూర్తి పార్కొన్నారు

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సమాజ నిద్దే చకులు "ఉపాధ్యాయులే"

గుంటూరు అక్టోబర్ (కాకతీయ)అభివృద్ధి చెందుతున్న నమాజంలో విద్యార్థులకు అవసరమైన జ్ఞానాన్ని అందిస్తూ వారిని సన్మార్గంలో నడిపించే వలసిన బాధ్యత ఉపాధ్యాయుల పైనే ఎక్కువగా ఉన్నదని రాష్ట్ర హూంమంత్రి మేకతోటి సుచరిత ేపర్కాన్నారున్పందన, ఈద ఇంటర్నేషనల్ ఫౌండేషన్ ఆధ్వర్యంలో అంతర్హాతీయ ఉ పాధ్యాయ దినోత్సవం లో భాగంగా స్థానిక కాకాని రోడ్డు ఏ ఎస్ కన్వెన్షన్ హాల్ నందు రా(ష్ట వ్యాప్తంగా 13 జిల్లాల నుండి 200 మంది పైగా గుర్తించిన ఉ పాధ్యాయులను ఛునంగా ನ ತ್ಮರಿಂವಿ ಅಂದಜೆಕಾರು.ವಿದ್ಯಾರ_ಥಲಲ್ ಆತ್ಮಸ್ಥ್ರಿರ್ರಂ ನಿಂಪ ವಿಧಂಗಾ పౌందేషన్ రూపొందించిన ఆవిష్కరించిన అనంతరం ముఖ్య అతిథిగా



పాల్గొన్న హోంయంత్రి సుచరిత మాట్లాడుతూ ఉమ్మడి కుటుంబాలు అంతరించి న నేపథ్యంలో విద్యార్థులకు తల్లిదండ్రుల కంటే ఉపాధ్యాయులు తోనే ఎక్కువ కాలము గడుపుతారని వారికి కావలసిన చదువు, జీవన నైపుణ్యాలు నేర్పాల్సిన బాధ్యత వారిపై నే ఎక్కువగా ఉన్నదని చెప్పారు. గత రెందు సంవత్సరాలుగా మేధావులు, సైకాలజిస్టుల తో స్పందన ఈ ద ఇంటర్నేషనల్ పాందేషన్ రెందు రాష్ట్రాలలో విద్యార్థులను జాగృతం చేయడంతోపాటు ఆత్మహత్యల నివారణ లో కీలక పాత్ర పోషించటం ఫోందేషన్ రెందు రాష్ట్రాలలో విద్యార్థులను జాగృతం చేయడంతోపాటు ఆత్మహత్యల నివారణ లో కీలక పాత్ర పోషించటం అభినందనీయమని తెలియజేశారు. "టీచర్స్ రిలేషన్ షిప్ ఇన్ ఎద్యుకేట్టి సిశీ సిగ్ ఫర్ నేషన్ డెవలప్మెంట్" అంశం పై లభినందనీయమని తెలియజేశారు. "టీచర్స్ రిలేషన్ షిప్ ఇన్ ఎద్యుకేట్టి సిశీ సిగ్ ఫర్ నేషన్ డెవలప్మెంట్" అంశం పై రోజంతా నిర్వహించిన అవగాహన సదస్సు లో రాడ్ర్ల ప్రభుత్వ ముఖ్య సలహాదారు సజ్ఞల రామకృష్ణారెడ్డి జూమ్ యాప్ ద్వారా సందేశం ఇచ్చారు. అనంతరం ఉపాధ్యాయులు, సైకాలజిస్టుల నుద్దేశించి ఐఏఎస్ అధికారి డాక్టర్ అద్దంకి శీధర్ బాబు, సందేశం ఇచ్చారు. అనంతరం ఉపాధ్యాయులు, సైకాలజిస్టుల నుద్దేశించి ఐఏఎస్ అధికారి డాక్టర్ అద్దంకి శీధర్ కాబు, సెకాలజిస్టులు డాక్టర్ టీ డీ విమల, సుధీర్ సండ్ర, టీ. ఉషా గిరి ప్రసంగించారుఈ కార్యక్రమంలో ఫౌందేషన్ డైరెక్టర్ ఈదా సైకాలజిస్టులు డాక్టర్ టీ డీ విమల, సుధీర్ సండ్ర, టీ. ఉపాధ్యక్షులు సిదీ సి. కృష్ణ భరత్, ప్రధాన కార్యదర్శి షేక్ మీరావలి, రాష్ట్ర కార్యదర్శి చిరంజీవి కార్యవర్గ సభ్యులు తదితరులు పాల్గొన్నారు

SVRK Govt. Degree College, Nidadavole (M) IQAC ACTIVITIES 2022-2023

Department of Botany- Academic Activities

Received 'Guru Spandana award' for best teachers from Honorable Minister of Backward classes welfare, A.P,Sri. Ch. SrinivasaVenugopala Krishnaand ParvataneniPurna Chandra Prasad MLA, Pattipadu assembly Constituency,E.G.Dt., A.P through SpandanaEda International foundation, Kakinada on19/12/21.







ಕ್ರವಾಧ್ಯಾಯುಲಕು 'ಗುರು ಸ್ಪಂದನ' ಅವಾರ್ದ್ವಲು



అవార్ను అందుకుంటున్న గౌల్లపల్లి నత్యనారాయణ

రాజమహేంద్రదవరం సిటీ/కడియం, డిసెంబరు 18. స్పందన ఈదా ఇంట ర్నేషనల్ పొండేషన్ ఆధ్వర్యంలో గురు స్పందన షరస్కారాలను రాజమహేం ద్రవరం కార్పొరేషన్, కడియం మండలానికి చెందిన పారశాలల ఉపాద్యాయులు అందుకున్నారు. అదివారం కారినాడ దంటు కాగ్మేత్రంలో జరిగిన కార్మకమంలో మంత్రి చెల్లుకోయిన డిబుగోపొలకృష్ణ, ట్రత్తిపాడు ఎమ్మెల్యే పర్వత డ్రసార్, ఎంపీ వంగా గీత, డీసీసీపీ కైర్మన్ ఆకుల వీర్రాంల, కూటి ఎమ్మెల్యే నల్లమిల్లి శేషారెడ్డి, స్పందన ఇంటర్సీషనల్ సంస్థ డైరెక్టర్ శామ్యూలోరెడ్డి చేతుంమీకుగా అవార్వులు అందుకున్నారు. అవార్తులు అందుకున్న వారిలో రాజమహేంద్రవరం నుంచి షులుగుడ్డ దుర్భావసాద్, పరసా జగన్నా దరావు, వరాహగిరి కృష్ణమోహహాస్, పి.నరేష్ మోటూరి మంగారాణి, ఈరంటి ఆనువమ, ఎనోవీఎం సూర్భాశీ, చీవీపీ రర్నావళి, కడియం నుంచి గొల్లపల్లి నత్యనారాయణ, డీటీపీఎస్ నాగేంద్ర, ఉంగరాల వీరబద్రరావు, ఆకుల సూర్య నారాయణ, కొమ్మరహడి రవిబాలు ఉన్నారు మనిషి తన జీవితంలో ఉన్న తంగా ఎదగాలంటే ఉత్తమ జూవాలతో, మంచి మార్గంలో నడిపేటట్కు చేయడమేనని ఇదా సంస్థ నిరూపించిందని మంత్రి వేటు ద్రశంసించారు.







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क्रका बहुक क्रकार करते प्रित्न हरूपन



ప్తందన గళలు ఢినిలిషన్ జయిర్వేషనల్ భుంచిప్త

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ఉపాధ్యాయులతోనే ఉత్తమ సమాజ నిర్మాణం

రాస్త్రాయలు మని కన్ని కుర్మారు.

అనుకేందిని కేసుంద్ తో ఇక్కు మాన్యా స్పనీని సహించులు వార్తి మీకి ఉన్నాయులు కొనటుకేము. మైదర్లని అన్ను కన్నా కేస్ మీకు కం ముఖ మాన్యయులు కొనటుకేము. మైదర్లని అన్ను కన్నా కేస్ పిట్టు కం ముఖ ప్రభేముక ముగే ప్రభేమ మైదర్లని ముఖ కార్యములు అనికి అన్నాయి. ఇంట్లని ముక్కని మూడి మీకి మని మార్చములు అనికి ఈ ఇముంది ఈ ఇట్టకునికి ఈం అంట్లినికి లెటికి సైద్య అన్నే మం ఇమ్మాయి. ఇంట్లు కూలకా అట్లను ప్రభావ మార్చములు అనికాల అనేకాని ఈ ముఖంగా ముని మార్చమల అనుకాం కూలను మునం అనేకాని ఈ ముఖంగా ముని మార్చమల అనుకాం కూలను మనుకో పార్యమికే ప్రభేమ ప్రభావ మూడి ప్రస్తే ప్రస్తారాని త్యేమనే మార్చికున్న మీకి ప్రస్తారులో మార్చిన ప్రస్తారం. ఇన్ ప్రస్తారం త్యేమనే మార్చికున్న మీకి ప్రస్తారం. ఈ ముక్కలా అనికి మీకి మెర్చినులు? మైద కారికున్న మేస్తారంట్నాని ఈ ముక్కలా అనికి మీకి మెర్చినులు? మీకి కేకుకున్న మీకి ప్రామాలనే ఏటి మర్గినా అనికి మీకి మెర్చినులు? మీకి కేకుకున్న మీకి ప్రామాలనే ఏటి మర్గినా అనికి మీకి మెర్చినులు?



ఇవాడన అందస్తున్న మున్ర రెల్లకోవాన ఏడు

ఉపాధ్యాయులే సమజ నిర్మాతలు



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ఉ**పాధ్యాయు**లకు 'గురుస్<mark>నందన'</mark> అవార్డులు

ನೀಡಾತ್ - ಕ್ಷೇಡ್ರೆಯ

మండలనికి కెంకిన ప్రభుత్వ రిపార్బాయులు రిటిఎస్ వాగేంద్ర. జంగరాల మీరద్రవార, అమం నార్య నారాయణ. కొమ్మలపోడి రమాలు గొళ్లపెక్ట్ నర్స్ కారాయణ కాకిచార రులు కళిక్షేరంలో గిర్వహించిన ఇర్వకిఎస్ సిరుపుంచిన జాతీయ అవార్తులు ఆరివారం అందుజన్వారు జూ గృందిన ఇంట్ఫోమనిక్ ఫౌండేషన్ అధ్యక్షంలో ఏశిష్ట్ల సముంచించిన ఉపాద్యాయులకు అందించే ఈ అతీమ అవార్తుల ప్రవానోర్మవంలో ముఖ్య ఆతిచులగా ముఖ్య చెల్లులోందిన వేడుగోపాలకృష్ణ కాకినాద ఎంపి మంగాగీత ప్రత్తిపారు ఎంఎక్ఎ వర్వత ప్రసార్, పొందేషన్ డైర్మన్ ఇదా శామ్యూల్ రెడ్డి పొల్గిన అవార్యలు అందినేశారు అనంతరం వారు మాట్లాడుగా విద్యార్థలు ఒక్కిక్తు తల్గిన్ మధ్యలో నమ



లిపార్వలు అందుకుంటున్న కడియం మందల ఓపాధ్వాయులు

జీవితాలను ముగుంచుకొని తక్షికుండులను శ్రీషమ్మిన చుగోవీదన కరిగిస్తున్నారని, అలాంటి విద్వార్యుల్లో మనోడైద్యాన్ని నింపాలన్నారు కార్యక్రమంలో డిసిసిటి డైర్మన్ ఆకుం ఏర్రాజు, చూజీ ఎంఎలోఎ న్యమిన్లి శేషారెడ్డి తవితకులు పాల్చెన్నారు





DST- FIST, DBT- Star College Scheme Govt, of India, APCOST and Dept. of Tribal Welfare, Govt. of Andbra Paidesh Sponsored:

TWO DAY NATIONAL CONFERENCE on Advances in Agriculture and Environmental Studies (NCAE) on 34 & 44 Dec, 2021

ABSTRACTS

Departments of Botany (IJG & PG) and Agriculture and Rural Development
ANDHRALDYDIA COLLEGE WITCHOMOLICUS; VIJAYWADA 501000, ANDHRA PRADESH, INDIA

CERTIFICATE













Sravanthi Pammi S. S.

VIJAYAWADA-520 008

Botany & Agriculture & Rural Development, Andhra Loyola College (Autonomous), Vijayawada, and Environmental Studies" held on 3" and 4th December, 2021 organized by the Departments of participated/presented a paper/ poster titled Phytochemicals and their Antioxidant activity: from Department of Botany, SVRK (M) GDC, Nidadavole, W.G.DT., A.P, India. has Krishna District, A.P, India. An update on their mode of action in a Two-Day National Conference on "Advances in Agriculture

E Swa Campai Dr. B. Siva Kumari Organizing Secretary

Andhra Loyola College, Vij Rev. Fr. Dr. G.A.P. Kishore, SJ

24. PHYTOCHEMICALS AND THEIR ANTIOXIDANT ACTIVITY: AN UPDATE ON THEIR MODE OF ACTION

Seavanthi Pammi S. S.^{1,*}, Archana Giri²
1Department of Botany, SVRK (M) GDC, Nidadavole, W.G.DT., A.P. India.
2Centre for Biotechnology, Institute of Science and Technology, Jawaharlal Nehro Technological University Hyderabod, Kukanpolly, Hyderabod 500 085, India

ABSTRACT

Medicinal plants are used for health care either directly or indirectly as they are rich source of several ingradients. Ethno-medical traditions prove that they have a great therapeutic value and are important bioresources. Phytochemicals are naturally occurring compounds having immense antioxidant potential and are of great interest in securing health benefits of consumers. Each portion of plant has its own medicinal properties possessing different types of secondary metabolites which plays important role in treatment of different types of diseases and for manufacturing of drugs. The phytopharmaceutical preparations should be safely assessed and well established before their usage. Inspite of medicinal uses, phytochemicals have also been used in cosmetics, fragrance and as food supplements. Global research is recently focussing on search of new medicines or active compounds with proven significant scientific output. This review focusses on the metabolic fingerprint and biological properties of various plants which play a major role in antioxidant activity along with their mechanisms of action.

Keywords: Medicinal plants, secondary metabolites, phytochemicals, antioxidant activity, mode of action.

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	2020-21		
Food donation to Charla Suseela Oldage home by NSS volunteers and SVRK staff		18/04/20	
Fruits distributed to needy people at nearby adopted village		1/6/2020	
Teachers day		5/9/2020	
Plantation		2/10/2020	
National Unity day		31/10/2020	
Count teats to students and staff		2/12/2020	
Mistignal Constitution Day		26/12/2020	
Indulate Constitution Car		11/1/2021	
Clean and green		23/01/21	41
Netaji jayanti		25/1/2021	
National Voters day		3/2/2021	
Painting of class benches by NSS		6/2/2021	
volunteers		11/2/2021	
Classrooms cleaning		1707	200 000 000 000 000 000 000 000 000 000
NSS Volunteers participated in Gram		13/2/2021	
Blood Donation Camp and Blood		1/3/2021	96
Grouping Clean and green		23/3/2020	
Say Yes to life, Say No to Drugs		31/3/2020	

		7. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
Fruits distributed People convalescing	r r	
from Covid -19 in the Adopted Villages. i.e		
Unagatla, S.Muppavaram, Nandigampadu		
of Chagallu Mandal	NSS	1/6/2020
Teacher's day Celebrations	NSS	5/9/2020
Gandhi Jayanthi Celebrations in the		
college premises and Plantation of		
saplings	NSS	2/10/2020
Plantation activity in the College Premises	NSS	17-10-2020
Celebrations of the National Unity Day on		
the Eve of the Birth Anniversary of Sardar		
Vallabhbhai Patel freedom fighter and		
first interior minister in independent India	Nac.	
minister in independent india	NSS	31-10-2020
National Education Day conducted in the		
College on the occasion of Maulana Abul	1	P. Comments
Naiam Azad, First Education Minister of	(700 m	
the Independent India	NSS	
National Constitution Day was celebrated	1455	11/11/2020
in the College	NSS	
Observed World AIDS Day	NSS	26-11-2020
Volunteers participated in the college		1/12/2020
activity of conducting Covid tests for the		
Teaching Staff, Office Staff and All the		. 8
Students Present in the college on that day		- 1
ddy	NSS	2/12/2020
Clean and Green Conducted		2/12/2020
Clean and Green Conducted in the college	NSS	8/12/2020
Clean and Green Conducted in the college		0/12/2020
AIDS awareness meeting conducted for	NSS	30-12-2020
students		
	NSS	7/1/2021
Clean and Green Conducted in the college	Nice	7-7-1021
Netaji Subhash Chandra Bose Jayanthi	INOS	11/1/2021
Celebrations in the College	NSS	
	1133	23-01-2021
Volunteers participated in the National		
Voters Day awareness meeting held SVD		
GDC (W) Nidadavole Conducted by the	Щ	,
Tehsildar, Nidadavole	NSS	
	155	25-01-2021

a sublic D		
Republic Day Celebrations in the College		
Clean and Green Activity by Volunteers in College Premises	NSS	26-01-2021
Training Class 6	10.00	2022
Training Class for Volunteers to	NSS	3/2/20
Participate in the Panchayat Elections	Non	3/2/20
Voluntaara k	NSS	5/2/202
Volunteers has done painting for the		
	NSS	
Volunteers cleaned the classrooms of the college	1422	6/2/202
0	NSS	
Volunteers participated in Gram	1433	11/2/202
- dictions	NSS	
Provided food for the inmates of Smt	1455	13-02-2021
Citeria Suseela Old Age Home in		
Midadavole	NSS	16.00.000
Clean and Green Activity by Volunteers in		16-02-2021
the College Premises	NSS	17-02-2021
Blood Donation and Grouping for and by	· Kerrina	17-02-2021
the students	NSS	1/3/2021
Clean and Green Activity by Volunteers in		1/3/2021
the College Premises	NSS	23-03-2021
Say yes to life and say no to drugs		
awareness meeting held for students in		rs
association with Nidadavole Police	Carra a	1:77
Department	NSS	31-03-2021
Say yes to life and say no to drugs		
awareness meeting held for students in		4
association with Nidadavole Police	ALC C	
Department	NSS	31-03-2021
Ambedkar birthday celebrations Clean & Green	NSS NSS	14.04.2021
Clean & Green	NSS	10.08.2021
Saplings pantation and clean and green	NSS	28.07.2021 14.09.2021
Saplings plantation	NSS	01.09.2021
papinigo piantation		01,03,2021



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

CENTRE FOR BIOTECHNOLOGY, INSTITUTE OF SCIENCE & TECHNOLOGY Kuketpally, Hyderabad-800 085 (T.S.) Tele / Fax : 040-23156120

Dr. Archana Giri Professor

Date: 17-09-2021

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ation) Indalam J INDIA 243663 pa.com

Collaborative Research work

I am extremely happy to collaborate with Department of Botany, SVRK (M) Government Degree College, Nidadavole, W.G.Dt, Andhra Pradesh towards research work on Plant Biotechnology. I am aware that Dr. P.S.S.Sravanthi, faculty of Botany department is actively involved in antimicrobial, antioxidant, anticancer research on medicinal plants. She is in touch with our laboratory since 2007 and carried out her research project on "Bio-Technological interventions for enhancing the production of Isoflavones from transformed cultures of Trifolium pratense". She completed her doctoral work on "Phytochemical characterization of Bioactive compounds and invitro evaluation of antimicrobial, antioxidant and anticancer activities of Phyllanthus amarus".

Our collective publication list is as follows:

- 1) Anti-microbial activity of *Phyllanthus amarus* plant extracts using polar and non-polar solvents against gram positive and gram negative bacteria, Sravanthi Pammi S. S., Padmavathi T. V. S. and *Archana Giri. International journal of current research (IJCR), Vol. 7, Issue, 12, pp.24687-24692, December, 2015, Impact Factor: 6.226, ISSN: 0975-833X.
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- 4) Analysis of bioactive compounds and antimicrobial screening of *Phyllanthus amarus* Schum, and Thonn.",S. S. Sravanthi Pammi, T. V. S. Padmavathi and Archana Giri*, International Journal of Advanced Research in Science and Technology (IJARST), Volume 5, Issue 2, pp.595-603, 2016, ISSN :2320-1126

5) Pharmacological potential of an important medicinal plant Phyllanthus amarus Schum. & Thonn.", Sravanthi Pammi S. S., Padmavathi T, V. S. and *Archana Giri, International Journal of Advanced Research in Science and Technology (IJARST), Vol. 5, Issue 2, 2016, pp.577-582, 2016, ISSN:2320-1126.

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Dr. Archana Giri Professor

Date: 17-09-2021

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J.N.T.University Hyderabad,
Kukatpally, Hyderabad-500 085, T.S., India

Government of Andhra Pradesh

From

To

Sri K.Thimmaraju,M.A., Assistant Director,(FAC) A.S.P.Govt. Museum & R.I., KAKINADA – 533 004. The Principal, S.V.R.K.Government Museum, Nidadavole West <u>Godavari</u>

Lr.Rc.No.B/ 52/2020, dated 04-11-2020

Respected Madam,

Sub: ARCHAEOLOGY AND MUSEUMS DEPARTMENT, Kakinada-

Memorandum of Understanding Between .-Assistant Director
Office, Archaeology, Kakinada and S.V.R.K. Government Degree College,
Nidadavole- Explorations, Excavations and Field Study-extension of SupportRegarding.

Ref: Letter from your college dated on 02-11-2020.

As per the Requisition in the above reference for Memorandum of Understanding for Three Years i.e 2020-2024 and I express my happiness to work with your Institution in the Ares of History, Heritage and Tourism. In this connection I reiterate the importance of Archaeological study for Graduate History Students. Due course of our programme, my institution will guide and teach students in the fields of excavations, Explorations, Museology and Epigraphy. I will guide students for conservation of Monuments and Importance of our Glorious Heritage in the series of Guest Lectures. I will invite students to Field whenever Excavations and explorations are happen.

Thanking you Madam

J. Vo alugroro

Yours Faithfully,

ASSISTANT DIRECTOR
AS.P.GOVT. MUSEUM & R.L.

ACCYNINAY

MEMORANDOM OF UNDERSTANDING (MoU) Department of Botany

Between S.V.R.K. Govt. Degree College(M), Nidadavole, W.G.Dt, Andhra Pradesh

SVD. Govt.Degree College(Women), Nidadavole, W.G.Dt, Andhra Pradesh

This MoU is Between Departments of Botany, S.V.R.K. Govt. Degree College (M), Nidadavole, W.G.Dt. Andhra Pradesh and SVD. Govt. Degree College (Women), Nidadavole, W.G.Dt, Andhra Pradesh from 1st June 2018.

It is agreed to have mutually beneficial activities between the two departments. The college will be able to impart quality education to the students by exposing them to the allied areas for the value addition to the topics prescribed in the syllabus and providing opportunity to the students for learning new techniques that are involved for self-employment of the students. The external department also can utilize the services of the college faculty and students in conducting its extension programmes.

Both the institutions have agreed to explore and utilize the expertise, Guidance and cooperation on the following activities:

- 1. Organization of Seminars/Conferences/Workshops and Training Programme etc.
- 2. To assist in various research Projects / Field work concern.
- 3. Exchange of Resource persons for their expert lecture.

From:

Department of Botany, S.V.R.K. Govt. Degree College(M),

Nidadavole, W.G. Dt., Andhra Pradesh.

p.s.s. Scowarthing.

PRINCIPAL (FAC)

SVRK GOVI. DEGREE COLLEGE (M)

SVD Govt. Degree College

Nidadavole, W.G. Dt., Andhra Pradesh.

NIDADAVOLE

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S.V.R.K.GOVERNMENT DEGREE COLLEGE Nidadavole – 534 301, West Godavari District, AP Botany Department

M.O.U with

AICRP on Integrated Farming Systems Scheme, Division of Agronomy Regional Agricultural Research Station, Maruteru- 534 122, W.G.Dist.

Date: 03-02-2021

In accordance with the desire to take guidance of experts the Department of Botany of this college wants to enter into this formal M.O.U of collaboration in the form of linkage with AICRP on IFS Scheme, Division of Agronomy, Regional Agricultural Research Station, Maruteru, West Godavari District, Andhra Pradesh.

The institution has agreed to explore and utilize the expertise, Guidance and cooperation for the following purposes.

- 1. Organization of Seminars/Conferences/Workshops and Training Programme etc.
- To assist in various research Projects.
- 3. To give Guest Lectures in this institution.

It is understood that the details of these activities are for utilization of results achieved, arrangement for specific rights and all other forms of cooperation will be handled as per mutual arrangement for any other specific case.

N. Venkateswara 262

PRINCIPAL
S.V.R.K. Govt. Degree College
Nidadavole, West Godavari Dist.

Senior Scientist (Agronomy) & Head AICRP on Integrated Farming Systems Regional Agricultural Research Station MARUTERU - 534 122, West Codavari Dt, AP