

#### About the Seminar:

The world has witnessed extraordinary advances in science over the last few decades. Biotechnology one such area of growth is an umbrella term covering a broad spectrum of scientific applications used in many sectors, such as health and agriculture. It involves the use of living organisms or parts of living organisms, to provide new methods of production and make new products. However, from new vaccines to prevent disease to genetically modified plants with resistance to pests from replacement heat valves that are better accepted by the body to treatments for human infertility and from bacteria capable of cleaning up oil spills to environmentally friendly Biofuel – biotechnology like any new technology, offers us potential benefits and potential risks. This area of sciences has little demarcation between basic and applied research and new discoverers and innovations. Innovations, techniques and tools that have emerged and revolutionized modern biotechnology include plant and animal biotechnology, bioprocessing technology and structure based molecular designs including drug discovery, drug targeting and delivery systems. Plant Stress Tolerance, Genomics, Plant Molecular Biology, Plant Microbe Interaction, GM Crops & Food Security, Biofuel. The main aim of the seminar is to examine present issues and challenges to analyze trends and scenarios and to explore the future possibilities and developments in redesigning the forthcoming biotechnology research in relation to the changing dynamics of user expectation. In this background, it was felt befitting to organize a two – day National Seminar on the theme of **“Recent Advances in Biotechnology”** with the following objectives.

#### Objectives:

1. To explore the inter and multidisciplinary research in the areas where Biotechnology and related technology get together.
2. To offer universal platform for academicians from Universities, scientists from R & D laboratories and experts from Industries for exchange of thoughts in Biotechnology research.
3. To build partnership between Department of Biotechnology, Dravidian University and other Biopharma organizations for collaborative research.

#### Sub Themes:

- a. Plant Biotechnology
- b. Animal Biotechnology
- c. Microbial Biotechnology
- d. Industrial Biotechnology
- e. Drug Design and Bioinformatics
- f. Pre – Clinical Trails
- g. Metabolic Engineering
- h. Conservation of Herbal Resources
- i. Herbal Cosmetics and Nutraceuticals



#### Plenary & Invited Lectures:

The seminar includes plenary and invited lectures by eminent scientists from National laboratories industries and Academic institutions.

#### Oral and Poster Presentations:

The Seminar has oral and poster presentations. Abstract should be submitted in A4 format, as a word document (Times New Roman, Font 12 with single line spacing) not exceeding 250 words as an e – mail attachment:

E – Mail: [nsrab2017@gmail.com](mailto:nsrab2017@gmail.com) (or) [sripriyashok13@gmail.com](mailto:sripriyashok13@gmail.com).

#### Target Groups:

Faculty/Research scholars/Scientists from industries, National laboratories and Universities working in the areas related to sub – themes of the seminar.

#### About University:

The Dravidian University was established by the Government of Andhra Pradesh through a Legislature Act (No. 17 of 1997) at Kuppam, Andhra Pradesh, India. The Dravidian University is located in a linguistic trijunction in the south – western tip of Andhra Pradesh at Kuppam, 8 k.m away from Tamil Nadu and 4 k.m from Karnataka, a region historically known for its integrated character in terms of language and culture. Located in the Gudupalle Mandal, Chittoor District, A.P., the campus has sprawling, picturesque and serene setting spreading over 1093 acres with greenery and impressive hillocks presenting a typically pollution – free rock garden. It is located at 750 MSL. The temperature during March ranges from 24 – 29 degree Celsius.

The international perspective of Dravidian research, modern perceptions of Higher learning and regional demands of a backward rural area – three distinctly different dimensions – have fused into one that led to the formation of Dravidian University, multiplying its obligations and responsibilities by manifold, much different from other universities. It is envisaged as a collaborative venture of all the four Southern states with a motto of integrating the different linguistic groups of the Dravidian family, which have made rich historical contributions to the cultural mosaic of the country. Kuppam is on the main railway line from Chennai to Bangalore. Kuppam is well connected with Krishnagiri, Kolar Gold Fields and Tirupathi by road. Kuppam is also very near to Bangalore and Chennai international air – ports.



#### About the Department:

The Dravidian University started two years course on M.Sc., Biotechnology during the academic year 2008 -09 with the intake of 30 students with thrust areas such as Medicinal Plants, Animal, Environmental, and Microbial and Agricultural biotechnology. Ph. D and M.Phil research programmes was also starts with 10 research scholars. With the UGC – Non Sap support department acquired research laboratory, tissue culture laboratory, animal biotechnology laboratory, bioinformatics laboratory. The department also developed ten acres of medicinal plant garden with 250 species and 4000 plants with drip irrigation system along with modern animal house facility in the campus.

#### Awards:

Best Poster and Oral Awards will be awarded in each category.

#### Registration Fees:

Faculty	Rs. 250/-
Students	Rs. 200/-

Registration fees should be sent by Demand Draft in favour of **“Organizing Secretary, NSRAB - 2017”** Payable at Kuppam.

#### Important dates:

Submission of Abstract	:	25.01.2017
Acceptance of confirmation	:	05.02.2017
Last date of Registration	:	05.02.2017

#### Travel Support:

In view of the paucity of funds, the delegates are advised to make their own arrangements for travel.

#### Accommodation:

Accommodation would be provided to the delegates, research scholars in the university guest house at normal charges.

Hotel	Room type	Tariff
University Guest House	A/C Room	500/-
University Guest House	Shared accommodation	300/-

#### Contact Details:

**Organizing Secretary**  
**Dr.D.Sripriya,**  
Assistant Professor,  
Department of Biotechnology,  
Dravidian University, Kuppam.  
Phone No : 9000299691.



E – mail: [nsrab2017@gmail.com](mailto:nsrab2017@gmail.com) (or) [sripriyashok13@gmail.com](mailto:sripriyashok13@gmail.com).

## Registration Application Form

Name:

Designation:

Department/Institution:

Sex: Male / Female:

Address for Communication:

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Mobile No:

E - Mail:

Educational Qualification:

Registration Fee Details:

Amount: DD No: / UTR No.:

Date:

Bank & Branch:

Whether Accommodation Needed Yes / No:

Vegetarian / Non – Vegetarian:

Travel Plan Details:

Arrival / Departure:



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**UGC SPONSORED**

Two Day National Seminar

ON

**“Recent Advances in Biotechnology”**

(NSRAB - 2017)

9th & 10th February - 2017



**Chief - Patron**

**Prof. E.Sathyanarayana**

Vice - Chancellor

Dravidian University, Kuppam

**DRAVIDIAN**

**UNIVERSITY**



**Organizing Secretary**  
**Dr.D.Sripriya**  
Assistant Professor  
Department of Biotechnology  
Dravidian University, Kuppam

