



National Exhibition  
National Seminar  
Farmers Meet  
Training Programmes  
Buyer-Seller Meet  
Documentary Shows  
Photography Contest  
Cultural Programmes  
Competitions

FOCAL THEME

Conserving Diversity

Preserving Identity

Promoting Value Addition

# NATIONAL Banana Festival 2018

Kalliyoor, Thiruvananthapuram, Kerala

17 - 21 February 2018

Organiser



centre for innovation  
in science & social action



United Nations  
Educational, Scientific and  
Cultural Organization

With the support of

**New Delhi Office**

Cluster Office for Bangladesh,  
Bhutan, India, Maldives,  
Nepal and Sri Lanka

## Partners



Kalliyoor  
Grama Panchayat



Regional Centre of Expertise  
acknowledged by UN University



Mitraniketan  
Krishi Vigyan Kendra



Indian Council of  
Agricultural Research



Council of Scientific  
& Industrial Research



ICAR - National Research  
Centre For Banana  
Tiruchirappalli

## Supporters

## Knowledge Partner

# *Greetings from* **National Banana Festival !!**

Dear friends,

We are glad to announce the National Banana Festival (NBF) 2018 from 17 to 21 February at Kalliyoor, Thiruvananthapuram, Kerala. The festival is organised by Centre for Innovation in Science and Social action (CISSA) in partnership with Kalliyoor Grama Panchayath and a host of National and State organisations.

Banana is the one of the oldest fruits known to mankind and is one of the most widely consumed fruits in the world. Availability, affordability, varietal range, taste, nutritive and medicinal value make it the favourite fruit among all classes of people. Our country stands first in banana production in the world. In fact, bananas we have today are the products of thousands of years of careful selection for specific traits by our farmers. This precious diversity has to be protected in the contest of dominating market driven mono cultures.

The festival is planned in such a way that it will benefit all who have an interest in the banana sector Producers, Consumers, Retailers, Traders, Government Organisations, NGOs and Research Institutions.

The five day festival includes National Seminar, Exhibition, Training Programmes, farmers meet and a host of other activities. This will privilege the participants in building of networking, productive collaborations apart from updating with latest knowledge and trends.

We look forward to welcoming you to this inspiring, educational and enjoyable event.

Yours sincerely,

**Suresh Gopi**

Member of Parliament

Chairman, Organising Committee, NBF 2018

**R. Jayalakshmi**

President, Kalliyoor Grama Panchayat,  
Vice Chairperson, NBF 2018

**Dr. G.G. Gangadharan**

President, CISSA,  
Vice Chairman, NBF 2018

**Dr. C.K. Peethambaran**

Chairman Seminar Committee, NBF 2018

**Dr. C.S. Ravindran**

Secretary General, NBF 2018

**Dr. Sureshkumar C.**

General Secretary CISSA,  
Chief Coordinator, NBF 2018

**Dr. G.K. Beela**

Organising Secretary, NBF 2018

## **B a c k g r o u n d**

Bananas have been grown in India from Vedic times. India is considered as one of the centres of origin and diversity of Banana is referred as "Kalpatharu" (The Divine Tree of Life or Wish Fulfilling Tree) due to its multifaceted uses in food and medicine and the fruit is well referred and reflected in our culture. Auspicious occasions in India always witness the use of banana as offerings to God or as a sacred food.

Bananas and plantains are grown in more than 130 countries across the world and the fourth most important staple crop, critical for food security in many tropical countries. Banana is popular on global scale not only for its nutritional value but also because of its economic importance especially to smallholding farmers in the developing countries.

India ranks first in global banana production with 18% of global production and accounts for 36.6% of the total fruit production in the country. Banana and plantain are widely grown in Maharashtra, Tamil Nadu, Gujarat, Andhra Pradesh, Karnataka, Kerala, Orissa, Bihar, eastern U.P., West Bengal and North eastern states.

The banana industry provides employment for thousands of people. There is no part of the banana that is not used. Banana fibre is one of the strongest natural fibres used to make fabrics, handicrafts and fashion goods. The commercial value of the fibre has increased over the years. The banana leaf plate is the answer to plastics and Styrofoam.



# National Banana Festival 2018

National Banana Festival aims to showcase the wide diversity of bananas in India. The festival will bring together large numbers of producers, farmers, business men, academicians and researchers from around the country. The multifarious uses of this unique fruit and other plant parts will be highlighted in this festival. Further, it will also illustrate how research can help to use banana diversity to increase options for both small-scale farmers and consumers.

## Major Components

National Exhibition

National Seminar

Farmers Meet

Training Programmes

Buyer-Seller Meet

Documentary Shows

Cultural Programmes

Photography Contest

Competitions

## Objectives

Create awareness on the local biodiversity conservation

Promote entrepreneurship for doubling farmers income

Create awareness on the nutritional and health benefits of bananas

Promote utilization of under utilized parts of banana -peels, leaves, pseudostem, stalk and inflorescence for food and non-food products.

Augment market : supply chain and value addition linkages

Promote organic farming, precision farming, efficient input management and per drop more crop.



# National Exhibition

## 17 - 21 February 2018

Banana Festival exhibition will showcase everything about banana. This will provide first-hand information to the farmers and general public about its multifaceted uses.

- ◆ **Over 200 Exhibitors from all over India.**
- ◆ **Stalls by Central and State Government Departments Institutions and Universities**
- ◆ **Stalls by NGOs, Self-help groups and farmer groups**
- ◆ **Showcasing and display of traditional varieties of the banana and plantain from all over India**
- ◆ **Display of value added products from banana fruit, pseudo stem and leaves.**
- ◆ **Organic banana market, organic fertilizers and pesticides.**
- ◆ **Food Court Celebrating Local Cuisine and lots of Banana Cuisine**

### Stall Charges

Stall	Size	Rate (₹)*
Single Stall	3m x 3m	25,000/-
Mini Pavilion	3 Stalls	65,000/-
Pavilion	5 Stalls	1,00,000/-
Food Court	3m x 3m	15,000/-
Farmers' Market	3m x 3m	15,000/-

\*18 % GST extra



### Biodiversity

All over the country people grow a wide range of bananas. But the pressure to produce nice-looking marketable varieties is having worrying effects on the diversity. The exhibition will highlight the importance of keeping diversity in banana crops by underlining the many uses of the differing varieties



### Food source

The banana fruit is widely eaten raw, but many varieties are fried, roasted, juiced, dried or chipped to make healthy and affordable snacks. Variety of value added food products from not only banana fruit but also from by-products like peels, stalk and inflorescence will be exhibited.



### Innovation & Research

Institutions and organizations from all over India who are working on new varieties with increased pest and disease resistance, the desirable qualities and increased yields will be participating in this exhibition. Agro Biotech companies in production of tissue culture bananas and those with latest technologies for banana cultivation and processing will also be participating.



### Versatile fibre

Banana fibre extracted from the stem is used in the production of ropes, clothes, wall hangings, baskets and hundreds of artistic endeavors. Banana leaves are also used to wrap anything and everything, especially food items. Companies, organizations, self help groups and NGOs working in this area will be exhibiting their products and technologies.





## Small Farm, Big Ideas

Although banana is grown in large monocultures and appears in super markets all around the world, the majority of bananas are grown in home steads and small gardens and form the backbone of food and income security of rural people in India. The exhibition will showcase success stories of such small scale farmers identified from across the country.



## Waste to Wealth

The exhibition will showcase technologies and products made utilizing under utilized parts of banana such as peels, leaves, pseudostem, stalk and inflorescence in various food and non-food applications serving as thickening agent, coloring and flavor, alternative source for macro and micronutrients, nutra ceuticals, livestock feed, natural fibres, sources of natural bioactive compounds, bio-fertilizers and a source of biogas.



## Pick to Pack

Suppliers, wholesalers and retailers of machinery and products for Harvesting, Packing, Packaging, Grading, and Gassing, Cold Chain Management and Storing bananas will be participating in the exhibition.



## Pests & Diseases

Growing concern about use of pesticides by banana growers and its impact on the environment and health, not to mention economic considerations have been driving efforts to reduce their use and adopt more sustainable crop protection practices. The exhibition will highlight the need for organic production, the range of organic fertilizers and plant protection inputs available.



## SPECIAL THEME PAVILIONS

- Banana diversity of Kerala
- Banana fibre – the new sensation in textile industry

## FOOD COURT

Celebrating Local Cuisine  
& Lots of Banana Cuisine

## STUDENT PAVILIONS

Theme based pavilions by college and school students. Awards will be given to best pavilions.

## PARTICIPANTS

- ▶ National & State Research Centres for Banana
- ▶ National Agri-horti-food Technology Institutes
- ▶ National Horticulture Organisations
- ▶ Agricultural Universities
- ▶ State Government Agencies, Institutes and Organisations
- ▶ Krishi Vigyan Kendras
- ▶ Agriculture and Horticulture Departments across India
- ▶ NGOs and Self Help Groups
- ▶ Nurseries and Gardens
- ▶ Progressive Farmers
- ▶ Banana Traders
- ▶ Producers of value added products
- ▶ Machinery manufacturers
- ▶ Agro Biotech companies



Conserving Diversity  
Preserving Identity  
Promoting Value Addition

FOCAL THEME

# National Seminar

17 - 19 February 2018

It is estimated that there are more than 500 banana varieties in India. Despite this diversity over 40% of all cultivars grown worldwide belong to only one genetically narrow subgroup of dessert bananas – the Cavendish. The tendency to replace local diversity with high-yielding cultivar as a monocrop is increasing every year, even in smallholder fields, sometimes resulting in complete loss of local diversity. Moreover, there are efforts to introduce and promote genetically modified bananas ignoring the virtues of local varieties and their importance both as food and medicine. There is an urgent need to protect and further explore the diversity of banana, both wild and cultivated.

A broad genetic base is necessary to make the crop more productive, resistant to pests and diseases, and resilient to climate change.

The seminar will provide a platform for disseminating the latest knowledge and developments in the Banana sector.

## Sub themes

- Understanding, conserving and using banana genetic diversity
- Impact of climate change on banana productivity, pests and diseases
- Medicinal and nutritional importance of banana
- Biofortification
- Value addition of banana and by products
- Organic bananas challenges and opportunities
- GM bananas – exciting opportunities or disaster
- Crop and pest management
- Soil Health Management
- Tissue culture banana and quality planting materials
- Post-harvest issues, alternative uses, marketing and commercialization
- Banana for ornamental purposes
- Wild banana species in India
- Emerging technologies and mechanization in Banana sector
- Indigenous Traditional Knowledge (ITK) in Banana

## Call for papers

Papers can be submitted for all the sub themes. Though the presenters can opt for oral or poster, the review committee will decide the mode of presentation. For details and abstract submission log on to [www.bananafest.in](http://www.bananafest.in) **Last date of submission of abstract: 15.01.2018**

## Registration Fees\*

Category	Upto 31 <sup>st</sup> January 2018	1 <sup>st</sup> February onwards & Spot
Academicians/ Scientists	1500 + 270*	1750 + 315*
Students	750 + 135*	1000 + 180*
Others	1000 + 180*	1250 + 225*

\*18% GST For payment details see Mode of Payment/ log on to [www.bananafest.in](http://www.bananafest.in)

## Farmers' meet

20 February 2018

This will provide a platform for farmers to interact with researchers and stake holders, for identifying gaps and fostering networks.

Eminent scientists and experts from reputed organisations and master farmers will be participating as resource persons to share their experiences.

Registration Fee ₹. 250/-  
for registration log on to [www.bananafest.in](http://www.bananafest.in)

## Training programmes

18 - 20 February 2018

- High tech farming in banana (18.2.2018)
- Value added food products from banana (19.2.2018)
- Organic banana cultivation (20.2.2018)

Registration Fee ₹. 500/- per training programmes  
for registration log on to [www.bananafest.in](http://www.bananafest.in)

## Photography Contest

**Theme: Banana-Sustaining rural livelihood.**

All India photography competition will be organised with entries from all over India. Winners will be given cash prizes and selected photographs will be exhibited at the venue.

Download the entry form from [www.bananafest.in](http://www.bananafest.in)

## Documentary Shows

17 - 21 February 2018

Screening of documentaries on themes related to banana

## Buyer-Seller Meet

20 February 2018

Interaction with pioneer business clients and prospective sellers. It paves active platform for business start up.

## Media Meet

20 February 2018

This is meant to bring together main stream and farm journalists to garner support for banana farmers. It also brings in wider coverage to the importance of banana crop.

## Cultural Programmes

Exhibiting the rich cultural diversity and the incomparable richness of folk art forms related to agriculture.

## Competitions

### STUDENTS

Essay writing, Painting, Quiz and Poster designing

### FARMERS & GENERAL PUBLIC

Cookery competition

Vegetable carving competition

Big and Best Banana bunch

## Farmers' Market

Farmers will have the opportunity to sell different varieties of banana and suckers in the market

## Mode of Payment

The payment should be made through bankers cheque / DD in the name of "National Banana Fest" payable at Thiruvananthapuram (Kerala) or by bank transfer to :-

Account Name : **National Banana Fest**

Account No. : **6199201000087**

Bank : **Canara Bank,**  
Edapazhanji branch,  
Thiruvananthapuram,  
Kerala

IFSC Code : **CNRB 0006199**

MICR code : **695015053**





## The venue

*Kalliyoor panchayat is a very picturesque place situated on the banks of Vellayani Lake the largest freshwater lake in Thiruvananthapuram district of Kerala. It is about 12 km from the central railway station Thiruvananthapuram and 7 km from Kovalam beach, the world famous tourist destination. Backwater tourism is catching up in this mostly agrarian village with banana cultivation topping the list. This is also home to the nationally renowned 'College of Agriculture', Vellayani, Kerala Agricultural University.*

*The venue of the festival is adjacent to Vellayani Devi Temple situated on the banks of Vellayani Lake which is a highly revered shrine in Kerala said to be built in the 14th century AD.*



## National Banana Festival

**Centre for Innovation in Science and Social Action (CISSA)**

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