

**sru**

SCHOOL OF  
AGRICULTURE

# Newsletter

VOLUME -03 | JUNE - DECEMBER 2024  
(Revolutionize the Farm Education)

SCHOOL OF AGRICULTURE



## Academic Collaborations





## Editors:



Dr. Y. Sudhamini



Dr. Tithli Sadhu



Dr. N. Gopal Wasudeo

## Published by



**Dr. G. Bhupal Raj**

Dean, School of Agriculture  
SR University

## **Inside this issue:**

1. Dean's Message
2. Assoc. Dean's Message
3. Head's Message
4. Faculty Insights
5. Overview of Achievements of SoA June-December 2024
6. MoU signed
7. Expert Visits organized
8. Orientation & Deeksharambh Program
9. Convocation
10. Special Days Celebration
11. Different programs conducted
12. Industrial Visit
13. ELP and RAWEP activities
14. Achievements of students- Placement and Internships
15. Achievement of Faculty-Faculty Honors, Awards and Recognitions
16. Publication (Research Article, Patent, Books, Book Chapter, Popular Article, Blogs)
17. Lecture Video Published on Social Media
18. Media Coverage



**"Cultivate Your Potential,  
Harvest Your Dreams"**

**Dr. G. Bhupal Raj**

Dean, School of Agriculture

## Dean's Message

Dear Esteemed Readers,

I am delighted to share the key highlights of the School of Agriculture's journey during the period from June to December 2024. This newsletter captures the collective achievements, innovations, and dedication of our faculty, students, and staff.

During this period, we have strengthened our academic and industry collaborations through multiple MoUs, enabling new learning opportunities. Our faculty members have been recognized for their outstanding contributions, serving as resource persons and receiving prestigious awards and published their research articles and patents. The successful conduct of expert lectures, training programs, and workshops has enriched the academic environment.

Our students continue to make us proud through internships, research engagements, and industrial visits, enhancing their practical knowledge. The Exposure Visits and Agro-Industrial Attachments have provided them with firsthand experience in modern agricultural practices. Additionally, the publication of research articles highlights our commitment to advancing knowledge in agricultural sciences.

We also celebrated important events, including the Orientation and Convocation ceremonies, along with cultural and national festivities, fostering a sense of belonging and tradition. I extend my heartfelt appreciation to the faculty, students, and all stakeholders for their relentless efforts and achievements. As we move forward, we remain committed to academic excellence, innovation, and contributing to the future of sustainable agriculture.

Warm Regards,

**Dr. G. Bhupal Raj**

Dean, School of Agriculture  
SR University





## Dr. Tithli Sadhu

Assistant Professor and Associate Dean  
Department of Biochemistry &  
Department of Food Science and Technology

### Associate Dean's Message:

Dear Readers,

It is with great enthusiasm that I present to you the latest edition of our School of Agriculture newsletter, highlighting the remarkable strides we have made over the past six months. This period has been filled with academic advancements, research contributions, and experiential learning opportunities that continue to shape the future of our students.

Our commitment to fostering a holistic learning environment is evident through the numerous industrial visits, exposure trips, and hands-on training sessions conducted. These initiatives bridge the gap between theoretical knowledge and real-world agricultural challenges, ensuring that our students are industry ready.

The faculty's dedication to academic excellence is commendable, with several members being honored for their contributions as resource persons and researchers. Their unwavering commitment to knowledge dissemination and innovation strengthens our institution's reputation in the field of agricultural education.

Additionally, our students have excelled in placements, internships, and research endeavors, proving that the skills and values imparted at our institution translate into real-world success. The signing of key MoUs and collaborations with esteemed organizations further reflects our vision of integrating global expertise into our curriculum.

As we celebrate these milestones, I express my sincere gratitude to our faculty, students, and industry partners for their continuous support and enthusiasm. Let us continue working together to push the boundaries of agricultural education and research.

Best Regards,

A handwritten signature in black ink that reads "Tithli Sadhu". The signature is written in a cursive, flowing style.

**Dr. Tithli Sadhu**

Associate Dean,  
School of Agriculture  
SR University



# Dr. M. Mohana Keerthi

Assistant Professor and Head  
Department of Agronomy

## Head's Message:

Dear Students, Faculty, and Stakeholders,

I am delighted to share the remarkable achievements of the School of Agriculture (SoA), SR University over the past six months (June 2024 - December 2024). Our collective efforts have strengthened our commitment to academic excellence, industry collaborations, and community engagement. More than 70 students have gained hands-on experience through attachments with leading agro-industries, while over 50 final year students secured internships at various ICAR Institutions and Pvt. Agro-industries, receiving monthly stipends. As part of the Rural Agricultural Work Experience (RAWE) Programme, final year students conducted over 100 field demonstrations, directly benefiting the farming community. Students actively participated in various events within and beyond SR University, successfully completing over 50 certifications and engaging in numerous club activities. All curricular and co-curricular achievements were systematically documented by students on the Gamification Portal, where they earned coins for their accomplishments. Through this initiative, outstanding students received Topper Awards from the Honorable Vice Chancellor, Dean, and Head of the School of Agriculture. The School of Agriculture has successfully implemented the ICAR Vith Deans' Committee syllabus and regulations for the 2024 admitted batch, ensuring a well-structured, industry-aligned, and entrepreneurship-driven curriculum.

Faculty members have actively participated in 60+ workshops, seminars, and faculty development programs (FDPs) and successfully completed 120+ certification courses aligned with emerging agricultural trends and departmental objectives. They have organized 5+ FDPs, workshops, and events for external participants, hosted 11 expert talks for students, faculty, and research scholars from various fields, and arranged 15+ industrial visits and field tours to state and national institutions for B.Sc. (Hons.) Agriculture students.

Faculty members received 10+ awards from reputed societies, institutions, and conferences and delivered 10+ invited talks at various government and private organizations. In addition, they have published 30+ popular articles across diverse agricultural specializations, created and published 40+ teaching videos on YouTube to benefit students, farmers, and other stakeholders, and have been highly active on LinkedIn, with 1,500+ posts and 45+ blogs published in the past six months.

Faculty and Ph.D. scholars have made significant contributions to research, publishing 20+ Scopus-Indexed research / review papers, 5+ books and published 10+ Design and Utility patents in innovative agricultural technologies and methodologies. These achievements reflect the dedication, perseverance, and passion of our students, faculty, and scholars in shaping the future of agriculture.

I extend my sincere appreciation to everyone who contributed to this journey. As we continue on this path of innovation and excellence, I look forward to even greater accomplishments in the coming months.

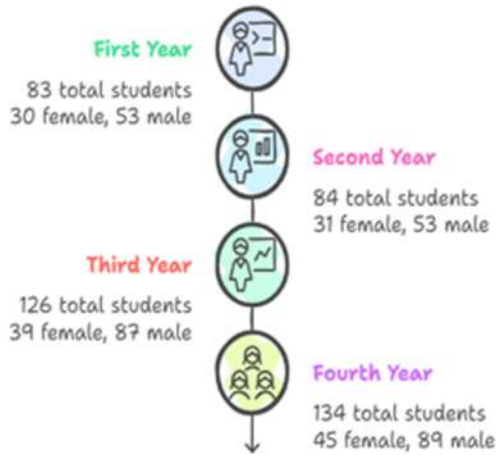
**M. Mohana Keerthi**

Head, School of Agriculture  
SR University



# School of Agriculture, SR University at a Glance

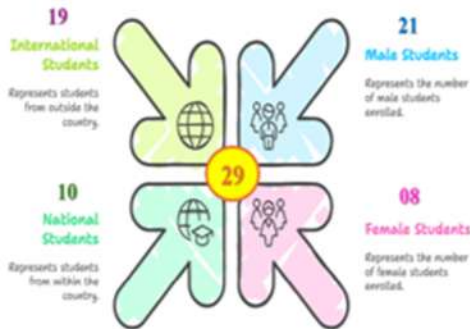
## Under Graduate Students



## Teaching Staff at SoA



## P.G. Students



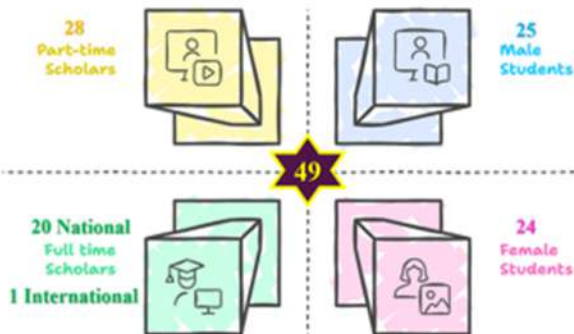
## Non Teaching Staff



## Agricultural Alumni



## Ph.D. Students



## Successful Career Opportunities



## Academic Contributions



## Faculty Insights:

# Welcome ONBOARD



**Dr. Guda Bhargavi**  
Assistant Professor  
Agronomy

We are delighted to announce that Dr. Guda Bhargavi has joined us as an Assistant Professor in the Department of Agronomy. Dr. Bhargavi completed her Ph.D from Annamalai University, Chidambaram. With over 6 years of experience in teaching and research, her expertise lies in the fields of Weed management, nutrient management, Nanocapsulation, Nanoparticle synthesis, characterization and biosafety studies.

We are excited to welcome her to our team and look forward to her contributions.



**Dr. Ningoraj Belagalla**  
Assistant Professor, Entomology

We are delighted to announce that Dr. Ningoraj Belagalla has joined us as an Assistant Professor in the Department of Entomology. Dr. Ningoraj completed his Ph.D from Punjab Agriculture University, Ludhiana. With over 8 years of experience in teaching and research, his expertise lies in the fields of Expertise in Insect Physiology and Biocontrol. We are excited to welcome him to our team and look forward to his contributions.



**Dr. G. Venkatasubba Reddy**  
Assistant Professor  
Agricultural Microbiology

We are delighted to announce that Dr. G. Venkatasubba Reddy has joined us as an Assistant Professor in the Department of Microbiology. Dr. Subba Reddy completed his Ph.D from Sri Krishnadevaraya University, Anantapuramu. With over 11 years of experience in teaching and research, his expertise lies in the fields of Biodegradation and Bioremediation, Microbial Production of Enzymes & Bioenergy, Plant Microbe interactions. We are excited to welcome him to our team and look forward to his contributions.



**Dr. Navyashree R**  
Assistant Professor  
Crop Physiology

We are delighted to announce that Dr. Navyashree R has joined us as an Assistant Professor at School of Agriculture. Navyashree completed her Ph.D. from University of Agricultural Sciences, Dharwad, Karnataka. We are excited to welcome her to our team and look forward to her contributions.



## Department of Agronomy

Name	Designation
Dr. G. Bhargavi	Assistant Professor & HoD
Dr. M. Mohana Keerthi	Assistant Professor
Ms. Pooja Srivastav	Assistant Professor
Ms. B. Sai Divya	Assistant Professor
Mr. Ch. Suchith Kumar	Assistant Professor
Ms. M. Sravya	Assistant Professor

## Dept. of Genetics & Plant Breeding and Crop Physiology

Name	Designation
Dr. N. Gopal Wasudeo	Assistant Professor & HoD
Dr. Navyashree R	Assistant. Professor

## Dept. of Soil Science and Agricultural Chemistry, Plant Biochemistry & Food Science

Name	Designation
Dr. G. Bhupal Raj	Professor
Dr. P. Vaibhav Bhagwan	Assistant Professor & HoD
Dr. Ravali Reddy	Assistant Professor
Ms. K. Lakshmi Prasanna	Assistant Professor
Dr. Tithli Sadhu	Assistant Professor

## Dept. of Entomology

Name	Designation
Dr. Rathod Lalsingh	Assistant Professor & HoD
Dr. Ningraj Belagall	Assistant. Professor

## Dept. of Horticulture and Post Harvest Technology

Name	Designation
Dr. Boda Somraj	Assistant Professor & HoD
Dr. B. Srinu	Assistant. Professor

### Dept. of Plant Pathology and Microbiology

Name	Designation
Dr. D. Gireesha	Assistant Professor & HoD
Dr. G. VenkataSubba Reddy	Assistant. Professor

### Dept. of Agricultural Engineering and Veterinary Sciences

Name	Designation
Dr. K. Praveen	Assistant Professor & HoD
Mr. T. Saikrishna Reddy	Assistant. Professor

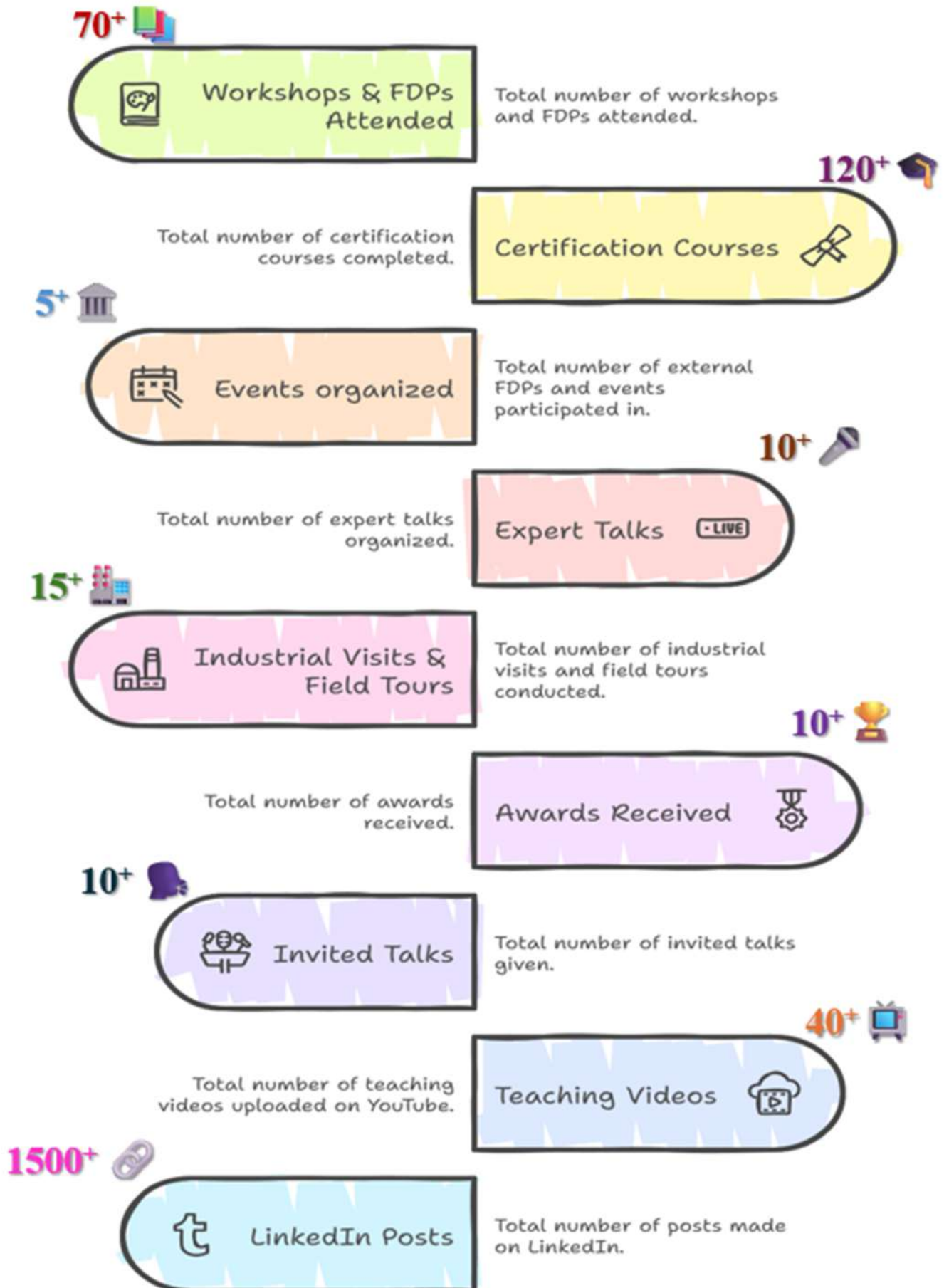
### Dept. of Agricultural Extension & Communication and Agri-Economics

Name	Designation
Mr. G Sriker Reddy	Assistant Professor & HoD
Dr. B. Naresh	Assistant Professor
Dr. Y. Sudhamini	Assistant Professor
Dr. B. Vijay Kumar	Assistant Professor
Mr. Karthik HP	Assistant Professor



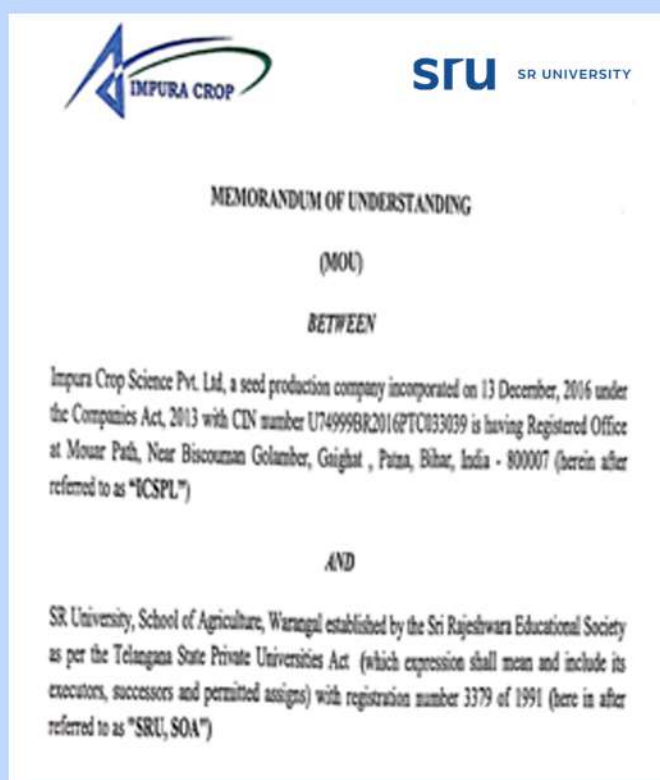
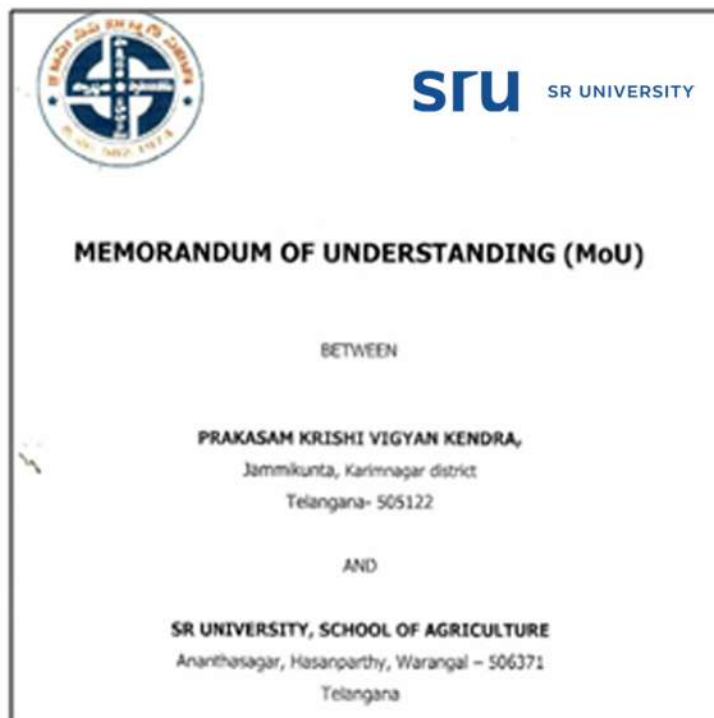
# Overview of Achievements of SoA June-December 2024

## Professional Achievements



# Strengthening Collaborations: MoU Signed for Future Innovations

MoU signed with **Prakasham Krishi Vignan Kendra (ICAR)** On 03-07-2024



**MoU Signed with Impura Crop Science Pvt Ltd, Patna, Bihar** On 25-07-2024



MoU Signed with **Mystik Minds** on 12-08-2024



## **SR University signed an MOU with Mystik Minds across all the schools.**



### Memorandum of Understanding between

**ICAR - Indian Institute of Rice Research (IIRR), Hyderabad**  
and  
**SR University, School of Agriculture, Warangal**  
for facilitating  
**Students' Training/Postgraduate Research**

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this 15<sup>th</sup> day of the month of **September** in the year 2024 by and between the **ICAR-Indian Institute of Rice Research**(hereinafter referred to as **ICAR-IIRR, First Party**) having its Head Office at **Hyderabad**(hereinafter called **First party**), a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110 001 on the ONE PART and the **SR University, School of Agriculture** as educational and research institution established as per the **Telangana State Private Universities Act** with registration No. 3379 of 1991 by **Sri Rajeshwara Educational Society** having its registered office at **Warangal**, hereinafter referred to as **SRU, SOA** which expression shall unless repugnant to the context shall mean and include all its legal representatives, attorneys, etc., represented by its **Registrar, SR University**, hereinafter called "**SRU, SOA**") **Second party**) on the **OTHER PART** (who for the purpose of this MoU are hereinafter collectively referred to as the parties).



MoU signed with  
**ICAR-INDIAN INSTITUTE OF  
RICE RESEARCH (IIRR)**

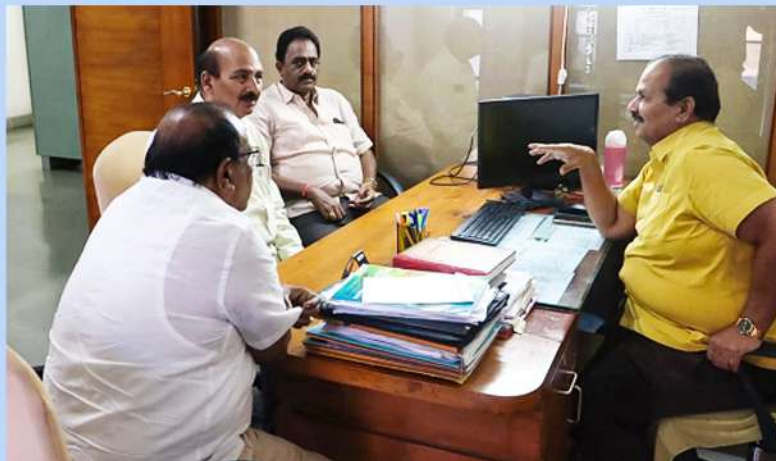
On 13-09-2024



## Global Expertise: Expert Visits & Shared Insights



Sri Pankaj Reddy, Legal Advisor, SR University visited SoA and discussed about his MAHIDHARA Farmer Producer Organization ( FPO)



Sri Kadiri Pardhasaradhy, Secretary and Correspondent and his group, KBR College of Agriculture and Horticulture, Kanigiri Andhra Pradesh visited School of Agriculture, SR University and appreciated offering of Ph.D., PG programs and farm activities.



New Beginnings: Welcoming Our Freshers at the Orientation Program  
Orientation for 1st year students (Batch:2024-2028) and Deeksharambh Program



**పరిమిత భూమి నుంచి అభికోత్పత్తిని సాధించాలి : వరదారెడ్డి**



అన్నారు. ఎన్.ఆర్. యూనివర్సిటీ వ్యవసాయ కళాశాలలో ప్రథమ సంవత్సర విద్యార్థులకి ఓరియంటేషన్ సమావేశాన్ని నిర్వహించారు. ఈ సందర్భంగా వ్యవసాయ కళాశాల డీన్ జి భూపాల రాజ్ అధ్యక్షతన జరిగిన సమావేశంలో వరదారెడ్డి మాట్లాడుతూ వ్యవసాయ కళాశాలలో కొత్తగా చేరిన ప్రథమ సంవత్సర విద్యార్థులు కళాశాల వసతులను అందుబాటులో ఉన్న అవకాశాలను సద్వినియోగం చేసుకోవాలని కోరారు. రిజిస్ట్రార్ ఆర్సనరెడ్డి మాట్లాడుతూ, ఎన్.ఆర్. యూనివర్సిటీ లో విద్యార్థులకు అన్ని ఆధునిక వసతులు కల్పిస్తున్నామని అన్నారు. 140 కోట్ల మంది ప్రజలకు ఆహారాన్ని అందించడం లో వ్యవసాయ శాస్త్రవేత్తలు కీలక భూమిక పోషిస్తారని భూపాల రాజ్ అన్నారు.

ఎన్ఆర్ వ్యవసాయ కళాశాలలో ఓరియంటేషన్ సమావేశం

హనన్ పర్తి, ఆక్టోబర్ 23 (ఆంధ్రప్రదేశ్) పరిమిత భూమి నుండి అభికోత్పత్తిని సాధించడంలో వ్యవసాయ శాస్త్రవేత్తలు కీలక పాత్ర వహిస్తారని ఎన్ఆర్ యూనివర్సిటీ చాన్సలర్ వరదారెడ్డి



SR University's School of Agriculture - Valedictory Session of Deeksharambh





# SRU

I am  
*Graduated*



University medal winners of the  
2<sup>nd</sup> Convocation held on  
3<sup>rd</sup> August 2024

**G. Srivani**

Gold Medal

**M J Christiana Jones**

Silver Medal

**Y. Sumith Bhargav**

Bronze Medal

Celebrating Success: **Honoring Our Graduates at the Convocation Ceremony**





# Special Days Celebrated



World Environment Day



Teachers Day



Childrens' Day



Independence Day



Bathukkamma Festival Day



Farewell Day to International Post Graduate Students





**World Soil Day celebrated on 05<sup>th</sup> December 2024**



**అస్సార్ అగ్రికల్చరల్ నేల దినోత్సవం**

పరిశుభ్రమైన ప్రాథమిక విజ్ఞానం అభివృద్ధిని ప్రోత్సహించే లక్ష్యం. ఈ కార్యక్రమంలో ప్రముఖ శాస్త్రవేత్త డా. ఎ. కె. భాస్కర్ రెడ్డి మాట్లాడుతూ నేలను సురక్షిత శక్తిగా మేలుగా ఉపయోగించే విధంగా అభివృద్ధి చేయాలని కోరారు. ఈ కార్యక్రమంలో ప్రముఖ శాస్త్రవేత్త డా. ఎ. కె. భాస్కర్ రెడ్డి మాట్లాడుతూ నేలను సురక్షిత శక్తిగా మేలుగా ఉపయోగించే విధంగా అభివృద్ధి చేయాలని కోరారు.

**National Farmers Day on 23<sup>rd</sup> December 2024**



Felicitation to the farmers on the occasion of National Farmer's Day 23-12-2024 Celebrations at School of Agriculture, SR University followed by field visit to SRU Instructional farm.



**Celebration of New Year 2025 by Faculty at School of Agriculture – SRU on 31<sup>st</sup> December 2024**





# Different Programs (Workshop/Training Program/Conference/BoS meeting) Conducted

Online Agripreneurship training to B.Sc.Agriculture final year students on 27<sup>th</sup> and 28<sup>th</sup> July 2024

**KISAN GOSTI**  
conducted on 30<sup>th</sup> June 2024

సూక్ష్మ అఫ్ అగ్రికల్చర్, ఎస్ ఆర్ యూనివర్సిటీ, వరంగల్

ఆహ్వానం

# KISAN GOSTHI

కిసాన్ గోష్ఠి

Date : 30 JUNE 2024(10AM TO 4PM)  
Venue: SRUX Auditorium SR University  
Agricultural Instructional Farm

CONVENOR:  
**Dr. G BHUPAL RAJ**  
Dean, School of Agriculture

COORDINATORS  
Dr. BIJENDRA KUMAR Assoc. Professor  
Dr. B. SOMRAJ Asst. Professor  
Mr. G. SRIKER REDDY Asst. Professor

AgMatrix Empowering Agripreneurs.

AgMatrix in association with CII ,MPKV ,RAHURI, VNMKV, PARBHANI, GBPAUT, PANTNAGAR & NRLM, Government of India Jointly Organizes

## AGRIPRENEURSHIP 2.0

Agribusiness Matters

Certificate Program on Innovative Agripreneurship and GOI Initiatives

**DURATION-**  
27 th and 28th July 2024  
( SAT-SUN )  
9.00 AM TO 2.00 PM  
**10 HRS COURSE**

ENROLL NOW

9970787355  
9028090055  
WWW.AGMATRIX.IN ZOOM

Scan QR to Register



AgMatrix Empowering Agripreneurs.

AgMatrix in association with CII ,MPKV ,RAHURI, VNMKV, PARBHANI, GBPAUT, PANTHAGAR and NRLM, Government of India Jointly Organizes

## AGRIPRENEURSHIP 2.0

3-day workshop on No Code AI for Agricultural Professionals and Students from 12<sup>th</sup> to 14<sup>th</sup> August 2024

# SRU

SCHOOL OF AGRICULTURE

## 3-DAYS WORKSHOP ON NO-CODE AI FOR AGRICULTURE PROFESSIONALS AND STUDENTS

VENUE: ECE SEMINAR HALL  
12-08-2024 TO 14-08-2024





# National Training PROGRAM

"21 days National Training- Cum -Workshop on Livestock, Aquaculture, and Sustainable Agricultural Practices"

**OUR TRAINING COMPONENT:**

- Poultry Farming
- Goat Farming
- Pisciculture
- Sericulture
- Pearl Culture
- Apiculture
- Hybridization
- Tissue Culture
- Artificial Insemination
- Livestock Disease Management
- Mushroom Cultivation
- Food Processing
- Agroforestry Management

MEADOW AGRICULTURE SR UNIVERSITY

SCAN & REGISTER

08069640418, 8708886307, 6202451561 [www.meadowagriculture.in](http://www.meadowagriculture.in)

# Training On Mushroom Farming

"21 days National Training- Cum -Workshop on Livestock, Aquaculture, and Sustainable Agricultural Practices"

**01-21 DECEMBER 2024**

Organised By-  
Karnataka Veterinary, Animal & Fisheries Science University, Veterinary College Hassan, Meadow Agriculture, S R University.

SCAN & REGISTER

08069640418, 8708886307, 6202451561 [www.meadowagriculture.in](http://www.meadowagriculture.in)

HARD COPY OF CERTIFICATE

# INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES IN AGRICULTURE AND ALLIED SCIENCES (ETAAS-2024)

(VIRTUAL MODE)

ORGANIZED BY  
Society for Agriculture, Allied Sciences and Technology (SAAST), Odisha  
In association with  
School of Agriculture, SR University, Warangal and  
Meadow Agriculture Pvt. Ltd., Uttar Pradesh

**Date: 10th - 11th August, 2024**

CONTACT FOR MORE INFORMATION

+91 7205744172 [eventsaaast@gmail.com](mailto:eventsaaast@gmail.com) [www.sabujeema.com](http://www.sabujeema.com) [www.saaast.in](http://www.saaast.in)

5<sup>th</sup> Board of Studies (BoS) meeting of SR University's School of Agriculture was held today at the University Conference Hall, Block 1 on 21/10/2024



Induction Fertilizer Orientation Program: Empowering Future Agricultural Leaders at SR University conducted in collaboration with the Fertilizer Association of India (Southern Region), Chennai on 20<sup>th</sup> November 2024

THE FERTILISER ASSOCIATION OF INDIA SOUTHERN REGION, CHENNAI  
In Collaboration With  
School of Agriculture, SR University, Warangal

## Induction Fertiliser Orientation Program for Agriculture Students

Other speakers (Senior Officials) from:

1. Coromandel International Ltd.
2. Madras Fertilizers Ltd.
3. SPIC
4. FACT
5. RCF
6. Indian Polash Ltd.
7. IFFCO

Date: 20/11/2024  
Time: 9 AM - 5 PM  
Venue: ICE Seminar Hall

Organized by:  
Dr. Bhupal Raj,  
Dean,  
School of Agriculture, SRU, Warangal

Key Speaker: Mr. Y.N.H. Murthy  
Regional Head, FAI Southern Region, Chennai





# Expert Talks Conducted


**WORLD SOIL DAY**  
5th December 2024

**Care for Soil: Measure, Monitor and Manage**



Rhizospheric Microbes: A Key to Soil and Plant Health

School of Agriculture  
4:00 PM

**Guest Speaker**



**Dr. Syed Ismail Syed Ibrahim**  
Dean (Agriculture),  
Vasantnagar Nalik Marathwada  
Kishan Vidyapeeth, Parbhani,  
Maharashtra

**SRU** SR UNIVERSITY

**Expert Talk On:**

- Role of Emerging Soil Amendment (Nanomaterials & Biochar) in Sustainable Development
- Effective Scientific Writing, Publications and Ethics

**Speaker:**  
**Dr. VISHNU D RAJPUT**  
Principal Scientist, HQS, Head,  
International Lab on Nanobiotechnology,  
Southern Federal University,  
Russia



**Convenor:**  
Dr. G. Bhupal Raj  
Dean  
School of Agriculture

21 DEC 2024  
11:30 AM - 01:00 PM  
Online

**Zoom Meet:**



Organized by: Dr. M. Mohana Keerthi  
Head  
School of Agriculture

EXPERT TALK ON

**SRU** SCHOOL OF AGRICULTURE

**Expert Talk On:**

**Role of Climate Change in Sustainable Agriculture**

**Speaker:**  
**Dr. Marco Andreozzi**  
Professor  
Juba St. Mary's College &  
Country Representative of OVCI USRATUNA  
South Sudan



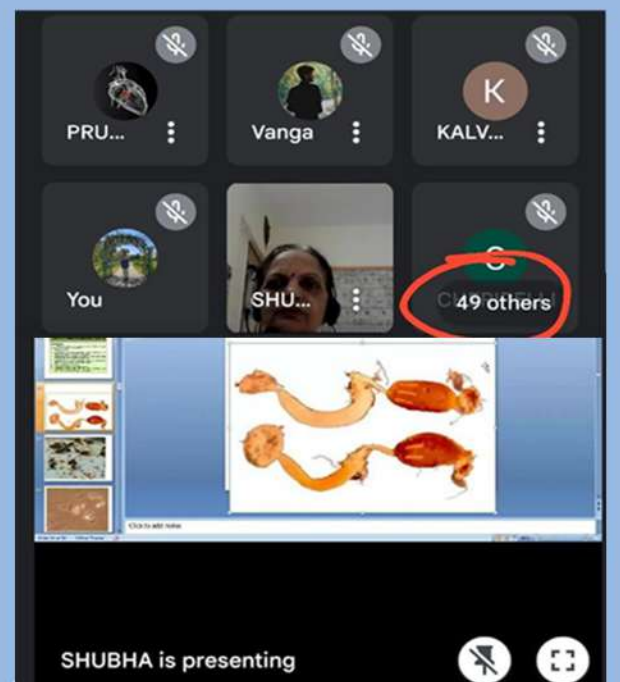
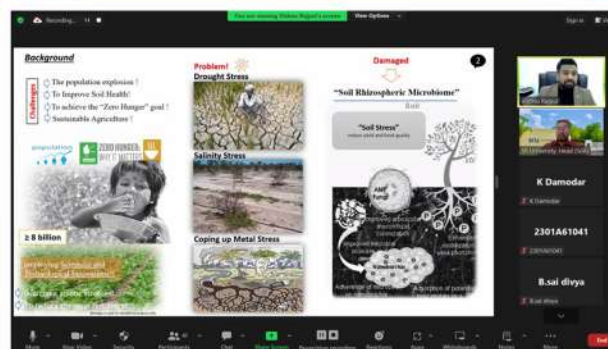
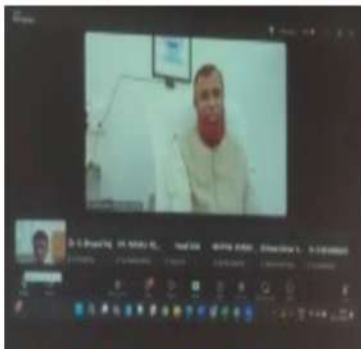
16th December 2024  
11:00 AM

**Offline mode**  
Library,  
School of Agriculture

**Patron:**  
Dr. G. Bhupal Raj  
Dean  
School of Agriculture

**Faculty Coordinator:**  
Dr. G. Bhargavi  
Head of the Department  
(Agronomy)  
School of Agriculture

EXPERT TALK



**Invited talk**

**EXPERIENCE THE JOURNEY**

of a horticulture graduate progressing towards becoming an IFS (Indian Forest Service) officer and Director of the A.P. Forest Academy."



**MR. VIJAY KUMAR**  
IFS OFFICER

**06 NOVEMBER 2024**  
**AT 11 AM**

A ENRICHING SESSION ON

**Global food & nutritional security: The role of Agricultural professionals**


**JOINING LINK: [HTTPS://MEET.GOOGLE.COM/GZZ-CUPK-XVW](https://meet.google.com/GZZ-CUPK-XVW)**

**ORGANISED BY: DR. G BHUPAL RAJ - DEAN**  
**SCHOOL OF AGRICULTURE, SRU**

**Expert Talk**

**ACCELERATED BREEDING IN VEGETABLE CROPS**

**Expert**



**Dr Naresh Ponnamp**  
Senior Scientist  
Division of Vegetable Crops  
ICAR Indian Institute of Horticultural Research

Dec 06th, 2024 Friday  
12:00 PM  
GPBR Lab, SOA

**Convenor**  
Dr. G. Bhupal Raj  
Dean, SOA  
Dr. M. Mohana Keerthi  
Head, SOA

**Organizers**  
Dr. B. Somraj  
Dr. T. Sowjanya  
Dr. G. Narkhede

Mr. J. Karunakar  
Ms. K. K. Vishnu Priya  
Ms. Ch. Srilikhitha

SCHOOL OF AGRICULTURE



# Learning Beyond Classrooms: Insightful Exposure Visits & Industrial Tours

Visit to Grape Research station Rajendranagar, Hyderabad on 25/10/2024



Visit to **MANAGE**, Hyderabad on 19/11/2024



Visit to **Integrated Farming System Unit at PJTSAU, Hyderabad** on 21/11/2024



Explanation of integration of horticulture component in IFS (Guava+ Hedge Lucerne planting)



Visit to **Vegetable Research Institute (VRS)** and **NIPHM Hyderabad PJTSAU** on 19/11/2024

Visit to **KVK, Jammikunta** on 21/11/2024



Group photo with the KVK scientists



Explaining about Ushagri technology to students



Explaining students regarding various ITK's their production and usage



Vertical farming Unit



Visit to Govardhan Organic Farms on 22/11/2024



Group photo @ Govardhan organics – Hyderabad



Visit to Seed Production Plot and Seed Processing Unit at Mangala Seeds, Madikonda, Warangal on 21/11/2024



Visit to Warangal Fort on 10/12/2024



Explanation about Basalt rock identification

Students observing different minerals basalt





Explanation about exfoliation phenomenon

Students collecting rocks samples

Visit to **Apiary, Mulugu** on 13/12/2024



Explanation about post harvest of honey



Explanation about bee value added products



Exposure Visit:  
**Greenhouse Unit B.Sc. (Hons) Agri IIIyr AB Batch,**  
 School of Agriculture, SR University



# Some glimpses of ELP & RAWEP Activities:

## Commercial Horticulture (Okra)

Land Preparation  
Fertilizer application



Spraying of multi k



Spraying of NPK



Urea and Potash Application

## Identification of pest:



Disease Management:  
Integrated Pest Management (IPM) and Insect  
Resistance Management (IRM):

## Harvesting:





## Marketing:



## Vermicomposting and Azolla Farming:





## Harvesting and Marketing:



**EXPERIENTIAL LEARNING PROGRAM**  
**Sweet corn production unit**  
**SCHOOL OF AGRICULTURE**



**BOILED CORN** 20-/-

**ROASTED CORN** 30-/-

**MASALA CORN CHAT** 30-/-

**CORN SAMOSA** 30-/-

**CORN PULAO** 89-/-

**CRISPY CORN** 30-/-

**CORN VADA** 40-/-

**CORN PAKODA** 40-/-

**RAW sweet corn also be salad**

For details please contact  
7569173658  
9704298840  
9030706461

## Protected cultivation (Vegetable Production)



## Bed Preparation and Sowing of Palak Seeds



## Intercultural operation





## Marketing:



## Production of Azolla:



## Advantage:



## Marketing

# AZOLLA FARMING

SR UNIVERSITY-School of agriculture

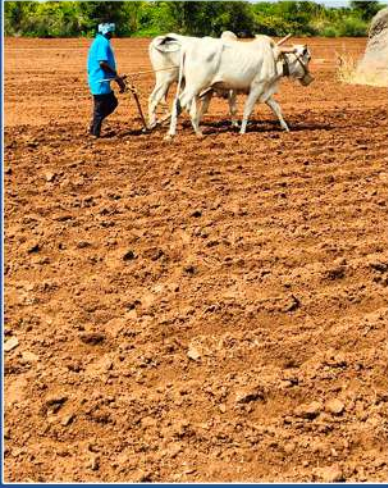


Rs.50/- per KG

Contact no - 9866570984



## Sweetcorn Farming:



## Weed Management



## Identification of pest:





# Harvesting





# RAWEP Activities:

## Demonstration on Nursery management and SRI/DSR methods



ITK technologies for soil health and plant nutrition preparation and usage

### Sanjivak



Materials: cow urine, cow dung, jaggery, water



1. Take cow dung



2. Add urine



3. Add water



4. Add jaggery



5. mix it thoroughly

Extract





Demonstration on Integrated farming system



Demonstration on Nano fertilizer



Layout of orchard for Horticulture crops



Demonstration on Recycling of organic waste



Demonstration on preparation of tomato ketchup



Participatory Rural Appraisal (PRA)



Organizing Rythu Sadasu/Kisan Mela/Agriculture exhibition to make farmers aware of new technologies





# Achievement of students

# Fifty

B.Sc. (Hons.)

# Agriculture

Academic Year 2024-25  
(Odd Semester)

50+  
Live fields  
with crops

School of Agriculture

Students Joined as Interns with stipend at



(10K - 20K)

ADMISSIONS  
OPEN - 2025

APPLY NOW

[www.sru.edu.in](http://www.sru.edu.in)

## Some Glimpses:

Happy to share that 28 students from School of Agriculture SR University has been selected for Akshaya Kalpa Farms and foods Pvt Ltd with a stipend of 16K





# Congratulations

Internship at



with stipend of

# 16K



**S. Aravid**

B.Sc (Hons) Agriculture IVth, Year



**A. Teja**

B.Sc (Hons) Agriculture IVth, Year



**S. Sreshma**

B.Sc (Hons) Agriculture IVth, Year



**MD. Zubair Uddin**

B.Sc (Hons) Agriculture IVth, Year



**M. Vyshnavi**

B.Sc (Hons) Agriculture IVth, Year



**G. Vinay**

B.Sc (Hons) Agriculture IVth, Year



**Vennala**

B.Sc (Hons) Agriculture IVth, Year



**V. Pranavi**

B.Sc (Hons) Agriculture IVth, Year



**H. Vani**

B.Sc (Hons) Agriculture IVth, Year



**V. Meena**

B.Sc (Hons) Agriculture IVth, Year



**P. UdayaBhanu**

B.Sc (Hons) Agriculture IVth, Year



**G. Sony Priya**

B.Sc (Hons) Agriculture IVth, Year





**Reshma Madhuri**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**V. Pranavi**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**G. Harika**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**M. Pujitha**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**K. Pavan Babu**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**Gagan Reddy**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**Ashwitha**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



## Self-sustaining farms





# Congratulations

Internship at



**Moinuddin Hyder**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**Nizamuddin**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**K. Megana**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**M. Jahnavi**

# Congratulations

Internship at



with stipend of

# 10K



**A. Ashwitha**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year



**S. Lahari**  
B.Sc (Hons) Agriculture IV<sup>th</sup>,Year





4 students has been selected for internship in **Superplum** for 17000 stipend

**B.Sc.(Hons) Agriculture** Seven final year students successfully completed one month AgroIndustrialAttachment at the end of **RAWEP** in **Mulkanoor Cooperative Rural Bank** and obtained participation certificates.

**B.Sc.(Hons) Agriculture** final year students successfully completed **onemonth Agro Industrial Attachment(IA)** training at Vertical Green Farms, Asia's one of the largest cooperative credit society, Mulkanoor, at the end of RAWEP program. Training **Certificates** were given to all the participated students.



**B.Sc.(Hons) Agriculture** final year students successfully completed **onemonth Agro Industrial Attachment(IA)** training at **Mulkanoor Dairy**, Asia's one of the largest cooperative credit society, Mulkanoor, at the end of RAWEP program. Training **Certificates** were given to all the participated students.



Two batches of **B.Sc.(Hons) Agriculture** final year students successfully completed one month **Agro Industrial Attachment (IA)** training @one batch in Sumanjali Seeds Seeds, Rampur and second one in **NSR Diary**, Mulugu road,Warangal at the end of RAWEP program.Training Certificates were given to all



# Project Expo 2024: Showcase Your Innovation

Participation of six groups from School of Agriculture - SRU in Project Expo 2024 on 21<sup>st</sup> November, 2024 and presented the ideas on

- Weather Responsive Farming
- Smart Agriculture Integrated Farming System
- Solar Powered Drip Irrigation
- IoT in Agriculture
- Minimalistic Agricultural Practices



One of our passed out students, Sumith Bhargav secured PG seat in Department Genetics and Plant breeding, College of PG studies, Barapani , Shillong , Central Agricultural University



## Celebrating Excellence: Faculty Achievements That Inspire



### Honoring Excellence: Felicitation of Dr. G. Bhupal Raj, Dean, SoA

Felicitation to Dr. G. Bhupal Raj, Dean, SoA, SRU for the past services as Director of Extension ,PJTS Agrl. University and Director of International Programs, ANGRAU .

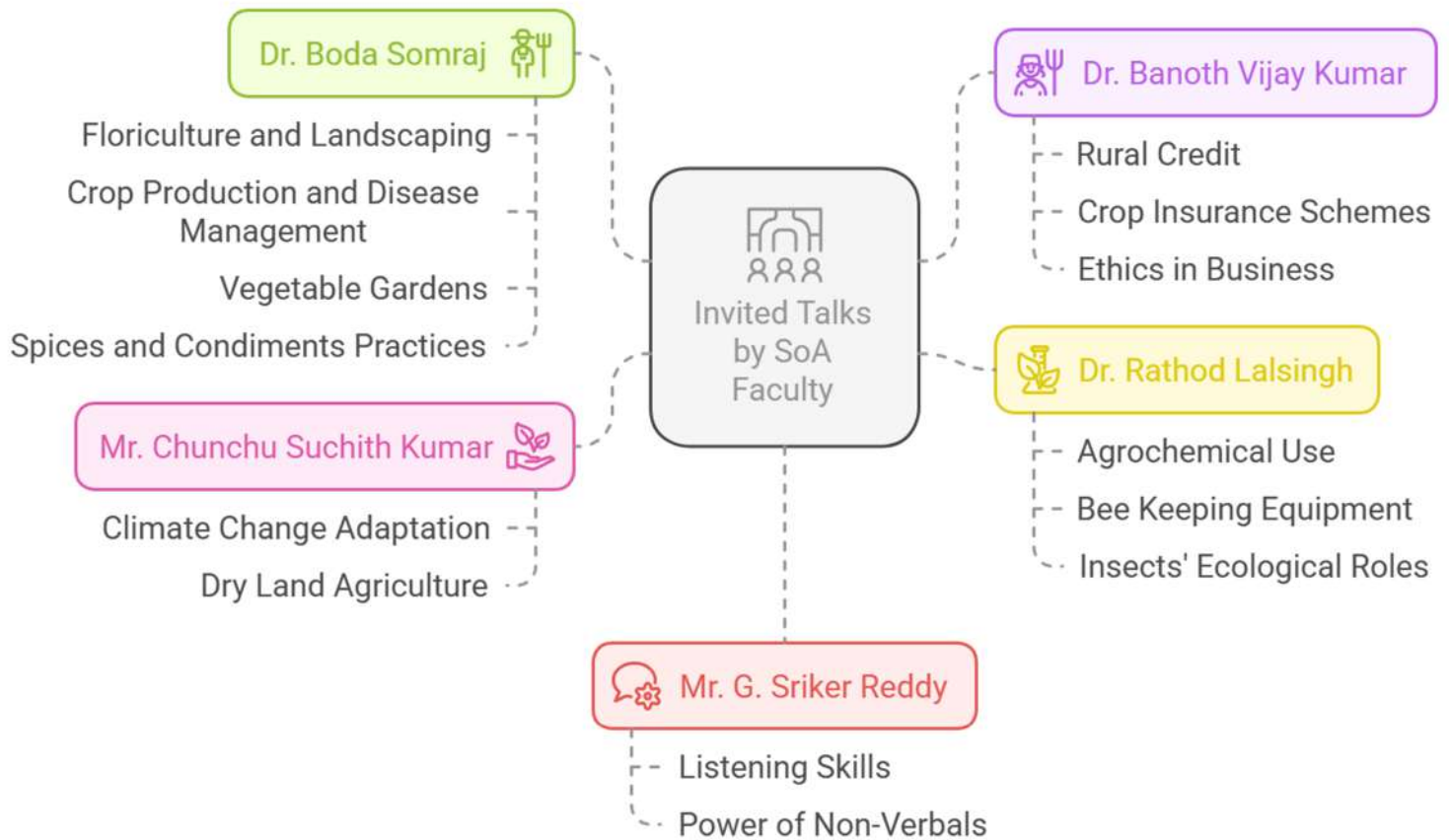


Hosting a programme as a guest along with Sri M.Kondanda Reddy, Hon'ble Chairman, Telangana State Agricultural and Farmers Welfare Commission at Diamond Jubilee celebrations of ANGRAU at Regional Agricultural Research Station, PJTSAU, Warangal



# Sharing Knowledge, Shaping Futures: Recognition of Faculty as Esteemed Resource Persons

Invited Talks by SoA Faculty: June-Dec 2024



## Dr. G. BHUPAL RAJ

Date	Topic	Organization or Venue
02-12-2024 to 31-12-2024	Navigating Agricultural Transformation for Upliftment of Rural Excellence (NATURE 2024)	Online Mode (30 days International Winter School program) Jointly Organized by ICRISAT, CIMMYT, MANAGE, ICARDA

## Dr. BODA SOMRAJ

Date	Topic	Organization or Venue
23/06/2024	Floriculture, Landscaping and Lawn maintenance	Madhav University
29/06/2024	Crop production and Disease Management in medicinal and aromatic crops	Seminar Hall, Krishi Vigyan Kendra, PJTSAU, Malyal, Mahabubabad District, Telangana



06/07/2024	Crop production and Disease Management in medicinal and aromatic crops	Seminar Hall, GNSS Krishi Vigyan Kendra, Jammikunta, Karimnagar
07/07/2024	Production technology of aromatic plants	NTI Rythu Vedika Tekumatla Village, Jayashankar Bhupalapally District
09/09/2024	Vegetable Gardens	NTI Rythu Vedika Nidigonda Village, Jangoan District
22/12/2024	Package of practices of Spices and condiments	Rythu Vedika, Kataram, Jayashankar Bhupalpally District

## Dr. RATHOD LALSINGH

Date	Topic	Organization or Venue
04/08/2024	Harmful effects of indiscriminate agrochemical use, Precautionary measures in procurement, handling and Application First aid measures in pesticide poisoning	Mahabubabad District, Telangana State
13/12/2024	Bee Keeping Equipment and seasonal management of honey bees	21-day National Training-cum-Workshop

## Mr. G. SRIKER REDDY

Date	Topic	Organization or Venue
20/10/2024	Listening skills Power of non verbals	Krishi Vigyan Kendra (KVK), Malyal, Mahabubabad

## Mr. CHUNCHU SUCHITH KUMAR

Date	Topic	Organization or Venue
18/08/2024	Natural Resource Management for Dry land Agriculture Climate change and adaptation strategies for rainfed agriculture. The impact of climate change on present day agriculture and crop production	Krishi Vigyan Kendra (KVK), Malyal, Mahabubabad

## Dr. BANOTH VIJAY KUMAR

Date	Topic	Organization or Venue
14/07/2024	Rural Credit, Crop Insurance Schemes and Ethics in Business	Krishi Vigyan Kendra, Malyal



# Honoring Excellence: Celebrating Our Faculty's Prestigious Achievements



# Vice Chancellor Awards









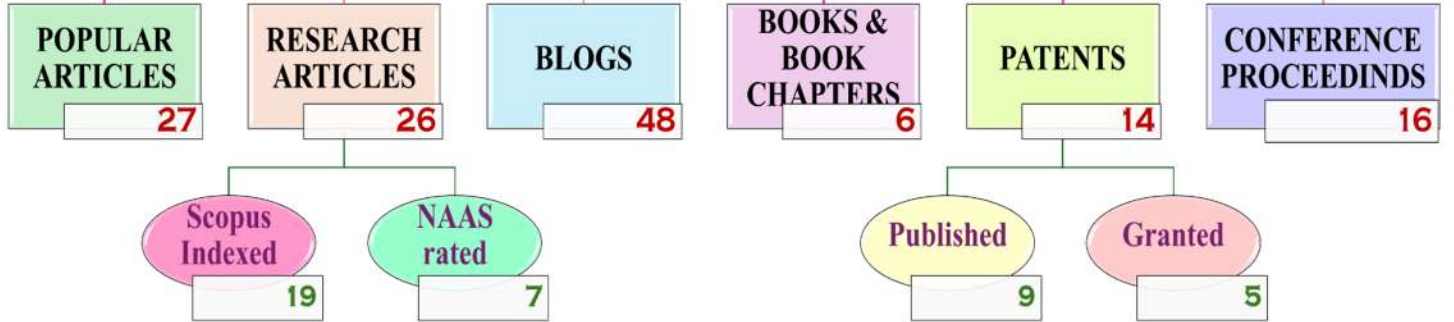
**SRU – Staff Sports Meet 2024**  
*Cricket Championship Winners*  
**SCHOOL OF AGRICULTURE (SOA)**





# PUBLICATIONS

June-Dec 2024





# Advancing Knowledge: Showcasing Our Latest Research Breakthroughs Research Articles:

- 1 **Raj GB**, Priya JS, Jadhav RD, Prabhu VS. An enhanced extreme learning machine for crop yield prediction. In: 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS). IEEE; 2024. <https://doi.org/10.1109/ICPECTS62210.2024.10780281>
- 2 Ravi KC, Mudalkar PK, Ranga J, **Raj GB**, Swapna B, Venkatesh D. Empowering sustainable agriculture through IoT: innovations for precision farming and crop monitoring. 2023 9th International Conference on Smart Structures and Systems (ICSSS); 2023; Chennai, India. IEEE; p. 1-6. <https://doi.org/10.1109/ICSSS58085.2023.10407883>
- 3 **Raj GB**, Raghuram K, Varun VL, Sharma DK, Kapila D, Kapila D. Development of prediction model for chemicals in fresh fruits using artificial neural network. In: Kumar A, Gunjan VK, Senatore S, Hu YC, editors. Proceedings of the 5th International Conference on Data Science, Machine Learning and Applications; Volume 1 (ICDSMLA 2023). Lecture Notes in Electrical Engineering, vol 1273. Singapore: Springer; 2025. [httpsdoi.org/10.1007/978-981-97-8031-0\\_113](httpsdoi.org/10.1007/978-981-97-8031-0_113).
- 4 **Raj GB**, Mandal RC, Srivastava D, Das A, Shaikh MA, Kapila D. Use of artificial intelligence in smart farming for selecting the composition of smart manure. In: Kumar A, Gunjan VK, Senatore S, Hu YC, editors. Proceedings of the 5th International Conference on Data Science, Machine Learning and Applications; Volume 1 (ICDSMLA 2023). Lecture Notes in Electrical Engineering, vol 1273. Singapore: Springer; 2025. [httpsdoi.org/10.1007/978-981-97-8031-0\\_115](httpsdoi.org/10.1007/978-981-97-8031-0_115).
- 5 Maguluri LP, Geetha B, Banerjee S, Srivastava SS, Nageswaran A, Mudalkar PK, **Raj GB**. Sustainable agriculture and climate change: a deep learning approach to remote sensing for food security monitoring. Remote Sens Earth Syst Sci. 2024;7:709–721. <htdoi.org/10.1007/s41976-024-00161-9>.
- 6 Madhavi M, Kolikipogu R, Prabakar S, Reddy P, Sharma V, Banerjee S, **Raj GB**. Experimental evaluation of remote sensing–based climate change prediction using enhanced deep learning strategy. Remote Sens Earth Syst Sci. 2024;7:642–656. <https://doi.org/10.1007/s41976-024-00152-w>.
- 7 Vanitha R, Debnath A, **Keerthi MM**, Uchoi J, Subha L, Al-Ansari MM, Srinivasan P, Kavitha C. Development of luminescent and photosensitive cellulose microfibers from palm sprout fibers: antibacterial efficacy and dye adsorption potential. J Biochem Biophys Methods. 2024. <https://doi.org/10.1002/bio.70016>.
- 8 **Keerthi MM**, Nomani MZM, Dimri S, Chaudhary T, Samdani A, Singh JAJ. Using machine learning towards evaluation of environmental impacts and mitigation in sustainable supply chain management. 2024 International Conference on Communication, Computer Sciences and Engineering (IC3SE); 2024; Gautam Buddha Nagar, India. IEEE; p. 1452-1456. <https://doi.org/10.1109/IC3SE62002.2024.10593651>.
- 9 **Keerthi MM**, Pranavan S, Satheesh Kumar S, Veena C, Manjunatha, Singla A. Integrating IoT and machine learning for smart irrigation systems in agriculture. 2024 International Conference on Science Technology Engineering and Management (ICSTEM); 2024; Coimbatore, India. IEEE; p. 1-5. <https://doi.org/10.1109/ICSTEM61137.2024.10561002>



- 10 M. R. G., R. S, Kumar S, Priya JS, **Keerthi MM**, Kumar BS. Poultry diseases diagnostics using deep learning techniques. 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS); 2024; Chennai, India. IEEE; p. 1-4. <https://doi.org/10.1109/ICPECTS62210.2024.10780092>.
- 11 Wange NJ, **Keerthi MM**, Gottumukkala P, Deshmukh YS, Nishant N, Bethel GNB, Philip JM. Optimising agricultural data reliability using edge computation and machine learning techniques. *J Environ Prot Ecol*. 2024;25(6):2097–2108.
- 12 **Keerthi MM**, Srivastav P, Rajasekar G, Arun A, Babu R. Precision nitrogen management in aerobic system for maximising paddy (*Oryza sativa* L.) yields: A review. *Crop Res*. 2023. <https://api.semanticscholar.org/CorpusID:267344281>.
- 13 Varaprasad K, Jayaramudu T, Kartikeyan C, Congreve RC, **Reddy GVS**. Development, characterization, and biomedical applications of PVP–AgCl nanomaterials: Antibacterial and anticancer properties. *ChemSelect*. 2024 Dec 30. <https://doi.org/10.1002/slct.202404398>.
- 14 **Kumar CS, Divya Vani DP**, Reddy MVS. Hydroponics – The future of farming. *AIP Conf Proc*. 2024;2971:040050. <https://doi.org/10.1063/5.0195743>.
- 15 Alagpuria M, Dhandapani K, Manoharan G, Kannan R, **Suchith C**, Selvaraj FJ. Survey of intelligent human society sustainable communities for agri-food production industries using artificial neural network. *AIP Conf Proc*. 2024;2971:020065. <https://doi.org/10.1063/5.0196071>.
- 16 **Suchithkumar C**, Reddy S, **Divyavani P**, Divya S, Sravya M, Mani M, Manoharan G. Modern challenges in agriculture. *AIP Conf Proc*. 2024;2971:040051. <https://doi.org/10.1063/5.0195744>
- 17 **Divyavani P**, Damodar K, Suchithkumar C. Evaluation of heterosis in the genotypes of maize (*Zea mays* L.). *AIP Conf Proc*. 2024;2971:040047. <https://doi.org/10.1063/5.0196109>.
- 18 Saha P, Sar SK, **Karthik HP**, Mohapatra CK, Tiwari S, Sudhakar S. Harnessing naringin from *Citrus paradisi*: evaluating its potential as a natural antiallergic agent in medical research and pharmacology. *J Appl Bioanal*. 2024;10(3):115-123. Available from: <https://doi.org/10.53555/-jab.v10i3.051>.
- 19 Subha L, Parameswari K, Mulla N, Hussain MA, Kumar S, **Srinu B**. Integration of AI and robotics in precision agriculture: enhancing crop yield and resource efficiency. *Nanotechnology Perceptions*. 2024;20(5):1353-1366. Brookfield Academic Limited, United Kingdom
- 20 **Srinu B**, Geetha A, **Somraj B, Kalpana B, Karunakar J**, Saidaiah P. Fruits that heal: A comprehensive review on bioactive compounds and therapeutic properties of fruits and their implications on human health. *Ann Phytomed (Int J)*. 2024;13(1):22-36. Ukaaz Publications.
- 21 Amarapalli G, Pidigam Saidaiah D, Khan AA, Rajasekhar M, **Somraj B**, Suresh JD, Narender Reddy, Homayoon H. Herbs that heal: A review update on nutritional, medicinal values, healing, and pharmacological properties of green leafy vegetables. *Ann Phytomed (Int J)*. 2024 Jul;13(1):XX-XX. doi: [10.54085/ap.2024.13.1.2](https://doi.org/10.54085/ap.2024.13.1.2).



22 Saidaiah P, Banu Z, Khan AA, Geetha A, **Somraj B**. A comprehensive review of Omega-3 fatty acids: Sources, industrial applications, and health benefits. Ann Phytomed . 2024 Jun;13(1):209-225. <http://dx.doi.org/10.54085/ap.2024.13.1.20>.

23 Banu Z, **Somraj B**, Geetha A, Khan AA, **Srinu B**, Vamshi J, Karunakar J, Saidaiah P. A comprehensive review of biochemical, functional, and dietary implications of gluten. Ann Phytomed. 2024 Jun;13(1):196-208. <http://dx.doi.org/10.54085/ap.2024.13.1.19>.

24 Nehul JN, Samreen, Dutta A, Manjunath P, **Belagalla N**, Kundan, V.B. G, Khokale SK, Pandey SK. Biostimulants and their Role in Enhancing Plant Resistance to Pests and Pathogens. UPJOZ. 2024 Dec. 30 <https://mbimph.com/index.php/UPJOZ/article/view/4726>

25 **Belagalla N, Kaur R**, Abhishek GJ. Eco-friendly and Targeted through Next-generation Approaches to Insect Pest Management. UPJOZ. 2024 Jun. 8. 45(13):73-99. <https://mbimph.com/index.php/UPJOZ/article/view/4137>

26 N RM, **Belagalla N, M S J**, Huchchannanavar S, T. N. S, K S S, Srivastava A, Kapoor M, Hazarika S. Prevalence and Factors Associated with Protein Energy Malnutrition among Pre School Children in Rural Areas. Eur. J. Nutr. Food. Saf. [Internet]. 2024 Jul. 30.16(8):142-8. <https://journalejnfs.com/index.php/EJNFS/article/view/1502>

## Patents Published:

1 AN ECO-FRIENDLY PACKAGING PRODUCT FOR EXTENDING THE SHELF LIFE OF PRODUCE  
Inventors: **Dr. Tithli Sadhu**, Dr. Manasa R

2 SUSTAINABLE YOGURT PRODUCTION USING BANANA PEEL-DERIVED PECTIN AS A NATURAL TEXTURIZER  
Inventors: **Mr. Abubakar Kabir Adam, Dr. Tithli Sadhu**

3 A NOVEL METHOD OF OIL EXTRACTION FROM PUMPKIN SEED  
Inventors: **Mr. Abubakar Kabir Adam, Dr. Tithli Sadhu**

4 SYSTEM AND METHOD FOR PRODUCING BIODIESEL FROM BANANA PSEUDO STEMS  
Inventors: **Dr. Chennamsetti Lakshmi Naga Manikanta, Dr. Tithli Sadhu**, Abdulrauf Muhammad Yusuf, Uwaisu Nura Kani, Dr. Manasa R

5 METHOD FOR PREPARATION OF EDIBLE SNACK BAR FROM HERBS AND MILLET  
Inventors: **Dr. Chennamsetti Lakshmi Naga Manikanta**, Dr. Manasa R, Dr. R. V. Meenakshi, Dr. Bhavya C

6 INSECT TRAPPING DEVICE FOR AGRICULTURAL FIELDS  
Inventors: **Dr. Rathod LalSingh, Dr. Ningaraj Belagalla, Dr. G. Bhupal Raj, Mr. Saikrishna Reddy Thokala**, Dr. Anil K Kolhe, Dr. Praveen K. Rathod

7 AGRICULTURAL PEST IDENTIFICATION DEVICE  
Inventors: **Dr. Rathod Lalsingh, Dr. G. Bhargavi**, Dr. Shendage Sharad Ashok, Ms. Swathi Yadav Kattula, Dr. Satish Ramchandra Pawar, Ms. Chebrolu Sravani, Mr. Kandukuri Saikumar, **Mr. Thokala Sai Krishna Reddy**

8 POLLINATION TRACKING AI DEVICE  
Inventors: Dr. Shushant Kumar, Dr. Alpesh Kumar v K, Dr. Madhu sudhan, **Dr. Ningaraj Belagalla, Dr. Sayam Sanu**, Dr. Manasa Kumar and Dr. Krishna.



## 9 DESIGN AND DEVELOPMENT OF DIGITAL FRUIT AND SPICES QUALITY IDENTIFICATION TECHNOLOGY

Inventors: Dr. Arunabha Pal, Dr. Rahul Adhikary, **Mr. Chunchu Suchith Kumar**, Mrs. Pilli Manasa, Dr. Tanuj Kumar Mandal, Dr. Nayan Kishor Adhikary, Dr. Ayon Alipatra, Dr. Priyanka Nandi, Dr. Priyanka Ghatak, Dr. Swarbinay Mahanta

## Patents Granted:

### 1 AUTOMATED PEST CONTROL DEVICE

Inventors: Dileep Kumar N T, Dr. Wajid Hasan, Syed Kulsoom Fatima Jafri, Dr Ashiq Hussain Magrey, Dr. Ritesh Mishra, **Dr. Ningaraj Belagalla**, Showkat Ahmad Malik, Subrat Kumar Mahapatra, Dr. Radheshyam Ramakrishna Dhole.

### 2 AI BASED ENTOMOLOGY OBSERVATION DEVICE

Inventors: **Dr. Ningaraj Belagalla**, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh

### 3 DIGITAL SOIL pH MEASUREMENT DEVICE

Inventors: Dr. K.K. Siva Kumar, Rachamalla Ravi Teja, Dr. Plabani Roy, **Dr. Gireesha D, Dr. Ningaraj Belagalla**, Jitendra Kumar, Dr. Hiren K. Patel, Himanshu Sekhar Behera, Virendra Singh, Dr. Atul Kumar

### 4 PRECISION SEED COATING DEVICE

Inventors: Dr. Nageshwar, Dr. Irfat Jan, **Dr. Gireesha D**, Binat UI Mukhtar, Dr. Shreedhar Beese, Akshay Kumar Kudekar, Dr. Hiren K. Patel, Dr. Himalay R. Patel, Sonia, Virendra Singh,

### 5 SOLAR POWERED FRUIT DRYING DEVICE

Inventors: Dr. D. V. Swami, Aditya, Nikita, Siddesh Pradip Salvi, Syed Najmusakib, Irtiqqa Manzoor, **G.Sriker Reddy**, Binat UI Mukhtar, Dr. Arshad Khayum, Dr. C. Venkatesh, Dr. Irfat

## Books:

Ecological approaches to agriculture and soil health By G Venu Gopal, Vikas Kumar, Ningaraj Belgalla, K S Somashekar and Ramat Kant S. Publishers: DvS Scientific Publishers. ISBN-N:9789366885605

Emerging trends in plant pathology. Rupesh Kumar J, Ningaraj Belagalla, Ranjan Kumar Jeena, Abhishek Tripathi and Jeena H. Pulisher: ND Global Publication, ISBN:9788197241871

Sericulture-Principles, practices, biotechnology and breeding techniques

Recent trends in plant protection By Wajid Hasan, Mohd Ashaq, G J Abhishek, Dr Ningaraj Belagalla, Tapas Kumar, Masarat B and Omais Bin. Publishers:Elite Publishing House. ISBN: 9789358991147

Organic farming, Dr Nanita Berry, Dr Chandrakumar S, Mohit Kumar, Dr Ningaraj Belagalla, Sunil Kumar, Dr Aparilit P and sheetanshu Gupta. Publishers: A K International. ISBN-N:9788197238840

Recent trends in Plant protection. By Samreen, d K Narwade, Shashi M, Kuru charitha and Ningaraj Belagalla. Publishers:DVS Scientific Publication. ISBN: 9789366887791



## Book Chapter:

Name	Title of the chapter	Title
Dr. G. Bhupal Raj	Role of Soils for Satisfying Global Demands for Food, Water, and Bioenergy	Environmental Nexus for Resource Management

## Popular Article:

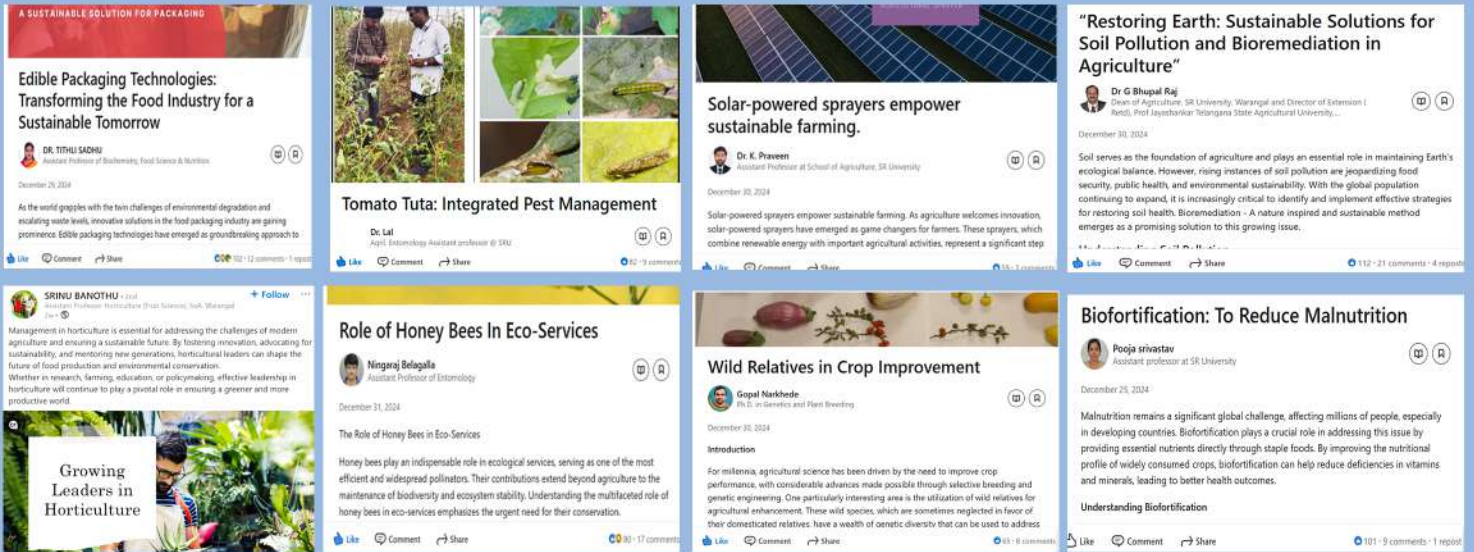
Faculty Name	Title	Publisher
Dr. M. Mohana Keerthi	Harnessing the Power of Biochar: A Sustainable Solution for Agriculture and Climate Change Mitigation	Environmental Reports
Mr. T. Sai Krishna Reddy & Ms. Pooja Srivasta	Precision Irrigation: Conserving Water Resources	Global Agri Vision
	Optimizing Crop Yield with Precision Agriculture	Global Agri Vision
Ms. Pooja Srivastav	Enhancing Rice Nutritional Quality through Biofortification Techniques	Global Agri Vision
	Precision Weed Management and Scaling Technology	Agri Articles
Dr. B. Srinu	Hi-Tech Horticulture: Paving the Way for the Future	Agriculture & Food
	Nutrient optimization in Hydroponic systems for vertical farming	Agriculture & Food
Ms. B. Sai Divya	Importance of Root Zone Management in Crop Production	Agri Articles
Mr. Chunchu Suchith Kumar	The role of IoT and AI in transforming agriculture	Agri Articles
	Modern Challenges in Indian Agriculture	Agri Articles
Mr. Chunchu Suchith Kumar & Dr. G. Bhargavi	Precision Agriculture in the Indian Scenario	Agri Articles
Mr. G. Sriker Reddy	Agritourism: Modern Way for Integrating Farmers and Urban Consumers	Agri Articles



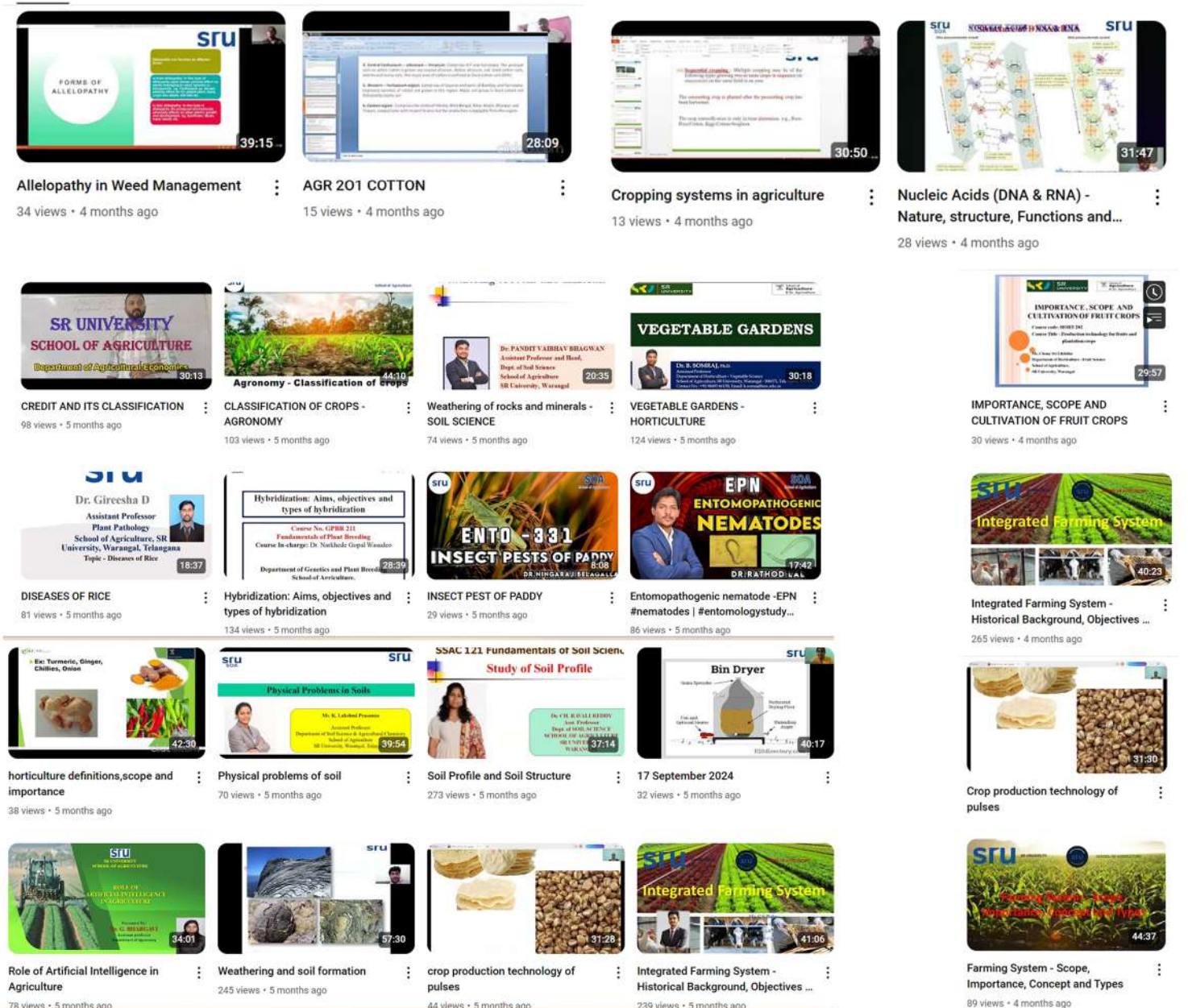
Faculty Name	Title	Publisher
Dr. B. Somraj	Effect of Temperature on Growth and Development of Vegetable Crops: A Comprehensive Review	Krishi Udayan Darpan
Ms. Muthu Sravya	Agriculture and Carbon Cred	Agri Articles
Dr. Rathod Lalsingh	Tomato Tuta: Integrated Pest Management	Agriculture & Food
Dr. Narkhede Gopal Wasudeo	Genetic variability in plant breeding	Agri Gate
	Wild relatives in crop improvement	Agri Gate
Dr. Gireesha D	Mechanisms and Durability of Genetic Resistance in Plant Virus Disease Managemen	New Era Agriculture Magazine
	The Role of Plug Tray in Modern Nursery Technology	The Agriculture Magazine
	Brassinosteroids: "Novel Green Molecules for Extending Postharvest Shelf Life of Fruits and Vegetables"	Agriculture & Food
	Oyster Mushrooms: Production Techniques and Nutritional Benefits	Agriculture & Food
Dr. B. Somraj & Dr. B. Srinu	Special Cultural Operations in Vegetable Production: For Enhanced Yield and Quality	Vigyan Varta
Dr. Ningaraj Belagalla	Role of AI in modern agriculture	The Agriculture Magazine
	The influence of agrochemicals on ecosystems	The Agriculture Magazine
	Carbon sequestration in agriculture-Practice and potential	The Agriculture Magazine
	Innovations in pests management-Reducing chemical use	The Agriculture Magazine
	Integrated pests management a sustainable approach	The Agriculture Magazine



# Some glimpses of BLOGS Published by Faculty on Social Media



# Lecture Videos Published on YouTube











**భూపాల్ రాజ్, పాఠశాల డీన్**



కమలాపూర్ రైతు వేదికలో గ్రామీణ భాగస్వామ్య విశ్లేషణాత్మక సదస్సు... | Hanamkonda | SSC

**పంటలు టిగుబడిలో భూసాధి పటిక్షలు అత్యంత ప్రధానం**

• అన్నం ప్రాంతం కి...  
దేశంలోని ప్రతి వయస్కులకు తినడానికి అవసరమైన అన్నంను ఉత్పత్తి చేయడానికి భూసాధి పటిక్షలు అత్యంత ప్రధానం. భూసాధి పటిక్షలు అత్యంత ప్రధానం. భూసాధి పటిక్షలు అత్యంత ప్రధానం. భూసాధి పటిక్షలు అత్యంత ప్రధానం.

**అన్నం ధార**  
రైతులు అధునిక వ్యవసాయ పద్ధతులు అవలంబించాలి

**ఆంధ్రప్రదేశ్**  
రైతులకు అధునిక వ్యవసాయ పద్ధతులు అవలంబించాలి

**తెలంగాణ**  
రైతులకు అధునిక వ్యవసాయ పద్ధతులు అవలంబించాలి

**దక్షిణ అమెరికా టు భారత్**

• టమాటాలో టూటా అబ్సొల్యూట్లూ పురుగు ఉధృతి • సమగ్ర సస్య రక్షణ



హనువత్తి, నవంబరు 17 (ఆంధ్రకోటి): ప్రస్తుతం టమాటా పంటలో ఆరుకొలుడు (టూటా అబ్సొల్యూట్) పురుగు ఉధృతి పెరిగింది. ఇది దక్షిణ అమెరికా ప్రాంతానికి చెందిన పురుగు. శ్రీమేధా భారతదేశానికి విస్తరించి 2014లో మహారాష్ట్రలోని వజీర్ మొదటిసారిగా, 2015లో కర్ణాటకలోని గుత్తి ప్రాంతాల్లో గుర్తించబడింది. ప్రస్తుతం భారతదేశంలో అంతా విస్తరించి, టమాటా రైతులను తీవ్ర ఇబ్బందులకు గురి చేస్తోంది. ఈ పురుగు అన్ని లాక్సా దళలు మొక్కల అన్ని భాగాలైన కొమ్మలు, ఆకులు, పచ్చలు, పండ్లను తిని వంట ఉధృతి, నాశనం చేసుకుంటూ తగ్గిస్తాయి. పురుగు దాడి వలన ఆకులు మాడిపోవడం, మొక్కల ఎదుగుదల తగ్గిపోవడం, కాలు, పండ్లపై దిన్న రంధ్రాలు ఏర్పడడం, ఈ రంధ్రాల ద్వారా జీతం వ్యాధి కారక శీతల వండ్లలో కొలవడి, పండ్లు పక్కపోవడం వంటి లక్షణాలు కనిపిస్తాయి. ఇవైన పద్ధతులు పాటించడం ద్వారా నష్టపోవడం నివారించుకోవడానికి పూర్తి పంట నష్టపోయే అవకాశం ఉంది.

టమాటా పంటను పరిశీలిస్తున్న ఎన్సార్ యూనిట్ ప్రాధాన్యత

- సమగ్ర సస్య రక్షణ చర్యలు**
- పంట కోసిన తరువాత పొలాన్ని దున్ని కోసుకుని రెండు నెలల పాటు ఎండగొనివ్వాలి. దీని వల్ల పురుగు వివిధ దళలో నశిస్తాయి.
  - పురుగు ఆశించిన మొక్కలను ఏని నాశనం చేసుకోవాలి.
  - దోలిన పంటలకు పంటలకు వేసుకోవడా జతర జాతి పంటలు వేసుకోవాలి.
  - నాణ్యమైన విత్తనాలను ఎంచుకోవాలి.
  - ప్రధాన పొలానికి ఎకరానికి 200 కేజీల వేస నిండిన సెనుకోవాలి.
  - నాణ్యమైన నాణ్యమైన సమయంలో ఇది వాల్వేన్డ్ 0.3 మి.లీ.ను ఒక రీటరు నీటికి కలిపి వేయవలసిందిగా నాణ్యమైనది.
  - పురుగుల విస్తృతంగా కనిపించిన 2 నుంచి 3 టూటా అబ్సొల్యూట్ రింగాలకు బుద్ధులను ఎకరానికి అమర్చుకోవాలి.
  - వేస నాణ్యమైన 5 మి.లీ.ను ఒక రీటరు నీటిలో కలిపి పిరికారం చేసుకోవాలి.
  - గుడ్ల వచ్చాన్ని తీసి అయిన త్రైకోటామ్యా ప్రెసియోను, త్రైకోటామ్యా అత్యంత ఎకరానికి 45 గ్రాముల వారానికి ఒకసారి వాడుకోవాలి.
  - నాణ్యమైన 45 లీటర్లలో క్లోరాన్థోనిలో 185 ఎస్.ఎం. 0.15 మి.లీ.ను రీటరు నీటికి కలిపి పిరికారం చేసుకోవాలి.
  - ఇంజిల్లో క్లోరాన్థోని 0.15 మి.లీ.ను ఒక రీటరు నీటిలో కలిపి ఉపయోగించినా మంచి ఫలితాలు ఉంటాయి.

**సరైన సమయంలో చర్యలు తీసుకుంటేనే అధిక దిగుబడులు**  
ఎన్సార్ యూనిట్ ప్రాధాన్యత లాభినిగ్ రిపోర్ట్  
టమాటా పంటలో వచ్చే ఆరుకొలుడు (టూటా అబ్సొల్యూట్) పురుగు ఆరుకొలుడు పురుగు సుమారుగా 300 గుడ్లను పెట్టి, 25 నుంచి 30 లీటర్లలో తన జీవిత చక్రాన్ని పూర్తి చేసుకుంటుంది. ఈ పురుగు దాదాపు మొక్కల అన్ని భాగాలపై ఆశించి పంటకు తీవ్ర నష్టాన్ని కలిగించి దిగుబడి వంట నాణ్యతను తగ్గిస్తుంది. దీని ఉధృతిని తగ్గించేందుకు సరైన సమయంలో సమగ్ర సస్య రక్షణ చర్యలు చేపట్టి అధిక దిగుబడులు పొందవచ్చు.



**రాజ్యసీపాల్స**  
వరిలో రబీ సీజన్ మెళుకువలు

ఎస్ ఆర్ యూనివర్సిటీ అసిస్టెంట్ ప్రొఫెసర్ రాధోడ్ లాల్ సింగ్ సురేష్ బాబు

హనువత్తి పత్తి డిసెంబర్ 24 (రాజ్యసీపాల్స): హనుమకొండ జిల్లా హనువత్తి పత్తి మండల పరిధిలోని ఎన్సార్ యూనివర్సిటీ శాస్త్రవేత్తలు అసిస్టెంట్ ప్రొఫెసర్ రాధోడ్ లాల్ సింగ్ మరియు సురేష్ బాబు రబీ ఎజెన్స్ వరి సాగు చాలా ప్రత్యేకత కలిగి ఉంటుంది. సాధారణంగా రబీ పంటను ఫిబ్రవరి సీజన్లోనే విస్తృతంగా సాగు చేస్తారు. కానీ సీటి సాగుదల సదుపాయాలు ఉన్న ప్రాంతాల్లో రబీ సీజన్లోనూ విజయవంతంగా పండించవచ్చు అని శీతాకాలం సమయంలో రైతులకు తమకుగా ఉండడం, చరితాలం ప్రభావం, మరియు రోగాలు, పురుగుల సమస్యల వల్ల పంటపై ప్రభావం పడుతుందని అన్నారు. ఈ క్రింద ఇచ్చిన మెళుకువలను పాటిస్తే వరి పంటను వివిధ సూచకాల వారిన పడకుండా కాపాడుకోవచ్చును. రబీ సీజన్లో తగిన స్వల్ప వ్యవధి కలిగిన వరి రకాల ఎంపిక చాలా ముఖ్యం. ఈ సీజన్లో కిందిగా సోనా (X=చీ= 15048), బతుకమ్మ (X=చీ+X 18047), ఏనారం సన్నాలు (X=చీ+X 118), తెల్లపాపం (X=చీ= 10754), గాటన్ చొర సన్నాలు (X=చీ+X 1010), మరియు నెల్లూరి మమూరి (X=చీ= 34449) వంటి రకాలు అత్యుత్తమ ఫలితాలను అందిస్తాయి. 1. తీరి విత్తనానికి 3 గ్రా. ల కార్బిండాజిమ్ ను వట్టింది కుచ్చి చేసుకోవాలి. 2. చరితాలులు పంటపై పరికారం ప్రభావం చూపి అవకాశం ఉంది. దీనిని తగ్గించడానికి రాల్లి పూట పొలంలో నీటిని నిల్వ చేసి ఉదయం 9 గంటలకు బయటకు వదలడం ఉత్తమమైన పద్ధతి. 3. జింకో పోస్టాన్ నివారించడానికి జింకో సర్వేటివ్ రీటరు నీటికి 2 గ్రా. కలిపి చేయడం ద్వారా మొక్కలు అరోగ్యంగా పెరుగుతాయి. 4. తీరి యూరియా కి 2 గ్రా. చొప్పున కార్బిండాజిమ్ మ్యూకోజెట్ ను కలిపి పిరికారం చేయడం ద్వారా వివిధ రోగాలను నియంత్రించవచ్చు. 5. చరి ప్రభావం నుండి రక్షించేందుకు ఫిస్టాక్ షీట్లు లేదా యూరియా బ్యాగ్ రాల్లి పూట రక్షణ ఇవ్వాలి. 6. శాందం తొలుడు మరియు అను ముదత పురుగుల నివారణకు కార్బామ్ హైడ్రోక్లోరైడ్ 2 గ్రా. లేదా క్లోరాన్థినిలో 0.3 మి.లీ. లను రీటరు నీటికి కలిపి పిరికారం చేసుకోవాలి. 7. వరి పైరు తగిన నివారణకు ఫిస్టాన్ 2.5 మి.లీ. రీటరు నీటికి కలిపి పిరికారం చేయాలి. 8. కార్బామ్ హైడ్రోక్లోరైడ్ గ్రామ్మాల్స్ ను ఎకరానికి 8 కిలోల వేసుకోవడం వలన కూడా వరి పైరు తగిన సమర్థవంతంగా పారింపవచ్చు. 9. కంటి నల్ల నివారణకు డైక్లోఫాల్ 5 మి.లీ. ప్రాపిక్లినోల్ 1 మి.లీ. లేదా స్పిరోమెసిఫెన్ 1 మి.లీ. ప్రాపిక్లినోల్ 1 మి.లీ. రీటరు నీటికి కలిపి పిరికారం చేయాలి. 10. వరిలో మాని పంట లేదా కాకుల తగ్గింపు నివారించడానికి ప్రాపిక్లినోల్ 1 మి.లీ. లేదా కార్బిండాజిమ్ 1 గ్రా. రీటరు నీటికి రెండు సార్లు పిరికారం చేయాలి. 11. పెద విరుపు తెగుళ్ల నివారణకు ట్రైప్లెజాక్లోల్ 0.6 గ్రా లేదా జిప్సోప్రోఫియోలేన్ 1.5 మి.లీ. ను రీటరు నీటికి కలిపి పిరికారం చేయాలి. 12. పాము పొద తెగుళ్ల నివారణకు హెక్సాకోనోల్ 2 మి.లీ. లేదా ప్రాపిక్లినోల్ 1 మి.లీ. ను రీటరు నీటికి కలిపి పిరికారం చేయాలి.

