S.R.R. & C.V.R. Government Degree College (A)

An Autonomous & ISO 9001: 2015 Certified Institution:: Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band in NIRF 2019 NAAC accredited Institution with grade B+ with C.G.P.A 2.6 during March, 2017

Machavaram, Vijayawada, Krishna District, AP-520 004

INTERNATIONAL WEBINAR
26.3.2022

DEPARTMENT OF BOTANY

SRR & CVR Government Degree College

An Autonomous & ISO 9001: 2015 Certified Institution:: Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band in NIRF 2019 NAAC accredited Institution with grade B+ with C.G.P.A 2.6 during March, 2017

Machavaram, Vijayawada, Krishna District, AP-520 004

DEPARTMENT OF BOTANY

Date	**26.3.2022**
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	**Department**
Nature of activity (seminar/Workshop/Extn. Lecture etc.	**International Webinar**
Title of the Activity	**“ Recent Advances in Proteomics and Agricultural Biotechnology”**
Name of the Department/Committee	**Department of Botany**
Details of Resource Persons (Name , Designation etc.,)	**B.SC BZC Students**
No of students and Faculty participated	**300**
Name of the Lecturers who planned & conducted the activity	**Planned and Organized by** **Ms G.Swapna, Lecturer In Charge** **Mrs V.N. Padmavathi , Lecturer in Botany** **Dr Ch. Srinivasa Reddy , Lecturer in Botany** **Mrs I. Prasanthi , Guest Lecturer**

Department of Botany, SRR & CVR Govt DegreeCollege Organized a one day International Webinar entitled " Recent Advances in Proteomics and Agricultural Biotechnology" on 26.3. 2022 from 10.00 am to 2.00 pm .

S.R.R & C.V.R GOVT. DEGREE COLLEGE (A)

MACHAVARAM, VIJAYAWADA

KRISHNA DISTRICT, ANDHRA PRADESH

DEPARTMENT OF BOTANY

INTERNATIONAL WEBINAR ON

RECENT ADVANCES IN PROTEOMICS & AGRICULTURAL BIOTECHNOLOGY

Chief Patron
Dr. Pola Bhaskar,
IAS,Commissioner,
Commissionerate of Collegiate Education

Guest of Honour
Dr. Ch. Tulasi Mastanamma
AGO, CCE
A.P-Vijayawada

Chairperson
Dr. K. Bhagya Lakshmi
Pricipal

Dr. Nagaraja Suryadevara
School of Biosciences
Faculty of Medicine,
Bioscience and Nursing
MAHSA University,
Malaysia.

Dr. D. V. N. Sudheer Pamidimarri
Associate Professor,Scientist,
Dept. of Industrial Biotechnology,
Gujarat Biotechnology University,
Gujarat, India

Dr. Sushma Chauhan
Assistant Professor and Research Coordinator
Amity Institute of Biotechnology, Amity University Chhattisgarh, India

Topic:
Nano Technology in Agriculture

Topic :
Lab to Industry:
Advanced Biotechnology tools to assist Industry

Topic :
Circular proteins:
Classic proteins with modern applications

Convener
Ms. G. Swapna
Incharge, Dept. of Botany

Co-Convener
Mrs. V. N. Padmavathi
Lecturer in Botany

Organizing Secretary
Dr. Ch. Srinivasa Reddy
Lecturer in Botany

Date & Time
26th March 2022
10 AM- 2 PM
Registration Free

Registration link:
https://forms.gle/qnqZSi5qNqDqCqCV7
Zoom link:
https://us02web.zoom.us/u/kcKp4LIxp
Telegram link:
https://t.me/+tVLEoYQ1D1A0MDc1

Context of this Webinar :

Coming to the context and theme of this webinar, the theme is focussed on Proteomics and Agricultural Biotechnology. Globally currently with less availability of arable land, and water, Agricultural Produce is unable to meet the food demands of the growing population .

A viable solution to release this pressure and to close the wide gap between supply and demand , is to speed up the plant breeding process by employing biotechnology in breeding programs. Biotechnology provides the capabilities to breeders to achieve certain goals that would otherwise be impossible through conventional plant breeding approaches.

Currently Significant progress has been made in recent years in proteomics in comprehending different areas of agricultural sciences. Proteomics increases the functional diversity and complexity and plays an essential role in regulating numerous cellular and physiological processes. With the advanced proteomics technologies and tools, it has proven to be an indispensable tool with plant-pathogen interaction, metabolic regulation and stress responses. Nevertheless,proteomics has many challenges ahead.

Proteomic methods are important for understanding stress tolerance mechanisms in plants, because genomic sequence information alone does not reveal how a plant interacts with the environment. Therefore, proteomics,together with genome sequence data of major crops, especially rice, maize, and wheat, has emerged as a new paradigm to provide mechanistic understanding of various plant molecular processes.

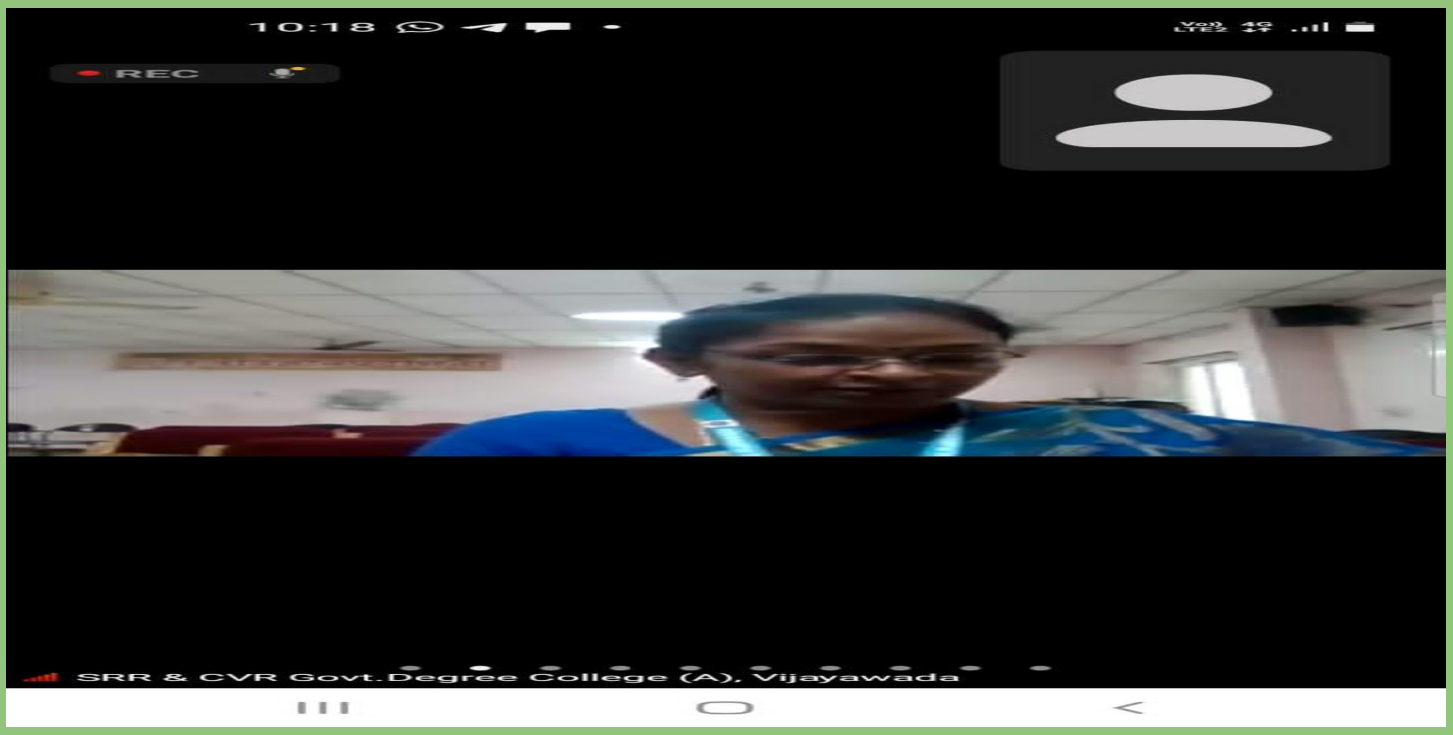
With all the strong advanced proteomics techniques and bioinformatics tools, there has been significant improvement in plant proteomics studies in the past few years. This paradigm shift has increased the ability to recognise plant-pathogen interaction, disease resistance and stress responses. In response to environmental changes, proteomics plays an essential role in supportin numerous critical cellular and regulatory mechanisms in crops.

The integration of proteomics into the field of crop science in this post-genomic period will definitely enrich the efforts of genome annotation and promote the creation of crop models for the elucidation of gene functions affecting phenotypes for field crop performance.

Recent advances in plant proteomics , bioinformatics , availability of high-quality proteomics data and deep learning algorithms holds great promise in providing significant insights into the regulat mechanisms such as response to abiotic stresses. Rapid progress in crop proteomics through ne biotechnological methods , omics technologies also hopefully will help in increasing crop quality achieve food production targets by 2050 and ensure sustainable Agriculture

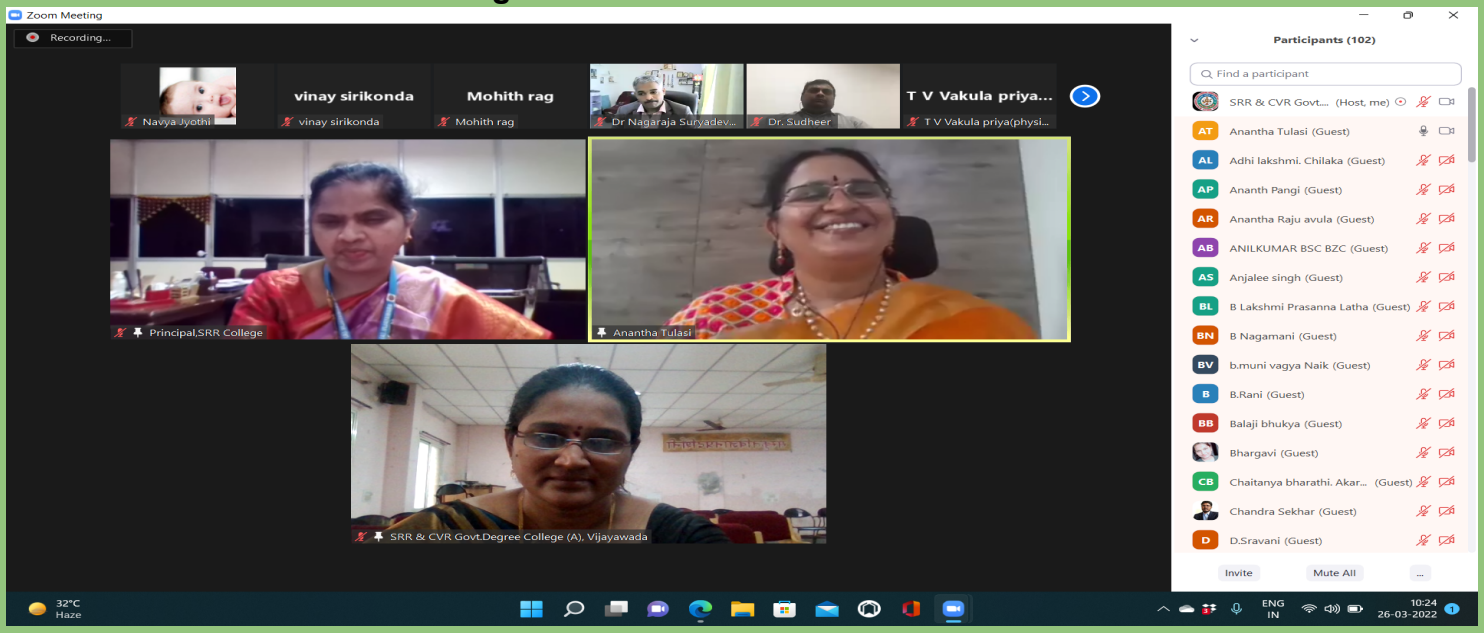
Webinar Report :

Webinar Flyer was released at 9. 30 am on 26.3.2022 by Honorable Principal Madam Dr K.Bhagya Lakshmi Garu and Department of Botany and Students .

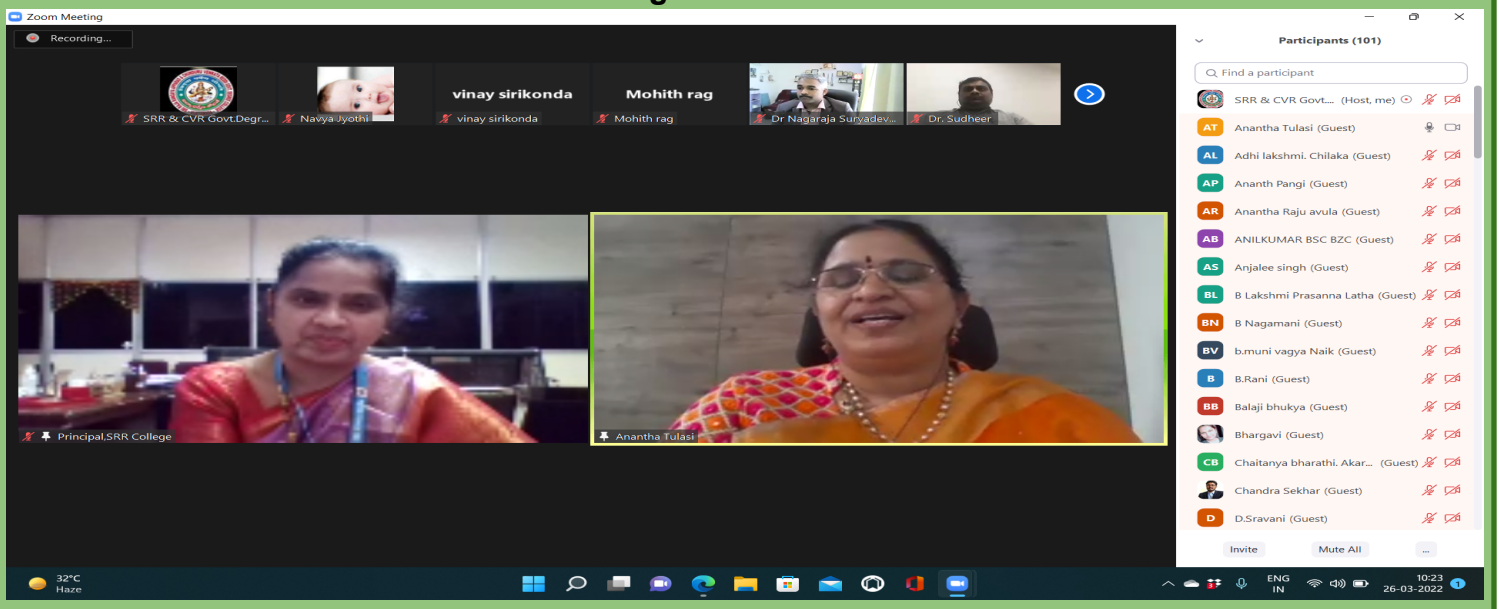


At 10.00 am this prestigious International Webinar was initiated with a warm Welcoming session by Mrs V.N. Padmavathi , Lecturer in Botany . Nearly 300 Participants throughout the world joined this webinar.

Later Keynote Address on this International Webinar was given by Ms G.Swapna , Incharge Department of Botany and welcomed Honorable Chairman Dr K.BhagyaLakshmi and Guest of Honor Dr K.Tulasi Mastanamma garu .



After the keynote address , Honorary Principal and Chairperson of this webinar Dr K. Bhagya Lakshmi garu Addressed the participants about the context of this webinar and gave her valuable remarks about the context and significance of this webinar.



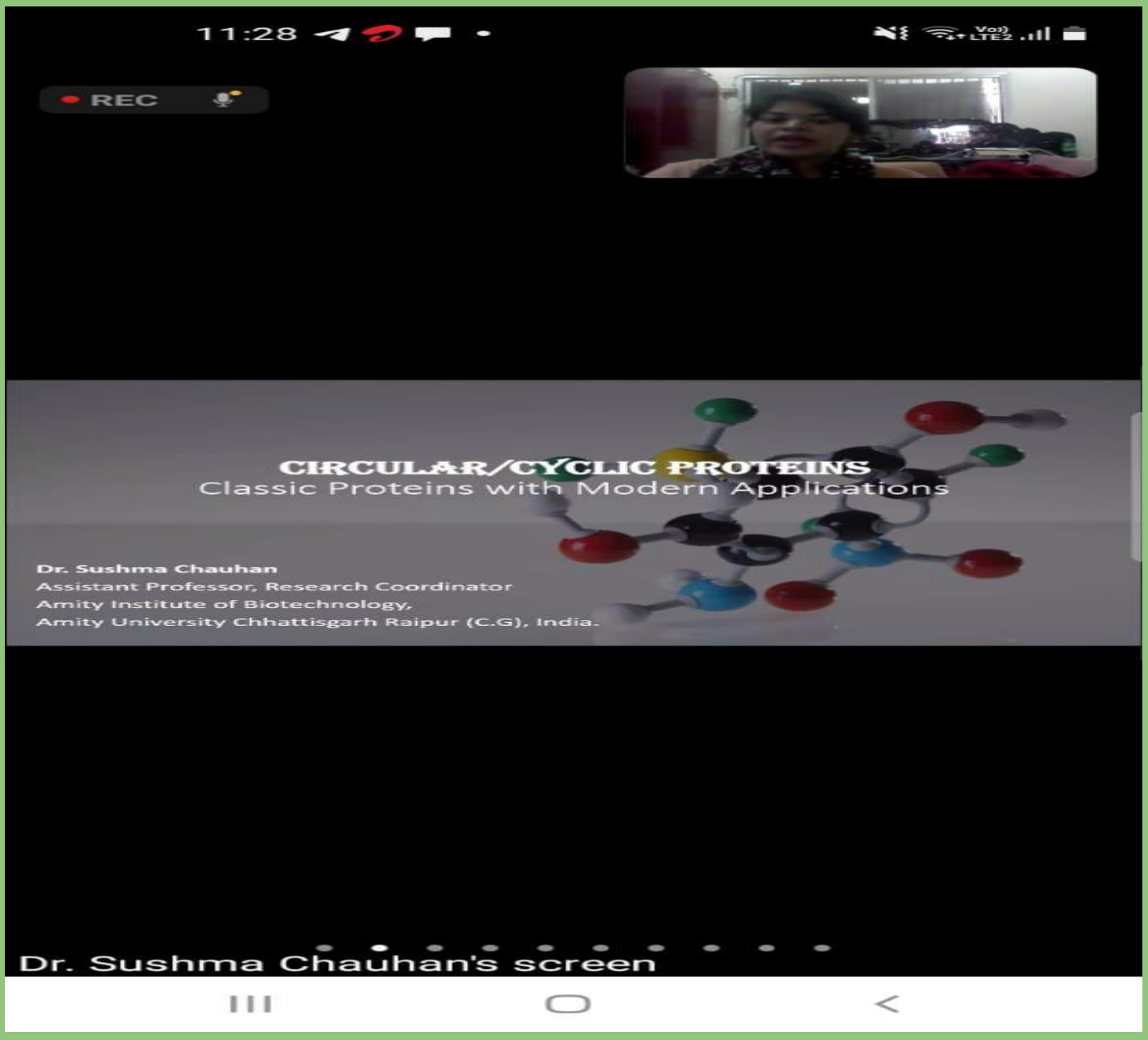
Later the Guest of Honor, Honorary AGO , CCE Govt of Andhra Pradesh Dr Tulasi Mastanamma garu conveyed her valuable message and congratulated the Department of Botany for Organizing this Webinar on Advanced Topics like Proteomics .

This webinar have eminent speakers like Dr Nagaraja Suryadevara sir from MAHSA university , Malaysia, Dr .D.V.N Sudheer sir from Gujarat Biotech University , Dr Sushma Chauhan madam from Amity university of Biotechnology , Chhattisgarh as Our Webinar Resource persons .

First Technical Session started by 10.45 Dr NagaRaja Suryadevara from MAHSA University , Malaysia delivered his presentation on nanotechnology and its Applications. Sir has explained about the Research going on in MAHSA University of Malaysia on nanotechnology and explained about several applications of nanotechnology for sustainable Agriculture in recent era .

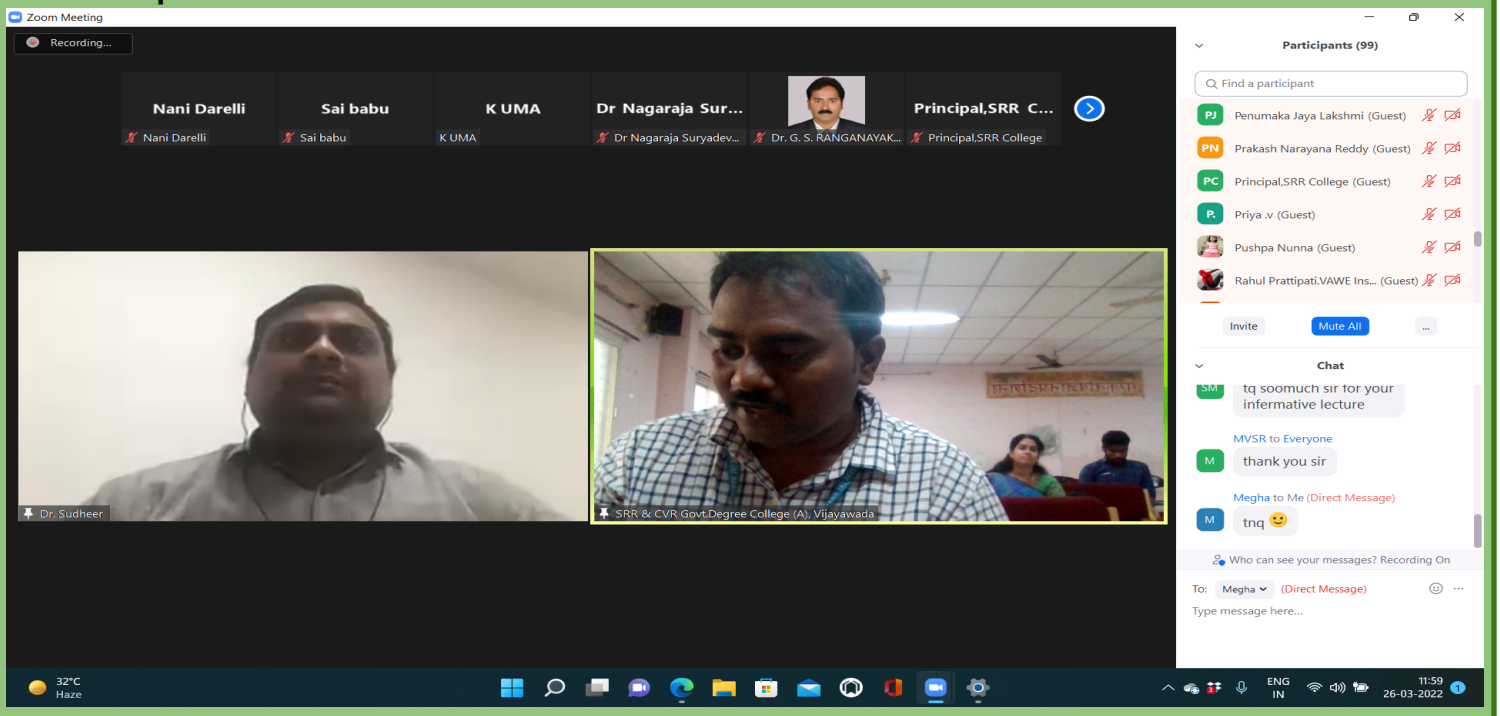
After the Interesting and Inspirational session , immediately there was a Question and answer session in which several Faculty and students interacted with Dr Suryadevara Nagaraja in which . Several Faculty and students interacted on his research work happening and applications.

Later Dr Sushma Chauhan Introduction was given briefly by Mrs V.N.Padmavathi, Lecturer in Botany . Second Technical Session commenced by 11.55 by Dr Sushma Chauhan from Amity University of Biotechnology , Chattisgarh. Madam spoke about "Circular Proteins : Classic Proteins with modern applications".She has explained about the Research happening on Classic Proteins and their applications .



After a very informative second session ,there was a Question and answer session in which several Faculty and students interacted with Dr Sushma Garu .

After the Second Session , Dr CH. Srinivasa Reddy , Lecturer in Botany Introduced the third Resource person Dr D.V.N Sudheere Garu .



At 12.45 Third technical Session commenced by 12.45 by Dr D.V.N Sudheer Garu from Dept of Industrial Biotechnology , Gujarat Biotechnology University , Gujarath . Sir delivered his Presentation on "Lab to Industry: Advanced Biotechnology tools to assist Industry ". He has explained about the interrelationships among Research Lab and Industry . After a very interesting Third session , there was a Question and answer session in which several Faculty and students interacted with Dr D.V.N Sudheer Garu .

After all the technical Sessions Vote of thanks was Proposed by Mrs I. Prasanthi , Lecturer in Botany . Webinar ended at 2.00 pm.

The webinar was very much successful with the active participation of faculty and students from various parts of the world and the Informative and Inspirational Talks given by the Resource persons and by the support of Honorable Principal Madam and Department of Botany Faculty Members.

Press Clipping on International Webinar

సాక్షి అమరావతి 3/5

పరిజ్ఞానం పొందేందుకు వెబినార్‌లు దోహదం

మధురానగర్(విజయవాడ సెంట్రల్): మాచవరం ఎస్ఆర్ఆర్ అండ్ సీవీఆర్ ప్రభుత్వ డిగ్రీ కళాశాలలో శనివారం వృక్షశాస్త్ర విభాగం ఆధ్వర్యాన వ్యవసాయ రంగంలో జీవ సాంకేతిక శాస్త్రం, ప్రోటియోమిక్స్ విభాగాల్లో ఇటీవల పురోగతి అనే అంశంపై అంతర్జాతీయస్థాయి వెబినార్ నిర్వహించారు. ప్రిన్సిపల్ డాక్టర్ కె.భాగ్యలక్ష్మి అధ్యక్షతన నిర్వహించిన వెబినార్‌లో ఉన్నత విద్య కమిషనరేట్ కార్యాలయం అకడమిక్ గైడెన్స్ ఆఫీసర్ డాక్టర్ సీహెచ్ తులసీ మస్తానమ్మ ముఖ్య అతిథిగా పాల్గొన్నారు. ఈ సందర్భంగా ఆమె మాట్లాడుతూ మారుతున్న కాలానుగుణంగా విద్యార్థులు పరిజ్ఞానం పొందడానికి ఇటువంటి వెబినార్‌లు దోహదం చేస్తాయని చెప్పారు. ఇంత మంచి కార్యక్రమం ఏర్పాటు చేసిన వృక్ష శాస్త్ర విభాగాధిపతి జి.స్వప్న, ప్రిన్సిపల్ డాక్టర్ కె.భాగ్యలక్ష్మిని అభినందించారు. అనంతరం మహీసా యూనివర్సిటీ మలేషియా నుంచి డాక్టర్ సూర్యదేవర నాగరాజు, గుజరాత్ బయోటెక్నాలజీ యూనివర్సిటీ నుంచి డాక్టర్ డీవీఎన్ సుధీర్, పమిజమర్రి, అమిటీ విశ్వ విద్యాలయం ఛత్తీస్‌ఘడ్ నుంచి డాక్టర్ సుష్మా చౌహాన్ ప్రసంగించారు. వ్యవసాయరంగంలో నానో టెక్నాలజీ పాత్ర, వలయాకార ప్రొటీన్‌లు– అనువర్తనాలు, పరిశ్రమల్లో జీవసాంకేతిక శాస్త్ర అనువర్తనాల గురించి వివరించారు. పలు దేశాలు, రాష్ట్రాల నుంచి సుమారు 300 మంది ఆచార్యులు, పరిశోధక, విశ్వవిద్యాల విద్యార్థులు పాల్గొని చర్చించారు. స్వప్న, అధ్యాపకులు వీఎన్ పద్మావతి, సీహెచ్ శ్రీనివాసరెడ్డి, ఐ ప్రశాంతి పర్యవేక్షించారు. అనంతరం ప్రిన్సిపల్ డాక్టర్ కె. భాగ్యలక్ష్మి చేతుల మీదుగా అవగాహన పోస్టర్లు ఆవిష్కరించారు.

పోస్టర్లు ఆవిష్కరిస్తున్న ప్రిన్సిపల్ డాక్టర్ కె.భాగ్యలక్ష్మి, వృక్షశాస్త్ర విభాగాధిపతి స్వప్న తదితరులు

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Machavaram, Vijayawada, Krishna District, AP-520 004

DEPARTMENT OF BOTANY

Vijayawada,
Dt: 21-03-2022

To

The Principal,
SRR & CVR GDC (A),
Vijayawada-04

Respected Madam,

We, the Department of Botany is organizing one day International Webinar on the topic entitled" **Recent advances in Proteomics and Agricultural Biotechnology"** on **26-03-2022** from 10.00 a.m. to 2.00 p.m. Hence we request you to permit us to use either Mini conference hall or Room number 208 whichever is available on the scheduled day.

Thanking you madam,

LOLL

Yours sincerely,

Swapna 21/3/2022

LECTURER IN CHARGE
Dept. of Botany
SRR & CVR GOVT. DEGREE COLLEGE
VIJAYAWADA-4, Krishna Dist.

(Ms. G. Swapna)
In-charge of the Department

S.R.R. & C.V.R. GOVT. DEGREE COLLEGE
(Autonomous)
NAAC accredited with 'B+' Grade
Machavaram, VIJAYAWADA - 520 004. Krishna District.
Cell : 9848251236 Ph : 0866-2430060, Fax : 0866-2441092, www.srrcvr.ac.in srrandcvr@gmail.com

Dr. K. Bhagya Lakshmi, M.Sc., M.Phil, Ph.D.
Principal

Date 17.3.2022

To

Dr Nagaraja Suryadevara
Assistant Professor
MAHSA University
Malaysia

Respected Sir

Sub: - Department of Botany- International Webinar - Permission –Request – Regarding.

We submit to inform that the SRR and CVR Government Degree College, Vijayawada ,Department of Botany has planned one Day Online International Webinar tentatively on 26.3 2022 on theme " Advances in protoplasmic and Agricultural Biotechnology " We invite you to be as one of the Resource Person for this seminar . Hence we request you to kindly accept our invitation . Soon we will mail the Brochure and the required information.

Thanking you Sir,

Yours Sincerely

17.3.2022
PRINCIPAL
SRR & CVR GOVT. DEGREE COLLEGE
(Autonomus)
Machavaram, VIJAYAWADA-520 004

ll the technical Sessions Vote of thanks was Proposed by Mrs I. Prasanthi , Lecturer in y . Webinar ended at 2.00 pm.

ebinar was very much successful with the active participation of faculty and students from s parts of the world and the Informative and Inspirational Talks given by the Resource ns and by the support of Honorable Principal Madam and Department of Botany Faculty ers.

Press Clipping on International Webinar

సాక్షి అమరావతి

3/5

రిజ్ఞానం పొందేందుకు వెబినార్‌లు దోహదం

రానగర్(విజయవాడ సెంట్రల్): మాచవరం ర్‌ఆర్ అండ్ సీవీఆర్ ప్రభుత్వ డిగ్రీ కళాశా శనివారం వృక్షశాస్త్ర విభాగం ఆధ్వర్యాన వ్యవ య రంగంలో జీవ సాంకేతిక శాస్త్రం, ప్రోటి మిక్స్ విభాగాల్లో ఇటీవల పురోగతి అనే అంశం అంతర్జాతీయస్థాయి వెబినార్ నిర్వహించారు. ్రిన్సిపల్ డాక్టర్ కె.బాగ్యలక్ష్మి అధ్యక్షతన నిర్వహిం వెబినార్‌లో ఉన్నత విద్య కమిషనరేట్ కార్యా పం అకడమిక్ నైజెన్స్ ఆఫీసర్ డాక్టర్ సీహెచ్ నీ మస్తానమ్మ ముఖ్య అతిథిగా పాల్గొన్నారు. సందర్భంగా ఆమె మాట్లాడుతూ మారుతున్న నుగుణంగా విద్యార్థులు పరిజ్ఞానం పొందడా ఇటువంటి వెబినార్‌లు దోహదం చేస్తాయని రు. ఇంత మంచి కార్యక్రమం ఏర్పాటు చేసిన శాస్త్ర విభాగాధిపతి జి.స్వప్న, ప్రిన్సిపల్ ర్ కె.బాగ్యలక్ష్మిని అభినందించారు. అనంతరం హసా యూనివర్సిటీ మలేషియా నుంచి డాక్టర్ ర్యదేవర నాగరాజు, గుజరాత్ బయోటెక్నాలజీ నివర్సిటీ నుంచి డాక్టర్ డీవీఎన్ సుధీర్, పమి శ్రి, అమిటీ విశ్వ విద్యాలయం ఛత్తీస్‌ఘడ్ నుం డాక్టర్ సుష్మా చౌహాన్ ప్రసంగించారు. వ్యవసా

పోస్టర్లు ఆవిష్కరిస్తున్న ప్రిన్సిపల్ డాక్టర్ కె.భాగ్య లక్ష్మి, వృక్షశాస్త్ర విభాగాధిపతి స్వప్న తదితరులు

యరంగంలో నానో టెక్నాలజీ పాత్ర, వలయాకార ప్రొటీన్‌లు– అనువర్తనాలు, పరిశ్రమల్లో జీవసాం కేతిక శాస్త్ర అనువర్తనాల గురించి వివరించారు. పలు దేశాలు, రాష్ట్రాల నుంచి సుమారు 300 మం ది ఆచార్యులు, పరిశోధక, విశ్వవిద్యాల విద్యార్థులు పాల్గొని చర్చించారు. స్వప్న, అధ్యాపకులు వీఎన్ పద్మావతి, సీహెచ్ శ్రీనివాసరెడ్డి, ఐ ప్రశాంతి పర్యవేక్షించారు. అనంతరం ప్రిన్సిపల్ డాక్టర్ కె. బాగ్యలక్ష్మి చేతుల మీదుగా అవగాహన పోస్టర్లు ఆవిష్కరించారు.

SRR & CVR Government Degree College

Machavaram, Vijayawada, Krishna District, AP 520 004

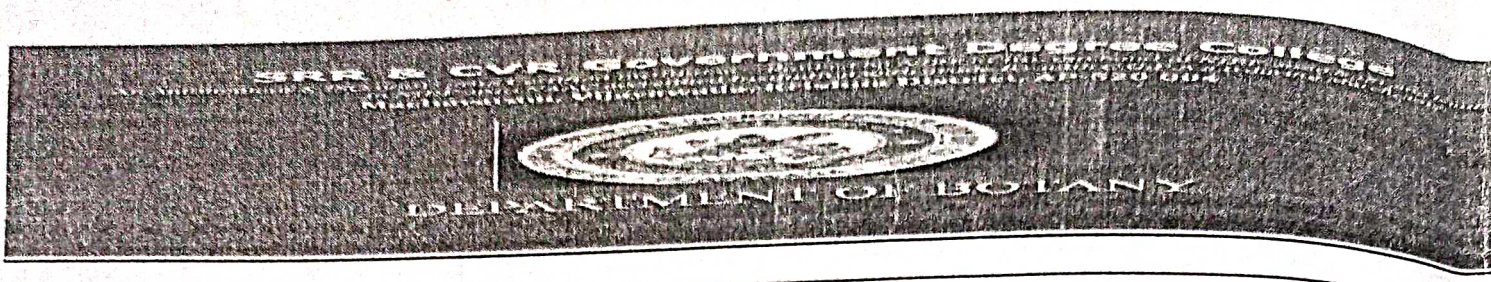
DEPARTMENT OF BOTANY

PRINCIPAL
SRR & CVR GOVT. DEGREE COLLEGE
(Autonomus)
Machavaram, VIJAYAWADA-520 004

LECTURER IN CHARGE
Dept. of Botany
SRR & CVR GOVT. DEGREE COLLEGE
VIJAYAWADA-4, Krishna Dist.

STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
	23-6-22	III BSC	20311203	B Prasad	Satisfactory
	23/6/22	III BSC	19311211216	Ku. B. Ratnakumari	Helpful
	23/6/22	III BZC	20311209	M. Gopi	Good.
	26/3/22	III BZC	19311221	P. Sony	useful
	23-6-22	III B.C.A.	20311254	Divya.	Good
	23/6/22	III BSC	19311215	T. Venkat	useful.
	23/6/22	III BZC	20311215	N. Manika	Satisfied
	23.6.22	III BZC	20311219	P Praveen	Okay
	23-6-22	III B.C.A.	20311208	Sandhya.	Useful.
	23-6-22	III B.Z.C.	20311225	Priyavanguri	Good
	23/6/22	III BSC	19311212	M Srinivas Rao	Good.
	23/6/22	III BZC	20311216	P. Bharat	Useful.
	23/6/22	III B.Z.C	20311229	Kota Hema	Good
	23-6-22	III B.Z.C.	20311206		Good.
	23/6/22	III B.Z.C	20311231	Ch. manikaba	Good
	23/6/22	III BSC	19311224	K. Mahendra	useful



STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
	26/6/22	II BSc	19311206	Ch. Navyasri	Useful
	23-6-22	II B.Sc	20311210	[illegible]	Good
	23/6/22	II BSc	19311215	M. Preethi	helpful
	23-6-22	II B.Sc	20311002	[illegible]	Good
	23-6-22	III B.Sc	19311217	J. Rajakumari	Good
	23/6/22	II BSc	20311019	Rajavathi	satisfied
	23/6/22	II B.Sc	19311212	M. Srinivas	Good
	23-6-22	II B.Sc	20311208	[illegible]	useful
	23-6-22	II B.Sc	20311201	C. Divya	Good
	26/6/22	II BSc	19311225	P. Vanguri	helpful
	23-6-22	II B.Sc	20311003	[illegible]	Good
	23/6/22	II BSc	20311009	Mani Vidya	satisfied
	23-6-22	II B.Sc	20311205	[illegible]	Good
	26/6/22	II BSc	19311232	B. Bhargavi	helpful
	23-6-22	II B.Sc	19311210	G. Durgaprasad	Good
	23-6-22	II B.Sc	20311001	[illegible]	Good