

#### National Advisory Committee

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Dr. P. Chowdappa, Director  
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#### Organizing committee

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Director, ICAR-Central Plantation Crops  
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#### Registration Form

### Interactive Workshop on Arecanut and Human Health ICAR-Central Plantation Crops Research Institute, Kasaragod 24-25 July 2018

1. Name :
2. Designation :
3. Title of the Paper :
4. Office address :
5. Address for correspondence :

6. Contacts Telephone : Mobile :

Fax : Email :

7. Accommodation need : Yes/No Type:

8. Registration fee details : \_\_\_\_\_

Date \_\_\_\_\_ Rs. \_\_\_\_\_ Name of Bank and Branch \_\_\_\_\_

Signature

# Interactive Workshop on Arecanut and Human Health

24-25 July 2018

#### Venue

ICAR-CENTRAL PLANTATION CROPS RESEARCH INSTITUTE  
KASARAGOD, 671124, KERALA

## Arecanut and Human Health

Arecanut (*Areca catechu* L.), an important palm species, occupies a prominent place in the social, cultural, religious and economic activities in India. It is the most profitable plantation crop and more than 56 million people depend on the arecanut industry, either directly or indirectly, for their livelihoods. The area under arecanut in India, which stood at 94,800 hectares during 1956-57, has increased to 4,72,000 hectares during 2015-2016, with a concomitant increase in production from 74,700 to 7,36,000 tonnes.

Even though arecanut is primarily used for masticatory purpose, it had found use among the local population in native systems of human and veterinary medicine, due to the presence of a wide array of versatile chemicals in it. However, with the advancement in the modern systems of medicine and discovery of novel therapeutic molecules, the traditional knowledge and use of arecanut for medicinal purposes began to wane steadily. Sadly, on the other hand, there has been a vociferous campaign alleging that arecanut is carcinogenic, though based on limited human epidemiological studies, animal carcinogenicity, *in vivo* and *in vitro* mutagenicity studies. Now a days, animal studies are being conducted with the pre-conceived notion that arecanut contains lot of alkaloids which invariably cause cancer through nitrosation. This has caused lot of anxiety amongst areca growers, traders, consumers and other stakeholders in the commodity value chain. The situation necessitates concerted efforts on our part to unequivocally dispel the prevailing negative notions on arecanut and warrant systematic clinical research studies to understand the effects of arecanut products on human health and to explore alternate uses for arecanut and its by-products.



Although the agricultural research has contributed immensely in increasing production and productivity through release of high yielding varieties/hybrids, integrated cropping systems and plant health management, biochemical/biomedical research to understand the in depth chemistry, chemical composition, their functionality, nutritive values and their effects on human health is rather limited. It is high time that we initiated a multi-institutional and multi-disciplinary project to work in this line to understand the chemical constituents and its effects on human health.

Towards this noble cause, we have planned a two-day Interactive Workshop, involving agricultural, chemical and clinical research scientists, human health specialists, traditional practitioners, growers, consumers, traders, policy makers and all those concerned with arecanut development, to take stock of the current status, identify the gaps and develop a working network to address the current issues.



#### Thematic areas

- Chemical constituents
- Medicinal properties
- Product diversification and value addition
- Clinical research

#### Who all can attend?

- Scientists from academic institutions
- Clinical researchers
- Specialist medical practitioners/ traditional practitioners in health and wellness
- Policy makers
- Representatives from the processing industry and developmental agencies
- Pharmaceutical industry
- Farmer's representatives
- Other stakeholders associated with arecanut industry

#### Venue

ICAR-Central Plantation Crops Research Institute,  
Kasaragod – 671 124, Kerala

#### Call for Papers

Authors are requested to submit the abstracts of the paper by email to Dr. K. B. Hebbar, Organizing Secretary, at balakbh64@gmail.com. Abstracts of the paper should not exceed one and a half typed pages (A4 size, 12 pt font, Times New Roman, 1.5 space, 1" margin on all sides). The abstract should not have tables, figures and references. It should include objective, method, results and conclusion. Abstracts of the papers presented in the seminar will be published as book of abstracts. Selected good quality papers presented in the seminar will be subsequently considered for publication in the Journal of Plantation Crops following normal procedures. E-mail address of the corresponding author must be provided for communication.

#### Registration

Registration fee is Rs. 2000/- for Professionals/Academicians/others and Rs. 1000/- for Students and Research Fellows. Registration fee is to be paid in advance on or before July 15, 2018 through NEFT in favour of Kisan Mela, CPCRI, Kasaragod (A/C No 37265705245, MICR no. of the branch 671002005, IFS Code: SBIN0010560).

All the participants are requested to fill up the attached registration form and send it to the Organizing Secretary, before the due date.

#### Important Dates

Date of Workshop	24-25 July, 2018
Last date to Submit Abstract	30 June, 2018
Communication regarding acceptance	10 July, 2018
Last date for registration	15 July, 2018

#### Accommodation

At the Institute we have limited accommodation facility and hence the accommodation will be arranged in hotels near the Seminar venue for which request is to be sent along with the registration form. The tariff rates are given below.

Type	Economy	Standard
A/C	Rs. 1000	Rs. 1500
Non A/C	Rs. 500	Rs. 1000

#### About Kasaragod

CPCRI Headquarters is located at Kasaragod district of Kerala which lies in the heart of the major coconut growing areas of the country. CPCRI is 5 km away from Kasaragod and 51 kms away from Mangalore on the Mangalore-Kasaragod road. Nearest railway station is Kasaragod, about 5 km and nearest airport is Mangalore, about 60 km. Geographically it is situated at 12° 30' N latitude and 75° 00' E longitudes with an altitude of 10.7m above MSL.

