

U.G.C. SPONSORED NATIONAL SEMINAR

On

## "EMERGING TRENDS IN AQUACULTURE"

(Co-Sponsored by DST, Govt. of India)

4<sup>th</sup> & 5<sup>th</sup> September, 2009



Hosted by..

**Department of ZOOLOGY**

**D.N.R. College (Autonomous)**

(Accredited at the "A" Level by NAAC)

BHIMAVARAM-534 202

West Godavari District, A.P.

Website: [www.dnrcollege.org](http://www.dnrcollege.org)

e-mail: [dnrzoology@yahoo.in](mailto:dnrzoology@yahoo.in)

Phone: 08816-224119. Cell: +91 9441447283

### PROFILE OF THE COLLEGE

Dantuluri Narayana Raju College was established in 1945 as an offshoot of freedom movement. It came into existence due to the selfless motive of Sri. Dantuluri Narayana Raju, a freedom fighter and a social activist, with the help of many philanthropists of this area. The College provided the much needed quality higher education. In 1971 Postgraduate courses were introduced in this college which was the first of its kind in the Andhra University area. In view of the outstanding academic excellence maintained by the college, the University Grants Commission conferred Autonomy to the College in 1987. A research centre was established in our college in the year 2006. Dedicated and selfless services rendered by the successive managements of the college made the college a "Mecca of Education". As a mark of recognition to the quality education that is being provided, the college was accredited at the 'A' level by NAAC in Feb, 2005. As on today about 9000 students are pursuing various courses offered by D.N.R. College management.

### ABOUT THE DEPARTMENT

The ZOOLOGY department was established in the year 1947. The hall mark of the department is the Zoology Museum with rarest of the rare collections, and it is considered as the best museum among affiliated colleges of Andhra University.

A separate aquaculture museum was setup to the students as well as to cater the inquisitive needs of the aqua farmers. With the advent of aquaculture, a new 'BLUE REVOLUTION' was emerged in this area. With all the necessary equipment and expertise, the department actively engaged in giving advice and suggestions to aqua farmers relating to growth promotion and fish diseases etc. The department is proud to produce three Andhra Pradesh State Best Teacher award winners out of eleven in this college. It is not exaggeration to say that the Zoology Department has carved a special niche for itself in the college as well as in the state.

### SCOPE OF THE SEMINAR

From last two decades aquaculture has been growing rapidly and brought with it the problem of environmental pollution. Contamination of natural surroundings due to aquaculture activities is posing serious threat. The inputs used in the form of chemical manures, pesticides, antibiotics, various chemicals and poultry dung act as serious constraints for the health of aquatic organisms and their environment. The effect of residues of the chemicals, deficiency of the nutrients and ecological imbalance of the microbes cause concern to the fish and human health. This is also responsible for the deterioration of the environment (particularly the quality of drinking water resources). The chemicals also disturb the ecological balance by killing the beneficial microbes which protect the quality of pond water and health of fish thus damaging biodiversity of aquaculture ponds.

An integrated approach is necessary to provide the technological infrastructure which reduces the gap between actual and potential yield.

Reducing the cost of production through biotechnology and improving income through efficient production will help in enhancing the opportunities for skilled employment, fish and human health and environment. Novel strategies are required to make additional income through farming system diversification and value addition. For defending the income already made, an important requirement is the development and adoption of technologies that will lead to economic gain without ecological loss.

### OBJECTIVES OF THE SEMINAR

- \* The main objective of the seminar is to make the students, scientists, field technicians, aqua farmers and all the responsible community to be aware of recent advancements, eco-friendly approaches and emerging trends in the field of aquaculture.
- \* To discuss on problems and challenges in the present area and to bring out possible recommendations for the best management practices and sustainable aquaculture.

\* To bring the importance of usage of probiotics, organic manure, biological disease controlling methods, biopesticides etc., for healthy, sustainable and profitable aquaculture.

#### CALL FOR PAPERS

Students, Researchers, Teaching faculty, Aqua farmers, Field Technicians, and Environmentalists who are working in the field of aquaculture. are requested to submit their abstract's and full length papers on or before 17th August 2009, in MS-Word format by E-mail to [dnrzoology@yahoo.in](mailto:dnrzoology@yahoo.in). The papers approved by a peer committee would be published in the seminar proceedings.

#### The Papers are invited in the following thrust areas

1. Aquaculture
2. Fish and Fisheries
3. Aquatic Biodiversity
4. Fin fish and shell fish diseases
5. Nutrition of cultivable Aqua species
6. Polyculture systems
7. Aquatic pollution and Bioremediation
8. Probiotics and Aquaculture
9. Biotechnology and Aquaculture
10. Conservation of Aquatic system
11. Post harvesting Technology
12. Socio-economical issues related to Aquaculture
13. Aquarium Fish Culture

#### COMPETITIVE ARENA

\* Prizes will be awarded for the **BEST ORAL PAPER PRESENTATION**.

\* For Research scholars and students (Below 35 years)

- a. One Prize for the **BEST INNOVATIVE RESEARCH IDEA**
- b. One prize for the **BEST POSTER PRESENTATION**

**Note :** kindly produce any proof of date of birth

#### REGISTRATION

All the participants and their accompanying members are requested to register by paying the necessary registration fee. Participants are requested to fill the enclosed registration form (Xerox copies may also be used) and mail it to the Convener along with registration fee. The registration fee includes a seminar bag, seminar material, breakfast and lunch. Accompanying persons are entitled for every thing except the seminar kit.

Category	Early Registration (Before 20-08-2009)	Late Registration (Before 31-08-2009)	Spot Registration
Delegate	Rs. 200-00	Rs. 250-00	Rs. 300-00
Research Scholars / Students	Rs. 150-00	Rs. 175-00	Rs. 200-00
Accompanying person	Rs. 100-00	Rs. 125-00	Rs. 150-00

(D.D. should be drawn in favour of The Convener, UGC's Zoology National Seminar payable at Bhimavaram)

#### THE VENUE AND ACCOMODATION

Bhimavaram is the most important academic and economic centre of West Godavari District, which metamorphosed from Rice Bowl of India to Rich centre of Aqua farming. It is well connected by road and rail to Vijayawada (108 KM), Rajamundry (80 km) and by road to Tadepalligudem (30 km) and Eluru (60 km).

Moderate accommodation on sharing basis can be provided for limited outstation female participants on advance request. If hotel accommodation is desired, organizers will help in finding suitable accommodation at discount rates, on advance payment.

#### For Details Contact :

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M.Sc.,

Convener / Organising Secretary,  
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#### REGISTRATION FORM

**Name :** \_\_\_\_\_

**Gender :**  M  F

**Designation :** \_\_\_\_\_

**Institution :** \_\_\_\_\_

**Address :** \_\_\_\_\_

**Mobile No. :** \_\_\_\_\_

**E-mail id :** \_\_\_\_\_

**Presenting a Paper :** Yes  No

**Mode of Presentation :** Oral  Poster

**Title of the Paper / Poster** \_\_\_\_\_

**Registration fee Details : Demand Draft**  
(Drawn in favour of The Convener,  
UGC's National Seminar payable at Bhimavaram)

**DD. No. :** \_\_\_\_\_ **Date :** \_\_\_\_\_

**Bank** \_\_\_\_\_ **Amount Rs. :** \_\_\_\_\_

**Whether participating in Innovative Research idea competition :** Yes / No

**Accommodation required :** Yes / No  
(For out station female participants only)

**Station :** \_\_\_\_\_

**Date :** \_\_\_\_\_ **Signature** \_\_\_\_\_