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## National Seminar

On  
Empowerment of Rural Youth with Novel  
Agricultural Technologies  
(ERYNAT- 2021)  
28-29 January, 2022

Organized By  
The Andhra Agricultural Journal  
Agricultural College, Bapatla-522101  
Acharya NG Ranga Agricultural University

Name:

Gender:

Designation / University/ Organization :

Address for correspondence:

Mobile:

Email

Are you presenting a paper or poster:

Paper / Poster

Title of the paper:

Authors:

Accommodation required:

Yes / No

Date & Time of arrival:

Category of Delegate (please tick): Academician/ Industrialist/ Student/ Research scholar

Nature of Talk (please tick): Invited Talk/ Contributed Paper/ Poster Presentation

Payment Mode Please tick: Online/ Offline

The demand draft/multicity cheque should be in favour of "The Organizing Secretary, ERYNAT-2022" payable at Union Bank of India, Bapatla.

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Online transaction number:

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Details of accompanying person, if any:

Signature of delegate

(For Research Scholars)

This is to certify that Mr./Ms. .... is a Full-Time/Part-Time Research Scholar of the Department of ..... University.....

Signature & Seal of HOD



## National Seminar

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28<sup>th</sup>-29<sup>th</sup> January, 2022



Organized By  
**The Andhra Agricultural Union**  
(Governing body of the Andhra Agricultural Journal)  
**Agricultural College, Bapatla, Andhra Pradesh**  
**Acharya NG Ranga Agricultural University**



**Seminar Venue**  
**Agricultural College, Bapatla- 522 101.**

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**Dr. G. Ramachandra Rao**  
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**Organizing Secretary**  
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Professor  
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## Theme of the Seminar

Youth empowerment is an agenda of immense discussions and contemplation worldwide which has been on the top of lists of most government plans, programs and policies. Rural India today, is undergoing a rapid transformation. Even as agriculture continues to be a major source of livelihood for the rural population the younger generation is eager to branch out in new directions to gain practical information and learning for their improved livelihoods. Empowering youth is the need of the hour, as 27.5% of the population comprises the age group of 15-29 years, contributing about 34% of India's Gross National Income (GNI). Novel technologies in Agriculture such as precision farming by using crop simulation models for growth, yield and crop weather relations, use of soil and water sensors to address the aspects of fertilizer and water management, indoor and vertical farming with the use of sensors and automation, use of saline and brackish waters in agriculture, rhizosphere engineering, Nanotechnology, biorationales, antiviral agents and next generation sequencing in plant disease management, chlorophyll fluorescence and signal transduction for abiotic stresses and micro-irrigation. These technologies will inspire the minds of youth to move forward in the areas of research to expand the scientific horizons is the major objective of the seminar. The theme was chosen to address the challenges being faced by the younger generations in the world which have affected the sustainability of food and agricultural systems thereby the livelihoods of millions of farm families. The seminar will be studded with the activities of like key note address: the prestigious Dr.M.V.Reddy Memorial Lecture: Special invited talks by eminent agricultural scientists, presentation of contributory papers, poster presentations etc., which will be organized on the topics of interest of the conference.

## Acharya NG Ranga Agricultural University

Acharya NG Ranga Agricultural University (ANGRAU), a premier institute in agricultural education in India, has to its credit more than 50 years of remarkable service to the farming community and developed professional human resources in scientific Agriculture. ANGRAU has 5 Agricultural Colleges, 2 Colleges of Agricultural Engineering, 2 Colleges of Food Science and Technology, 1 College of Community Science and 19 Polytechnics. In addition, 6 Agricultural Colleges and 81 Polytechnics are working in affiliations to the university. The university is well known for its widely popular crop varieties and production technologies which are as a result of unparalleled efforts of 36 research stations and are reaching the unreached through strong extension efforts by 13 KVKs and 13 DAATTCs in the State. The University, amidst agri-rich farming situations, gaining importance as an institution of the National Importance with new vigour to the furtherance of agricultural prosperity and farmer welfare in the state.

## The Andhra Agricultural Journal

The Andhra Agricultural Union was started in 1954 at Agricultural College, Bapatla and it is publishing a scientific Journal "The Andhra Agricultural Journal" since its inception to educate and encourage the agricultural science fraternity. It publishes original scientific work related to strategic and applied studies in all aspects of agricultural and allied sciences, as well as reviews of scientific topics of current agricultural relevance. In the beginning, it was a bimonthly and later it was converted to Quarterly from 1982 onwards and registered with the Registrar of News Papers of India as Quarterly under The Press and Registration of Books Act, 1860 with Registration NO. 5751/57. The current volume is 66 and has a NAAS rating of 3.61

## AGRICULTURAL COLLEGE-BAPATLA

Agricultural College is the second oldest college in South India started in the year 1945. It is the biggest constituent college of Acharya N G Ranga Agricultural University and the college is celebrating its Platinum Jubilee. The college is offering B.Sc(Hons) Agriculture, M.Sc(Ag.) and Ph.D Programmes. Bapatla is an Agricultural Educational hub in the state of Andhra Pradesh, which is very close to the Bay of Bengal in the Guntur District. A famous Suryalanka Beach is only 8 Km from the Agricultural College. Bapatla is well connected by Rail and Road. It is 80 Km in the main line of the Chennai train route from Vijayawada. Regular Bus service is available from Vijayawada and Guntur APSRTC Bus stations to reach Bapatla. There is also an International Airport available in Gannavaram (20 km from Vijayawada).

### Broad Thrust Areas

The thrust areas of the seminar include but are not limited to the following topics:

Precision farming	Botanicals and biopesticides	Genetic enhancement	Price forecasting	Digital Agriculture
Nanotechnology	ITK's in plant protection	Biotechnology and microbiology	Market linkages for doubling of farmers income	Capacity building and entrepreneurship opportunities
Use of saline and brackish water	Organic farming	Soil fertility and management	Food processing and value addition	Group led extension and network of tribal youth
Agricultural waste management	Biorationales, Antiviral agents	Biodiversity and rhizosphere engineering	Post- harvest technology	ICT innovations
Geospatial technologies	Next generation gene sequencing	Integrated Crop Management	Phytochrome biology and regulation of plant reproduction	Drone technology
Soil and Water management	Indoor and Vertical farming	Climate resilient agriculture	Integrated Farming Systems	Natural & Human resource management

### Date and mode of the Seminar :

The seminar will be held on 28<sup>th</sup> and 29<sup>th</sup> January, 2022 through hybrid mode (offline and virtual).

### Call for Papers

The authors are invited to contribute their papers for presentation in the Seminar. There will be both oral and poster presentations. The abstract of the contributing paper should focus on the items such as the objective of the study, methodology, research findings and scope of the study. There will be a review of the abstracts by experts and the selection of the paper for oral or poster presentation would be based on the recommendations of the appointed committee. The Andhra Agricultural Journal is planning to bring out a special issue of the AAJ who presented and submitted a full length paper after the seminar. The authors are requested to prepare their full length paper and communicate the same as per the scheduled time. The participants are requested to send the abstracts of their papers as per the format mentioned below. They are also requested to send their soft copy to [erynat2022@gmail.com](mailto:erynat2022@gmail.com) before the scheduled date along with the filled registration form.

<b>Abstract Format:</b>	Please observe the following instructions while preparing the abstract
<b>Text Format:</b>	Microsoft Word format
<b>Title:</b>	Limited to 200 characters in length. Use initial caps in the title; do not use all caps
<b>Author(s):</b>	Type all authors' names with initial caps. Include affiliations for all authors using tags if necessary.
<b>Address:</b>	Contact/ Presenting authors' names and postal and e-mail addresses.
<b>Keywords and Phrases:</b>	Maximum 5 key words or Phrases.
<b>Abstract Body:</b>	Limited to 200 words
<b>Equipment Needs:</b>	Indicate your Audio-Visual equipment needs at the end of the abstract

## POSTER PRESENTATION

Display space (3x2 feet) available for display of Poster presentation

### AWARDS FOR BEST RESEARCH PAPER & BEST POSTER:

Interested persons are requested to submit the research Article (two hard copies with CD and Bio-data) addressed to Dr.D.Srinivas, Organizing Secretary, ERYNAT - 2022, Agricultural College, Bapatla – 522101  
**E-Mail: [erynat2022@gmail.com](mailto:erynat2022@gmail.com)**

### IMPORTANT DATES

Registrations Open	22 <sup>nd</sup> December, 2021
Last date for Abstract submission	17 <sup>th</sup> January, 2022
Confirmation of participant and request for accommodation	18 <sup>th</sup> January, 2022

### REGISTRATION FEES ( Excluding Accommodation ) :

All the participants are required to send the demand draft in favour of "The Organising Secretary, ERYNAT -2022" payable at Union Bank of India, Bapatla and online payment can be made through account No: 11851201000630, Union Bank of India, Agricultural College Road, Bapatla (IFSC: UBIN0811858). The following are the details of the registration fee. The accommodation charges will be borne by the delegates.

Participants	Registration Fee	
	Offline mode	Virtual mode
	On or before 17/01/2022	On or before 17/01/2022
Research scholars/Students	Rs. 500/-	Rs. 200/-
Researchers and Faculty members	Rs. 1000/-	Rs. 500/-
Industrial and Corporate Delegates	Rs. 2000/-	Rs. 1000/-

The printing / processing charges of the research paper for publication in the AAJ as a Special Issue with a nominal fee of Rs. 1000/-.

### Certificate will be issued to the registered participants

**Accommodation :** Participants are requested to make their own arrangements for their stay during the seminar days. However, we are pleased to announce the organizing secretary will give the necessary assistance for providing accommodation on request. There are good number of hotels as well as moderately affordable accommodation at Bapatla. The tariffs range from Rs. 500/- to 2500/- person/ night.

### Other Seminar Events

#### Dr. M. V. Reddy Memorial Lecture

The Andhra Agricultural Union is organizing a memorial lecture on the name of Dr. M. V. Reddy, Father of Samba Mashuri (BPT-5204)