



National Symposium  
on

# Plant Biology and its Role in Sustainable Food and Energy Production

March 17- 18, 2012

Venue

Department of Botany  
Guru Ghasidas Vishwavidyalaya  
Bilaspur-495009, Chhattisgarh

## About University

Guru Ghasidas Vishwavidyalaya, established in 1983 as state university and subsequently upgraded to central university in 2009 (under central universities act 2009), is spread over in 656 acres of land in outskirts of Bilaspur, Chhattisgarh. University offers UG, PG and Ph.D. programmes in various discipline under nine different schools and thirty departments. University is continuously marching towards attaining the academic excellence and actively engaged in improvement of the socially and economically challenged society of Chhattisgarh by providing quality education and research.

## About Department

Department of Botany is recently established (2009) and running undergraduate and post-graduate and PhD programmes in Botany. Department has very well-trained, internationally recognized faculties with outstanding capabilities on various aspects of plant science. Department is also well equipped with several sophisticated instruments e. g. LC-MS/MS, Real-Time PCR, Atomic Absorption Spectrophotometer, etc. It is actively involved in carrying out excellent research and development activities in various disciplines of plant biology e. g. Stress metabolism of plants, management of abiotic/biotic stresses, plant responses to global climate change, algal biofuel and carbon sequestration, biodiversity conservation, plant tissue cultures and many other advance aspects of botany

## About Bilaspur

Bilaspur is the second largest city of the Chhattisgarh state, located on the banks of the rain-fed Arpa River, which originates from the high hills of the Maikal Range of central India. Bilaspur is known for its aromatic Doobraj rice, handloom woven colorful soft Kosa silk Saris, and more for its rich, varied and colorful culture. Bilaspur District has a major contribution in the naming Chhattisgarh region as "Dhaan Ka Katora (Rice Bowl)". This dolomite rich region is surrounded by lush green forests in the north and the coal mines of Hasdeo valley in the east, Bilaspur is tremendously rich in biodiversity and surrounded by several national parks and tiger reserves e.g. Achanakmar, Kanha, Pench, and Bandhavgarh. The weather during March is pleasant with average minimum and maximum temperature being 24°C and 32°C.

## How to reach

Bilaspur can be reached by rail, bus or air. City is well connected with most parts of the country by rail network. Frequent bus services are also available to and from various major cities of Central India. The nearest airport is located in Raipur about 110 km away from Bilaspur and has daily flights from New Delhi, Kolkata, Mumbai and other major cities.

## About Symposium

Sustainable food and energy production to nurture the overgrowing population on the planet are the major challenges in front of society. Gradually declining arable farmland and decreasing agricultural productivity due to human occupancy, soil degradation and environmental extremes are further worsening the conditions of crop and energy production throughout world. These global challenges can only be met by the strong fundamental understanding of plant biology and their translation in field-based solutions. Therefore, organization of a forum on "Plant biology and its role in sustainable food and energy production" to discuss and exchange the thoughts and ideas on the subject is quite appropriate with current scenario. Hence, the role of plant biology in meeting the above-mentioned challenges will be assessed and addressed by involving following aspects:

- ❖ Plant responses to abiotic stresses and their management
- ❖ Plant responses to biotic stresses and their management
- ❖ Crop productivity in relation to global climate changes
- ❖ Reclamation and management of agricultural soil using plants
- ❖ Production of bio-energy crops, biofuel and carbon sequestration
- ❖ Assessment of the efficiency of algae for biofuel production

## Call for Papers/ Posters:

The scientific program committee invites you to submit for oral and poster presentation during different sessions of the symposium. The abstract must be submitted electronically/ by post to the organizing secretary, email: <ggvbotany@gmail.com> no later than March 01, 2012. The abstract should not exceed 500 words. The title of the abstract should be typed in font size 14. The complete postal addresses of the authors along with the email address and fax no. of the corresponding author should be provided. The name of the presenting author should be underlined. The text of the abstract should be typed in Times New Roman with font size 10. The medium of all papers shall be English. It is proposed to publish proceedings of the symposium in any journal of international repute containing a selected number of full papers and invited lectures. Interested participants may submit their full papers to organizing secretary by email.

## Specifications for Poster:

Posters will be displayed for the symposium according to set up times. The ideal poster size should be max. 100 cm high x 75 cm wide. Fasteners (double sided tape) will be provided at the site.

## Registration Fee

Registration fee (as given below) be deposited through crossed demand draft in favour of the Registrar, Guru Ghasidas Vishwavidyalaya and sent to Organizing Secretary on or before March 01, 2012. Registration may be allowed after due date with payment of additional Rs. 200.

Delegates from Academics: Rs. 1000

Research Scholars/Students: Rs. 500

Delegates from Industry: Rs. 5000

## Accommodation

Accommodation may be arranged in University Guest House.

*Correspondence be addressed to*

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