

International Conference on  
**Biotechnology in Human Welfare**

7<sup>th</sup> - 9<sup>th</sup> February, 2013

Organized by

**DEPARTMENT OF BIOTECHNOLOGY**

**KAKATIYA UNIVERSITY**

VIDYARANYAPURI, WARANGAL-506 009 AP INDIA

(Accredited with 'A' Grade by NAAC)

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## ABOUT WARANGAL

Warangal enjoys the unique distinction of being the capital of great family of rulers, known as the Kakatiyas, who established their sovereignty over vast areas of the Telugu speaking country between 1150 AD and 1323 AD. The word Kakatiya derives from the name of the diety Kakati, whom the Kakatiyas worshipped. The host university of this international conference is appropriately named after the kakatiya rulers who patronised arts, sculpture, literature and science.



### WARANGAL FORT

The great circular fort is surrounded by an outer earthen wall and an inner **masonry** one. The famous temple of **Kesava-Sri Swayambhu**, constructed by **Ganapathideva**, was destroyed and dismembered by a General of the Qutubshahi kings. The ruins strewn all over however, bear eloquent testimony to its original beauty and sculptural grandeur. One of its distinctions is the possession of four great gateways, **Toranas**, which stand high and sublime even to this day as proof of the imagination, ingenuity and artistic architectural excellence of their makers. Appropriately enough, Kakatiya University had adopted the great gate-way on its logo.

### THOUSAND - PILLARED TEMPLE:

The Thousand - pillared Temple, built by **Rudramadevi** is the most important monument at **Hanamkonda**. The highly ornate workmanship on the doorways of the garbhagruha, the artistry on the massive pillars and on the ceiling, charm the devotee and the tourist alike. On a narrow platform connecting the **Trikuta** and a **Mantapa** to the south is placed, the celebrated **Nandi**, a massive monolithic masterpiece in granite. Its profuse ornamentation exhibiting intricate diverse patterns the precision of its workmanship and the natural delineation make it a symphony in stone.

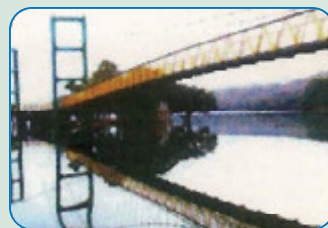


### BHADRAKALI TEMPLE

Situated on the bund of the **Bhadri tank** in between Hanamkonda and Warangal, and it has been renovated in recent times. The figure of the diety is now a painted **Chamundi** strewn in rock. She has multiple hands carrying various weapons and is seated on a corpse.

### RAMAPPA TEMPLE

The great temple of **Palampet** (sixty kilometres from Warangal) dedicated to **Rudreswara** in 1223 AD is said to be a happy synthesis of the best in **Western Chalukyan**, **North Indian Hoysala** and **Dravidian styles** of architecture. The famous **Nagini** is one of the twelve figures brackets with their haunting melodies. The nandi mounted on a raised pedestal in the mantapa is unique in its exquisite polish, that feels like velvet. The bricks used for the gopura of the Siva temple float on water, that speaks volumes of their scientific excellence. The University has been most aptly named after the **Kakatiyas** and its area after **Vidyaranaya Swami** the renowned Warangal saint and vedic savant who left Warangal around 1326 AD and founded the **Vijayanagar empire**. Today a large number of these historical edifices have become centres of tourist attraction.



### LAKNAVARAM LAKE:

One need no longer travel all the way to Rishikesh for the **Lakshman Jhoola** experience or **Golden Bridge** in San Francisco, **USA**. Our very own Laknavaram in Warangal now has a spring suspension bridge where one can live the experience. The 160-metre-long suspension bridge is the first ever suspension bridge to be built in the state. Built on the hill-hemmed and scenic Laknavaram lake, 70 kms from Warangal city, the bridge connects two of the seven tiny lake islands. This is the only second suspension bridge in South India.

## UNIVERSITY AT A GLANCE :

**Kakatiya University** was established on **19th August 1976** by upgrading the erstwhile post-graduate center of Osmania University. This historical event signified the fulfillment of long cherished aspirations of the **Telangana** and heralded a new era in the realm of higher education catering the needs of this region. The jurisdiction of the University was confined to Warangal municipal area and later it was expanded to the four districts of **Warangal, Karimnagar, Khammam** and **Adilabad** of northern Telangana region. Ever since its establishment, the university has been making great strides in achieving academic excellence and it has been re-accredited with '**A' grade**' by the NAAC. Kakatiya University is now offering programmes in Engineering, Pharmacy, Law, Computer Science, Business Management, Education, Science, Arts, Commerce, Oriental courses in the University, constituent and affiliated colleges. In addition to this, the University is offering a large number of programmes under distance mode through School of Distance Learning and Continuing Education (SDLCE). The University is vibrant with research activities carrying out the projects sponsored by various funding agencies such as UGC, CSIR, DST, DBT, AICTE, DRDO, MHRD, MoEF, Planning Commission, ICSSR and ICHR. The University Grants Commission, New Delhi, is supporting eleven departments (Botany, Pharmacy, Economics, Telugu, Public Administration, History, Commerce, Chemistry, Physics, Microbiology and Biotechnology) under its SAP- DRS programme.

## ABOUT THE DEPARTMENT :

The M.Sc. Biotechnology Programme was introduced in 2000 under aegis of Botany Department and later on it was elevated as an independent department in 2004. Presently, it is a full fledged department with seven faculty members, a separate building and adequately equipped infrastructure to train the students and research scholars. Faculty members are experts in modern areas such as Genetic engineering, Molecular Biology, Plant tissue culture, Transplastome Technology, Plant-Nematode interactions, telomerase and Cancer Detection. Most of the faculty members worked in research laboratories in Germany, USA, Brazil, Netherlands, Australia, Hungary etc, and they received several International and National Awards and Honours. The department has established linkages with Murdoch University (SABC-WA), Australia, Botanisches Institut Ludwig Maximilians-Universität München Germany, Groningen University, The Netherlands and National Center for Genetic Resources & Biotechnology EMBRAPA/CENARGEN Brasília, Brazil. The department is recognized by UGC New Delhi under SAP-DRS programme (Phase-I) and DST under FIST programme for its credibility and DBT, New Delhi has sanctioned Bioinformatics Infrastructure Facility with Internet connectivity through which we are accessing biological databases on public domain and e.journals; this facility is of immense help to researchers. Earlier, the department also organized two **International Conferences** successfully in the year 2008 & 2010.

## THEME OF THE CONFERENCE :

Increased sustainable agricultural productivity is one of the Nations primary priorities today. Only S&T interventions can allow us to rise to the challenge. Plant Biotechnology and Molecular Biology are cutting edge weapons in our fight against hunger. We must look to generation of new variability and also to improve genetic quality by Molecular Engineering. With the unprecedented expansion of biotech products that include pharmaceuticals, crops and microbes, a global perspective of this technology and its application is necessitated. The importance of India in the field of Biotechnology is manifold. In addition to generating trained manpower and a knowledge base, India is proving to be an ideal setting for manufacturing activities and high-level biotechnology research programmes. This International Conference will be beneficial to the students and researchers of this region. Scientists of international repute will be delivering plenary lectures on topics relevant to sustainable agriculture, biodiversity conservation, environmental protection and bioinformatics etc. The main aim of the conference is to create a scientific ambience for interaction between scientists of international repute and budding scientific force for development of strong human resources in the country.

## BROAD AREAS TO BE DISCUSSED :

Plant Stress Tolerance, Plant Interactions, Genomics, Plastid Transformation, Evolution and Phylogeny, Plant Molecular Biology, Nanobiotechnology, Genetic Engineering, Molecular Markers & Breeding, Biodiversity Conservation, Microbial and Environmental Biotechnology, Disease Management in Crop plants, GM Crops & Food Security, Biofuels, Bioinformatics.

### **IMPORTANT DATES**

Last date for receipt of abstract : 15<sup>th</sup> January, 2013  
Submission of full length paper : At the time of conference  
Dates of conference : 7<sup>th</sup> to 9<sup>th</sup> February, 2013

### **REGISTRATION FEE**

Delegates - Rs. 1500/-, Scholars & Students - Rs. 1000/-  
Foreign Delegates US \$ 100

DD may be drawn infavour of "Organizing Secretary, International Conference"

**Accommodation will be arranged on payment**

### **PAPER PRESENTATION**

The abstract should not exceed 250 words and should reflect the central idea of the Conference.

Attach the file and send to the following ID: [icbtkuwgl@yahoo.com](mailto:icbtkuwgl@yahoo.com)

**The abstract should be prepared using MS-Word and contain the following details:**

Title and Name of the author(s), Address and E-mail ID.

### **ORAL & POSTER PRESENTATIONS**

Oral and Poster presentations can be based on the theme of the Conference.

Creative and innovative ideas are always encouraged.

### **AWARDS**

Awards are constituted for the best Poster and Oral presentations

Address for correspondence

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## REGISTRATION FORM

(To be filled in block letters)

I wish to attend the **International Conference on Biotechnology in Human Welfare** organized by the Department of Biotechnology, Kakatiya University, Warangal, AP, India.

Title of the Paper .....

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