# ORGANISING COMMITTEE

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Prof. P. Rama Rao, Chairman, SEED, Hyderabad

**Organising Secretaries :**
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Dr. T. Jyothirmayi (AFSTI)

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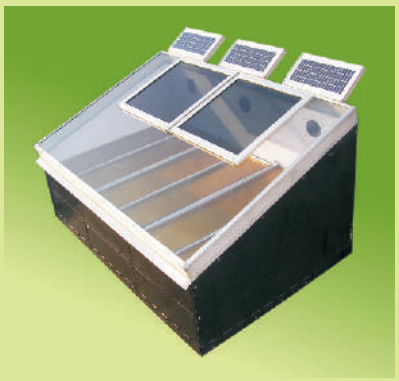
Dr. V. Sudershan Rao
Dr. Y. Sreenivasulu
Mr. G. Harikrishna

*Solar Cabinet Dryer - SDM-500*



*Solar Cabinet Dryer - SDM-50*


**Correspond :**
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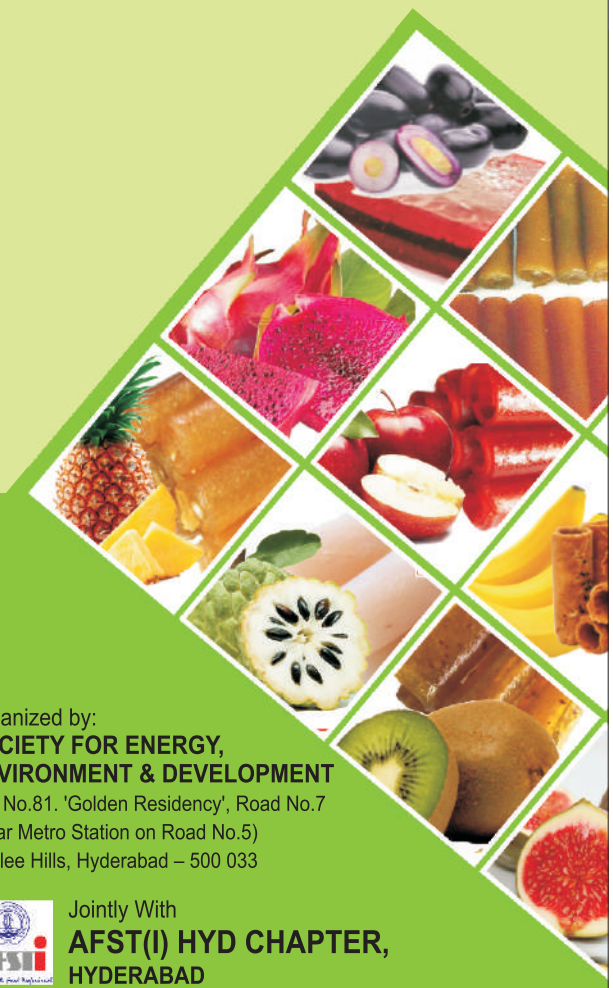
SEED™
Society For Energy Environment & Development

NATIONAL WORKSHOP ON

# *Application of Solar Drying Technologies in Food Processing & Allied Industries – A strategy to address climate change*

**23rd & 24th April 2020 at Hyderabad**
**Venue: NI-MSME Auditorium, Yousufguda, Hyderabad**



Organized by:
**SOCIETY FOR ENERGY, ENVIRONMENT & DEVELOPMENT**
Plot No.81. 'Golden Residency', Road No.7
(Near Metro Station on Road No.5)
Jubilee Hills, Hyderabad – 500 033

Jointly With
**AFST(I) HYD CHAPTER, HYDERABAD**

# ABOUT SEED

Society for Energy, Environment and Development (SEED) was established in 1987 by a few professionals with expertise in engineering, management, solar energy, law and social work. The purpose of this NGO is to draw upon the expertise of these fields of study to create awareness about the Environment and Energy issues and creating devices to enhance the quality of life. The main goal was to empower the rural people to be self sustainable without relying on subsidies and financial assistance SEED invented the solar powered cabinet dryers designed by prof. M. Ramakrishna Rao and the same was patented in India (Indian patent number. 211911). Over the years, SEED developed processing technologies for a wide cross section of fruits, vegetables and forest produce. SEED promotes community development activities under a four-fold program of employment, self-help, health and education. Also SEED contributes to society in establishing in micro-enterprise in solar food processed products in rural areas. SEED has been widely recognized and awarded nationally.In the past two and half decades, SEED made tremendous strides in many facets of rural development which are environmentally friendly, nutritionally sound, socially relevant, economically viable and practically without any foot print on energy consumption. This has been recognized nationally

# ABOUT AFSTI

The Association of Food Scientists and Technologists (India), established in 1957, is one of the largest professional and educational organizations, with around 3500 members - food scientists and technologists, across the globe. The major objective of AFST(I) is to stimulate and advance knowledgebase on various aspects of Food Science and Technology by organizing National and International conferences and bringing out technical publications including prestigious journals-Journal of Food Science and Technology (JFST) and Indian Food Industry Mag (IFI Mag). The association recognizes talent and excellence in the profession of Food Science and Technology by conferring various Awards and Fellowships. AFST (I), Hyderabad Chapter, founded in 1973 and is a very active chapter with around 100 members from food industries, academia, research organizations and student members. The chapter conducts monthly lectures by eminent speakers in the field of Food Science and Technology and celebrates World Food Day (WFD) on the 16th of October every year. Hyderabad Chapter recognizes members who make outstanding contributions in the area of Food Science and Technology on the World Food Day each year.

## Theme of the National Workshop:

Food processing industry plays a significant role in our economy and provides a strong linkage of agricultural production and post-harvest value addition through appropriate processing. There have been several innovations and developments, particularly in the last 2 or 3 decades, on development of food processing systems based on solar energy. Solar cabinet dryers for efficient and economical dehydration of fruits, vegetables as well as other forest produce etc., have gained popularity among small and medium food processing industries and rural SHGs in the last 2 decades. These systems are now being scaled up to meet the growing needs of large scale food processors. Other developments in this area include development of solar photo voltaic energy and Biomass based systems for continuous dehydration and operation of upstream and downstream processing equipment as well as solar collectors for meeting hot water and steam requirements for the processing industries. Solar drying applications for food processing and allied industries have also become appropriate and relevant from the point of global warming and climate change. This has created an urgent and inevitable need for food production and processing industries to migrate from conventional energy sources to renewable energy based systems. This need based energy shift has put solar energy on the top of renewable energy alternatives for food production and processing. In light of the increased focus being placed globally on further accelerating the shift from traditional fossil fuels to renewable energy in food processing and allied industry sectors, it is proposed to hold a National workshop on **'Application of Solar Drying Technologies in Food Processing & Allied Industries – A strategy to address climate change'** in Hyderabad on 23rd & 24th April, 2020. With the following objectives:

The workshop is being held by the Society for Energy, Environment and Development (SEED) together with the Association of Food Scientists and Technologists (India) – Hyderabad Chapter.

**Objectives**

- To discuss recent advances and developments in Solar dehydration of foods in India, South Asia and other Countries.
- To discuss developments in scaling up dryer capacities to meet the emerging requirements of different levels of entrepreneurs.
- To deliberate on the positive effects of transiting to Solar energy for food processing on the carbon foot print and global warming etc.
- To discuss programmes being implemented to train entrepreneurs in solar drying technologyto meet the larger national goal of capacity building in the area.
- To discuss the impact of Solar drying in relation to food losses and food security.
- To discuss the role and relevance of Solar drying in relation to enhancing the income of farmer self-help groups.
- To define the path forward for enhanced applications for solar energy in food processing and allied industries.

## Topics to be covered:

- Recent advances in Solar drying technologies including Solar Plus technologies (with integrated Solar and other renewable energy sources)
- Impact of incubation of solar drying on entrepreneur development.
- New & Innovative product development based on Solar drying for agri- horticultural and forest produce.
- Impact of Solar drying on overall food & nutrition security and food losses
- Solar dehydration technology for ensuring enhanced revenue for small farmers, SHGs and women empowerment
- Entrepreneurship in solar drying for reducing post-harvest losses and value addition for fruits & vegetables
- Review of training and development programs for creating a viable and vibrant entrepreneur base towards the national goal of capacity building

Papers are invited for presentation from persons who have contributed significantly in the area of solar food processing technology for the proposed technical sessions.

**Who should attend?**

Industry, Academia, Scientists, R&D personnel, NGOs, SHGs etc., working on Solar energy applications in Food processing and other allied industries, Concerned Govt officials and Individuals interested in the area.

Sponsorship, Expo. / Souvenir Advertisement opportunities are available. Please contact for further details

**Registration Fee:**

For Delegates : Rs.2,500/- per head
AFSTI Members : Rs.2,000/- per head
Students : Rs.1,000/- per head

**Last Date : 01-04-2020**