



ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY

ANNUAL POST GRADUATE STUDENTS' NATIONAL CONFERENCE (APGSNC-2024)

ON

**NEXT GEN - AGRICULTURE : CROSS DISCIPLINARY
APPROACHES FOR AUGMENTING
FARM PRODUCTIVITY AND FARMERS' PROSPERITY**

2nd & 3rd April, 2024

AGRICULTURAL COLLEGE, BAPATLA

NACAFF-2024

ORGANISED BY

Post Graduate Students

Agricultural College, Bapatla - 522101

Acharya N.G. Ranga Agricultural University

Andhra Pradesh



Next Gen - Agriculture : Cross Disciplinary Approaches for Augmenting Farm Productivity and Farmers' Prosperity (NACAFF-2024)

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ABOUT THE CONFERENCE

Indian Agriculture is facing umpteen challenges like increased cost of cultivation, acute labor shortage, shift in consumer preferences and food habits in addition to growing demand for food to ever increasing population and depleting resources like land, water and energy. It is predicted that globally, agricultural sector will need to produce 70 percent more food to feed the world's projected 9 billion population by 2050. Climate change and Global warming are making the situation still worse and necessitating the dependence on green agricultural practices towards achieving sustainable development goal (SDG) with increased efficiency, productivity, and inclusivity in food production. Of late, the emerging disciplines like precision farming, smart agriculture innovations, next-gen agri-biotechnology tools, automation and technological innovations like indoor vertical farming, livestock production technology, modern greenhouse practices, artificial intelligence, and applied robotics have innovated a new paradigm in agriculture and its allied fields to meet the future food demand.

The Two Days Students' National Conference on "Next Gen-Agriculture: Cross Disciplinary Approaches for Augmenting Farm Productivity and Farmers' Prosperity (NACAFF-2024)" is an effort to highlight the importance of cutting edge technological innovations in Agriculture to assure access to sufficient, yet safe and nutritious food. The Conference typically aims to bring together a diverse range of student participants from various disciplines of Indian Agricultural Universities / Institutes in fostering collaboration and knowledge-sharing. The Conference will have the broader presence of eminent Scientists from National and International Institutes to deliver Key-note and Lead lectures in different thematic areas to update the knowledge and importance of the latest technologies in areas of sustainable food production systems. The participants have the opportunity to attend presentations (Oral and Poster) and discussions covering a wide array of topics such as crop management, precision agriculture, agribusiness strategies, sustainable practices and emerging technologies. Furthermore, NACAFF conference provides a platform for networking, allowing delegates to establish connections, sharing experiences and exploring potential research partnerships. This collaborative academic ecosystem encourages the development of innovative solutions to address the challenges faced by the current agricultural sector, including issues related to climate change, resource optimization based on global food demand. The events of the national conference may not only contribute to the overall development of students' competency, personality improvement and communication skills but also provide newer insights into the Sustainable Developmental Goals (SDGs) in agricultural education, research and extension at global level.

ABOUT ANGRAU

Acharya N.G. Ranga Agricultural University (ANGRAU) is a premier institute in agricultural education, research and extension in India. It has recently accomplished six decades of glorious existence in the service of the farming community, development of professional human resources in scientific Agriculture. ANGRAU has 7 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 62 Polytechnics are functioning in affiliation to the University. The University has 27 research stations to cater to the reach needs of the farming community through strong extension network of 13 KVKs and 13 DAATTCs in the State. The University has come up with the novel solutions to the areas of crop production and crop health management to meet the demands of the farmers along with the new crop varieties of regional significance. ANGRAU is very well recognized by the ICAR by claiming the Best Institute awards in Education, Research and Extension. The Institute has collaborations with various National and International Institutes for the students' and Faculty exchange programs and research.

ABOUT THE VENUE

Agricultural College, Bapatla, an ICAR accredited Institute, was established on 16th July 1945 and is the second oldest in South India after Coimbatore campus. It is the biggest constituent college of ANGRAU and the college has celebrated its Platinum Jubilee in the year 2021. The college is very well known for its mega rice variety, BPT-5204 (Samba Mahsuri). The college offers B.Sc(Hons.) Agri., M.Sc (Ag) and Ph.D. degree programs. The College has magnificent infrastructural facilities, advanced laboratories, knowledge resource center, central instrumentation cell, on farm activities and devoted teachers with scientific temperament. The College is located on the shore of Bay of Bengal in Bapatla District, Andhra Pradesh. Suryalanka (Bapatla) Beach is only 8 Km from the College and is a popular tourist attraction of the area. The beach is known for its serene atmosphere to enjoy the coastal beauty.

SUB THEMES

- 1) Unraveling the genetic potential to enhance crop productivity
- 2) Prudent resource management for augmenting yield and income in the perspective of soil, crop and environmental health
- 3) Recent trends in social sciences research for transformation of rural communities towards better living.
- 4) Emerging technologies in farm machinery, processing, and resource optimization
- 5) Mainstreaming community through homestead technologies

CALL FOR PAPERS

The Conference is planned with a sole motto to have fruitful deliberations on recent technologies so that students will gain the first hand information on these topics. The original research results of scientific projects or experiments can be submitted in a condensed form as an abstract / full length paper to the conference representing any of the above thematic areas through e-mail: apgsnc2024@gmail.com. The abstract/ full length paper must be precise and informative of the original research and it should not contain more than 300/ 2400 words, respectively. The font style is Times New Roman with size 14. The affiliations of all the authors must be clearly mentioned along with Presenting and Corresponding Authors' details. The Oral presentations (5 Minutes) are selected from the submitted abstracts based on the novelty and merit. The Poster size must be 1m x 1m. The submitted abstracts with the registration fee will be published in the compendium. The best papers selected in the conference will be published in NAAS rated Journal after receiving the prescribed charges. The students who wish to participate in the conference without any presentation can submit their requests to the above mail ID for registration. **Certificates will be issued to all the registered participants.**

REGISTRATION

The student delegates are requested to register for the conference by paying the registration fee to the Organizing Secretary, NACAFF-2024 by duly submitting registration form to apgsnc2024@gmail.com on or before 30/03/2024.

For Registration

CLICK HERE



: <https://forms.gle/6Gi9pQZHTNx DYGto8>

Registration Fee : Rs. 1000/- (Rupees One Thousand Only)
Mode of Payment : Online payment mode
Name of the Bank: Union Bank of India, Ag College Branch, Bapatla
Account No. : 118512010002365
IFSC code : UBIN0811858



For Payment, click on the above QR Code

ACCOMMODATION

Accommodation will be arranged for the registered participants in the hostels on first come first serve basis at free of cost and for the others accommodation may be booked on payment basis outside college premises.

IMPORTANT DATES



Last date for submission of abstract/ full length paper : 26/03/2024

Last date for registration : 30/03/2024

Conference Dates : 2-3, April, 2024

ORGANISING COMMITTEE

CHIEF PATRON

Dr. R. SARADA JAYALAKSHMI DEVI

Hon'ble Vice-Chancellor, ANGRAU

PATRONS

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FOR MORE DETAILS

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