

GOVERNMENT COLLEGE A RAJAHMUNDRY

DEPARTMENT OF BIOTECHNOLOGY

ACTIVITIES -NOVEMBER 2024

Students of Department Of Biotechnology , Presented Poster at International Conference on Biobased Environment for Sustainable Territory (ICBEST-24)

Held at Dr.B.R.Ambedkar Seminar Hall, Govt College (A) Rajamahendravaram.

and secured 2nd Prize

DST-SERB/ANRF SPONSORED
International Conference on Biobased Environment for Sustainable Territory (ICBEST-24)
7th - 8th November 2024

Identify approaches to add green governance
Bio Based
A Significant Collaborations to Bio-Based Alternatives
Collaboration
Environment Energy Consumption
Articulate

Organized By
DEPARTMENT OF CHEMISTRY

About the College
The educational establishment was first founded as a school in 1853 and transformed into a college in 1873 in the "river city" Rajamahendravaram. The college essence on education encompasses not only focused academic work but also the attainment of knowledge, ethical tenets, and intellect coordination. In addition to posing comprehensive education, it aims to provide strong and long-lasting edifying programs that align with the inclusive advancement of science and the societal liability to shape students as next generation of citizens. Abundant programs run by the college help to create an ambience that encourages students to think analytically and strive for excellence. The college has surpassed milestones in view of research, documenting that the staff's dedication to putting things into practice is meant to uplift the students' morale.

In due course of its excellence, college conferred as an autonomous status in 2000. As a result, the college has been working with prodigious for more than two decades. In this extent institution convoked as College with Potential Excellence (CPE) by UGC (University Grants Commission, Govt. of India) in the year 2016. Consequently, the institution accredited NAAC A+ with a CGPA of 3.38/4.00 by the revised framework in the year 2017 during third cycle, and is being driven forward utmost standards. DST-FIST has sanctioned an amount Rs.80 lakhs to the college to advance the facilities for training and research in all science branches. Currently, the college serves the educational needs of about 1000 students in the Rajamahendravaram suburbs by providing 53 undergraduate programs and 14 postgraduate streams. In addition, 9 research centres located here offer doctoral fellowship programs to the academic community. Lastly, we take great pride in stating that AdikaviNannaya University and Andhra University are recognized our research study Centre.

Chemistry Department
The Department of Chemistry is large and having 33 staff members. In this conscientious force each member is well-connected in skill orientation with one another in order to attain desired results of the student community. In light of the global scientific events, the department will conduct special celebrations to raise student understanding and encourage involvement for their future exposure. The initiatives aim to bridge the gap between laboratory research and practical applications through participatory lectures, field tours, and collaborative projects with neighbouring research clusters and natural habitats. The collective efforts of the staff leverage the student scientific deliverables and foster to posing 16 under graduate course streams, 3 post graduate and 2 certified course streams. Moreover, the students have shifting their assortment towards industrial chemistry, in this extent the department has recently introduced novel career-focused courses.

About the Conference
The International Conference on Bio-based Environment for Sustainable Territory (IC-BEST), a premier event dedicated to exploring innovative bio-based solutions for environmental sustainability. This conference aims to bring together leading researchers, industry experts, policymakers, and students to discuss the latest advancements and challenges in the field and involves Technical Sessions, Paper Presentations. Join us at the ICBEST-2024 and be a part of the global effort to create a sustainable territory through green governance.

Objectives of the Conference

- Key initiative for biobased alternative transformation for mankind
- Carbon Removal from the environment for climate justice
- Consumption Trend of Biochar and Waste Management
- Green Nano materials for pollutants mitigation
- Environmental Policy and Green Governance

Registration Fee:-
Indian Students/Scholars: INR 300 **For Registration: [Click here](#)**
Staff/Scientists/Faculties: INR 1000
Staff from Industry: INR 2000
Foreign Participant / Accompany: USD 10
Note : Accommodation provided on a paid basis to conference participants


Call for Papers :
The authors are encouraged to present their research work. The abstract should contain 300 words in Times New Roman with font size 12pts, 1.5 line spacing may be submitted in .doc/.docx file with the author's name (presenting author name to be underlined), affiliation and corresponding author email ID by **20th October 2024**. Full Paper must be submitted in Springer format with minimum of 5 pages by **30th October 2024**. All accepted papers after peer review would be published in the **Scopus Indexed** Springer journal

SPEAKERS

 Chief Patron Dr. P. Balakrishna IAS Commissioner APCCO	 Patron Dr. Krishna Chaganti Joint Director APCCO	 Guest of Honour Dr. S. Sankar Reddy RJD (Zona I&II)	 President Dr. Ramakrishna BK Principal Government College (A) Rajamahendravaram
 Prof. Prasad Kumar Department of Chemistry College of Science Sriharikota University, Chandrababu Naidu	 Dr. Raju Kumar S Senior Project Scientist, IISCT, Rajamahendravaram	 Prof. S. Sankar Reddy Professor & IAS Department of Applied Physics Sri. Venkateswara University, Tadipatri	 Prof. S. Sankar Reddy Professor & IAS Department of Applied Physics Sri. Venkateswara University, Tadipatri
 Prof. Sankar Reddy Assistant Professor Department of Chemistry Sri. Venkateswara University, Tadipatri	 Dr. V. Kalyan Reddy Assistant Professor Department of Chemistry Sri. Venkateswara University, Tadipatri	 Prof. S. Sankar Reddy Professor & Chairman Dept. of Physics Sri. Venkateswara University, Tadipatri	 Dr. R. Lakshminarayana Reddy Professor & Chairman Department of Chemistry Sri. Venkateswara University, Tadipatri
 Dr. B. Sankar Reddy Assistant Professor Department of Chemistry Sri. Venkateswara University, Tadipatri	 Dr. Sankar Reddy Assistant Professor Department of Chemistry Sri. Venkateswara University, Tadipatri	 Dr. Sankar Reddy Assistant Professor Department of Chemistry Sri. Venkateswara University, Tadipatri	 Dr. Lakshminarayana Reddy Assistant Professor & Scientist Department of Chemistry Sri. Venkateswara University, Tadipatri

Poster Title : Promoting sustainable Agroforestry , rice , fish , duck and forest.






Government College Rajahmundry **NAAC A+**
 An Autonomous Institution since 2000
 Affiliated to Adikavi Nannaya University
3.33/4.00
 (RAI-2017)

Department of Biotechnology


Promoting Sustainable agroforestry by rice, fish, duck, forest

Presented by:
Shalem.L, Sudheer.ch, Shahidha.MD, Sreeya.P




Duck farming

"Duck stirs the water. They help control the weeds and eats the pests. It's improve the water quality."




Fish pond

The role of fish ponds in integrated farming it's provides central location for the production fish in conjunction with other like agriculture and livestock activities. Integrate farming have many benefits like low cost budget and increased economy and its organical way.




Rice farming

The main role of paddy in integrated farming is to create a mutualistic relationship with other activities, such as fish culture or cattle integration, that can increase the yield and production of both paddy and the other activity



Forest

Forests and trees provide a shelterbelt and wind breaks effect which is beneficial to agricultural crops, particularly in arid and semi-arid areas, and increase in agricultural production



Positive impacts

- Waste to wealth and soil health
- Eco recycling of agriculture residues
- Minimization of pesticides
- Round the year employment
- Sustainable food and nutritional security

Negative impacts

- Some times ducks eat the ripe crops
- The crop should be protected in climate changes
- Lack of efforts to interaction in this system

Future prospects

- The future of integrated farming systems (IFS) is promising, with many trends and innovations that can lead to more sustainable food production, environmental stewardship, and economic viability

Students receiving 2nd Prize for Poster Presentation

