



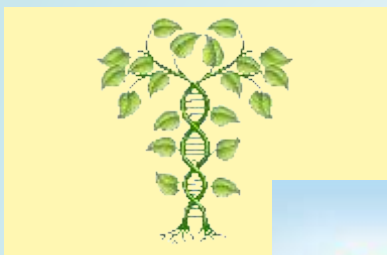
# 2016 ICPASN International Congress

on  
Post-Harvest Technologies of Agricultural Produce for Sustainable Food and Nutritional Security

10<sup>th</sup> -12<sup>th</sup> Nov. 2016

Venue- Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow- 226 026

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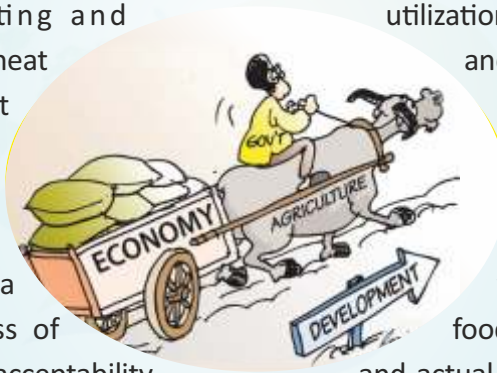


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## Background

Post-harvest technology is an inter-disciplinary “Science and Technology” applied to agricultural produce after harvesting in various operation viz. processing, packaging, distribution, marketing and utilization. India is largest producer of pulses, tea, milk, and meat and second largest producer of wheat, rice, groundnut and fruits and vegetables world. Post harvest losses are the major problems in our country. Losses of food crops refer to many different kinds of variety of factors. These losses produced by a food values, loss of economic include weight loss, loss of value, loss of quality or acceptability and actual loss of seeds themselves. Recently, issues of global food losses and food waste have been making the news with an estimate of 10 to 30% of the food produced on earth going to be wasted before it can be consumed.



The reasons for post-harvest losses are improper harvesting, inadequate infrastructure, poor handling, lack of storage and packaging facilities, and inappropriate transport. It has many economic and environmental impacts. Economically, it reduces the farmer's income and increases consumer's expenses. Environmentally, food losses and waste inflict a host of impacts including unnecessary greenhouse gasses emission and inefficiently used water and land, which in turn can lead to diminished natural ecosystem.





Use of proper post harvest technologies of perishables and semi-perishables will reduce the wastage to great extent. Use of appropriate post harvest technology reduces the post harvest and storage losses; adds value to the product, generates employment in village and reestablishes agro-industries in rural sector. Presently, the farmers sell their products without processing. Although reduction of post-harvest losses represents a large business opportunity and potential for economic benefit, it is a research and development area which is receiving limited attention. Considering the huge importance of this area, FAO has been greatly concerned and has organized “No More Food to Waste Conference” on 16-19 June 2015 at Hague, The Netherlands. The consensus was that food losses and waste is a global issue and calls for global action. There is SAVE FOOD: Global Initiative on Food Loss and Waste Reduction CoP (Community of Practice Members) by FAO on Post-harvest Management related information at country basis. A report on the 2<sup>nd</sup> online discussion on “Post-harvest Loss Assessment and Measurements” is available in the Forum Archive. New resources are being published by FAO regularly on Post-harvest Losses, the latest being as “FAO 2015: Regional Strategic Framework Reducing Food Losses and Waste in the Near East and North Africa Region”.

Taking these initiatives forward, UP Council of Agricultural Research (UPCAR), Lucknow and Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow in collaboration with other partners has decided to organize an “International Congress on Post-harvest Technologies of Agricultural Produce for Sustainable Food and Nutritional Security” on 10-12 November, 2016 at Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow.

### Thematic Areas

1. Emerging post-harvest technologies of agricultural produce (cereals, pulses, oilseeds, sugarcane, horticultural crops including potatoes, livestock, dairy, poultry, fisheries, etc.).
2. Recent advances in post harvest technologies.
3. Technological interventions for waste management.





4. Process engineering and energy management.
5. Safety and quality management/assurance for domestic and export markets.
6. Capacity building and entrepreneurship development for rural prosperity.
7. Constraints in the context of governance, socio-economic and climate change conditions.
8. Technological gaps and thrust areas of research and extension/development.
9. Policy issues and strategies.
10. Case studies and success stories-experiences and lessons learned.

### Call for Papers

The extended abstracts based on original researches/reviews/success stories/etc may be submitted through e-mail or CD formatting on MS word (line spacing 1.5, font Times New Roman-12 Points), with 4 cm left and 2.5 cm right, top and bottom margins. The abstract not exceeding 300 words should have the title in (capital letters and bold Times New Roman, font size 16 pt, followed by the name of the author (s) and full address including the email ID of the author authorized for correspondence in 14 points, bold. The text of the full length research paper should contain a brief Introduction, Materials and Methods, Results and Discussion, data tables, figures/photographs (if absolutely necessary), and relevant references in 12 points. All accepted abstracts will be published in souvenir and full length papers in the congress proceedings. Each abstract/full length paper shall identify the thematic area at the top best describing the area of the presentation. There will be three types of presentations. Selected best papers may be published in reputed NAAS rated Journals after Peer Review like Indian Journal of Agricultural Biochemistry, Research Journal of Biotechnology, Research Journal of Chemistry & Environment, Annals of Horticulture, Progressive Agriculture, Plant Archives, VEGETOS, Sugartech

**Lead Presentations:** Eminent scientists will be invited to deliver lead lectures on topics related to various themes of the conference. Lead speakers will send the full length papers along with self contained abstracts in the beginning itself latest by 30 September, 2016.

**Oral Papers:** Among the accepted abstracts/ few papers based on merit and importance will be selected for oral presentation in technical sessions of concerned thematic area. It will be greatly appreciated if the potential and interested platform speakers could send the full length papers along with abstract latest by 25 October, 2016. As a matter of fact, submission of full





length papers voluntarily will be a strong basis for selection of paper for oral presentation.

**Poster Presentations:** The authors of other accepted abstracts will be provided an opportunity to present their papers in the poster session concurrent to the concerned sessions on the given time. All posters should be in English. Size should be 84.1 x 118.4 cm in portrait format (not landscape). It should represent the abstract in visual way. Poster should not be overloaded with information. Text should be concise, clear and easy to understand. Help yourself with pictures and graphics. Title of the abstract should be used in the poster without any deviation. Include the name of author(s)/organization and contact information. Each poster presenter is requested to stand next to his/her poster during poster session to interact and answer questions from interested participants. Two best poster presentations of each session of the congress will be awarded. The last date of receiving abstracts is 25 October, 2016.

## Venue

The International Congress will be held at Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow, Uttar Pradesh, India located at the Kursi Road, Dasauli, approximately 18 km north of Lucknow railway station. The nearest airport is Chaudhary Charan Singh Air Port, situated at Amausi, Lucknow at a distance of about 28 km from the venue.



## How to Reach

Lucknow is well connected with air/road/railway tracts. To and fro transportation facilities from airport and railway station to hotels/guesthouse and from place of accommodation to venue and reverse will be provided by the organizing committee.

## Visa

All overseas participants require a valid passport and visa for India. They are requested to contact their travel agency/nearest Indian Embassy/Consulate office. Further they are requested to send their travel plan well in advance for making necessary arrangement at the end of organizers.







Closing Dates	
Early bird Registration (Extended Date of Closing)	: 23 October, 2016
Submission of Abstract (Extended Date of Closing)	: 25 October, 2016
Submission of full length paper along with self contained Abstract by invited Lead Speakers (Extended Date of Closing)	: 25 October, 2016
Submission of full length paper along with self contained abstract by persons willing to be Oral Speakers (Extended Date of Closing)	: 25 October, 2016
Intimation of acceptance of Abstracts	: 27 October, 2016
Request for Accommodation	: 25 October, 2016

## About Lucknow

Lucknow is located about 500 km south east of Delhi and is connected directly by air with New Delhi, Mumbai, Kolkata, Chennai, Bengaluru, Hyderabad, Patna, Varanasi, and Sharjah (UAE); and by rail/road with all major Indian cities. The city has the great cultural heritage and is old centre of learning. It has nine Universities, three National Institutes of Indian Council of Agricultural Research (ICAR), and five National Institutes of the Council of Scientific and Industrial Research and a host of other scientific and educational Institutes.

The historical place of Lucknow is the capital of Uttar Pradesh, sprawling on the bank of the river of Gomti, the second largest state of India. It is famous for rich cultural heritage, warm hospitality and for its mouth-watering Mughlai Cuisine, Nawabi Tehzeeb, and its Handicraft of Chickankari, Embroidery and Jardozi. There are numbers of historical monuments and places in Lucknow which are a must visit. These include the Dr. Ambedkar Gomti Park, Bara Imambara, Chota Imambara, Bhoorbhulaiya, Residency, Janeshwar Mishra Park, Kukraill Forest Reserve, etc.



## Climate of Lucknow in November

In Lucknow climatic condition is semi-arid and sub tropical type with dry summer and cold winter. Lucknow is a wonderful place that can be visited any time throughout the year. However, the best time to visit is October to March when temperature is usually pleasant with clear sky. No winter clothing/woolens are required during this time. However, formal light weight suits could be brought for occasional formal dressing.





## Medical Aid

Emergency Medical Aid will be available at the congress venue.

## About Organizers

**UPCAR** (UP Council of Agricultural Research) on the pattern of Indian Council of Agricultural Research (ICAR) was established by Government of Uttar Pradesh on 14<sup>th</sup> June, 1989 with its headquarters at Lucknow to coordinate research, education and extension activities of the State Agricultural Universities, Government Departments and other institutions engaged in the field of Agriculture, Horticulture, Animal Sciences, Fisheries, Sericulture, Environment, Natural Resource Management and allied disciplines in the state of Uttar Pradesh. Currently headed by Professor Rajendra Kumar, (well known scientist in the area of crop breeding, molecular biology and research management) as Director General, UPCAR is in expansion mode and is proactively engaged in funding several research projects in Uttar Pradesh, organizing brain storming sessions on topics of relevance for farmers, scientists and policy makers and is fully engaged in imparting trainings in emerging fields in the area of agricultural research. Further, UPCAR has embarked upon organizing national/international congresses/conferences to bring all stakeholders at a common platform for meaningful deliberations and recommendations to prepare road-map for agricultural education and research for the state of UP.

**Integral University** is the first enacted Minority University in the country and it had started functioning from 1st April, 2004. The President of Islamic Council for Productive Education, Dr. Saeedur Rahman Azmi and its general secretary Prof. Syed Waseem Akhtar took over as founder Chancellor and Vice Chancellor of the University respectively. The University was accorded recognition by UGC under section 2(f) and 12B of the UGC Act, 1956. At present the University has 12 faculties namely faculties of Science, Architecture, Engineering, Computer Application, Education, Management Studies, Pharmacy, Library Sciences and Medical Sciences and 24 departments. It offers 27 undergraduate, 26 postgraduate programmes and 6 diploma courses. The University has also taken up research activities on priority basis in almost all the faculties. At present, 355 research scholars are enrolled in the University under Ph.D. programme and 83 Ph.D.s have already been awarded during the last six years.

**Integral Institute of Agricultural Science and Technology (IIAST)**, Integral University, Lucknow was formally established on 9th May, 2014 and was subsequently inaugurated on 11th





August, 2014 by Hon'ble Vice Chancellor, Integral University, Prof. S. W. Akhtar and Shri Naseem Ahmad, Chairman, Minority Commission, Government of India. The mission of IIAST is to develop human resources and to generate appropriate, efficient and effective technology for sustainable growth in agriculture and allied fields ensuring enhanced food and nutrition security, income generation and environmental safety. The institute is currently offering undergraduate programme in the field of agriculture while from session 2016-17, four undergraduate programmes in the area of forestry, horticulture, home science and agricultural engineering are proposed to commence in the institute. The objective of these courses is to nurture young students, tap their potentials and groom them to become significant contributors to the much needed second Green revolution. IIAST is committed in achieving academic excellence in undergraduate and postgraduate courses and offers platform, opportunities and vast experiences through which the students become aware of the latest developments in the area of agriculture science and technology. IIAST holds symbiotic relationship with various esteemed universities, institutes and agro-based industries of the country. The institute also adds a distinction of providing good placement to the students in association with CCGND.

### **Indian Council of Agricultural Research (ICAR)**

Indian Council of Agricultural Research (ICAR) is an autonomous body responsible for co-ordinating agricultural education and research in India. It reports to the Department of Agricultural Research and Education, Ministry of Agriculture. The Union Minister of Agriculture serves as its president. The Committee to Advise on Renovation and Rejuvenation of Higher Education (Yashpal Committee, 2009) has recommended setting up of a constitutional body — the National Commission for Higher Education and Research — which would be a unified supreme body to regulate all branches of higher education including agricultural education. Formerly known as Imperial Council of Agricultural Research, it was established on 16 July 1929 as a registered society under the Societies Registration Act, 1860 in pursuance of the report of the Royal Commission on Agriculture. The ICAR has its headquarters at New Delhi. The Council is the apex body for co-ordinating, guiding and managing research and education in agriculture including horticulture, fisheries and animal sciences in the entire country. With 101 ICAR institutes and 71 agricultural universities spread across the country this is one of the largest national agricultural systems in the world. The ICAR has played a pioneering role in ushering Green Revolution and subsequent developments in agriculture in India through its research





and technology development that has enabled the country to increase the production of foodgrains by 5 times, horticultural crops by 9.5 times, fish by 12.5 times, milk 7.8 times and eggs 39 times since 1951 to 2014, thus making a visible impact on the national food and nutritional security. It has played a major role in promoting excellence in higher education in agriculture. It is engaged in cutting edge areas of science and technology development and its scientists are internationally acknowledged in their fields.

**SHIATS** (Sam Higginbottom Institute of Agriculture, Technology and Sciences-Deemed to be University, formerly Allahabad Agricultural Institute), Allahabad is striving to acquire a place in the area of international science and technology while holding a pioneering status in India. The university offers 39 undergraduate programmes, 101 postgraduate programmes, 18 diploma programmes and doctoral programmes in various disciplines in the field of agriculture, science, engineering and technology and humanities. Prof. (Dr.) Rajendra B. Lal, internationally known soil scientist, a campaigner in shaping exceptional human resource and a designer of transforming traditional education system, is the Founder and the first Vice-Chancellor of the university.

**UPAAS** (Uttar Pradesh Academy of Agricultural Sciences), Lucknow is an academic body registered under the Society's Registration Act of Uttar Pradesh. UPAAS under the aegis of U.P. Council of Agricultural Research (UPCAR), Lucknow started functioning from April 2014. The main objectives of UPAAS are to cultivate and promote research, education and development of agriculture, and allied sectors, encourage interaction among the persons working in different organizations and areas of the education, research and development of agriculture, to recognize and promote, support excellence achieved in scientific research and development in the field of agriculture and allied sectors by individual scientist, interdisciplinary teams, recognized institutions and learned societies. Professor Rajendra Kumar, Director General, UPCAR is the Founding President of UPAAS and he is the current President. UPAAS has honoured several scientists during the third UP Agriculture Science Congress held at Allahabad on June 14-16, 2015.

## Registration

Registration form attached with this circular or a photocopy of the same should be filled in and mailed along with registration fee to the office of the Organizing Secretary.





### Registration Fee

Teachers/Scientists/Officers

**Before 23/10/2016**

**After 23/10/2016**

Students\*

Rs. 5,000/

Rs. 8,000/

UPAAS Life Time Members

Rs. 2,000/

Rs. 4,000/

Private Organizations

Rs. 2,500/

Rs. 5,000/

Teachers/Scientists/Officers (IU)

Rs. 6,000/

Rs. 10,000/

Students\* (IU)

Rs. 2,500/

Rs. 4,000/

Foreign Delegates/Scientists

Rs. 1,000/

Rs. 2,000/

USD 500

USD 600

*\*Students will have to provide a copy of a valid student ID from the institution where he/she is enrolled*

Payment of registration fees should be done either through Cash/ Demand Draft/Cheque in favour of Secretary, UPCAR, Payable at Lucknow or by electronic transfer through RTGS/NEFT in the UPCAR INTERNATIONAL CONGRESS LUCKNOW, Account No 2405101011920, IFSC Code CNRB0002405, MICR Code 226015007, SWIFT Code CNRBINBBKFD at Canara Bank, Vipin Khand, Gomti Nagar, Lucknow- 226010, Uttar Pradesh, INDIA.

### Opportunities for Commercial Sponsors

Commercial sponsors are offered with multiple opportunities including placement of their organization/company logo/emblem in the backdrop, colour advertisement in souvenir. The sponsors will be given five minutes time slot for presentation with sponsorship contribution as follows-

Platinum	Rs. 2.00 Lakh with 5 guest delegates and no registration fee
Diamond	Rs. 1.50 Lakh with 3 guest delegates and no registration fee
Gold	Rs. 1.00 Lakh with 2 guest delegates and no registration fee
Silver	Rs. 0.50 Lakh with 1 guest delegate and no registration fee

### Post Harvest Expo-2016

The exhibition at the Congress will have a focused trade show for showcasing the latest Post harvest technologies in agricultural sector. Its multi-facet arrangements will provide to a wide array of products, services, technology and solutions. The Expo will offer inventors and





business professionals the opportunity to reach the all the concerned stakeholders in the form of displaying and sharing information about their products or services.

As an exhibitor, you will enjoy the liberty of prime exposure and direct marketing opportunities with key global stakeholders.

<b>Booth size</b>	<b>Rate</b>
9' X 9'	Rs. 15,000/
18' X 9'	Rs. 20,000/
27' X 9'	Rs. 25,000/

A firm may book one or more booths by making an advance payment through DD of requisite amount in favor of Treasurer, Integral University, payable at Punjab National Bank, Dasauli, Integral University.

The facilities like electricity, shamianas, etc will be provided on payment basis.

### **Online Partners**

Online partnership Rs. 5000/-

Interested candidates can be the partners where they have to broadcast the news of Congress through various online social mediums maximum publicizing and for achieving event revenue targets that ensure cost neutral events for the Congress and which generate additional revenue to invest in future partner events/ activities.

Link of the online partner's website will be available on the Congress website.

### **Knowledge Partners**

Knowledge partnership Rs. 10,000/-

Interested organizations can join us to provide a holistic approach in disseminating the congress information across the professionals and research scholars working with identical thematic areas thus, making it a grand success. In addition, they will get a complimentary 9'x9' stall for showcasing their organization in the Post-Harvest Expo.

### **Event Partners**

Well known and reputed partners can join us. This role brings together partner engagement, business development and event management as the lead for all events during the congress. Such partner will be responsible for building, maintaining and





managing relationships with current and prospective Organizers, Sponsors and Co-Sponsors looking to engage with IIAST, Integral University. You will live and breathe logistics and want to create excellent events that run without a hitch, receive excellent feedback, and become the standard for Integral University event interactions with partners. You work well with both junior and senior members of the team to deliver and execute. You will be responsible for ensuring that both our partners and all event participants receive extraordinary experiences by organizing, managing and executing on all the little details that come together to make a successful event.

WebLink will be available on the Congress website and Souvenir.

### Advertisement Tariff

A souvenir will be published, where Organizations/Departments/Companies/ Industries can advertise themselves or their products by publishing their advertisements as per details/tariff given below-

Back Page, Colour	Rs. 75,000/
Front Inner Page, Colour	Rs. 50,000/
Back Inner Page, Colour	Rs. 40,000/
Full Page, B/W	Rs. 30,000/
Half Page, B/W	Rs. 15,000/

### Accommodation

A wide range of accommodation varying from five stars hotels viz. Vivanta by Taj, Clarks Avadh, The Piccadilly, three stars hotels viz. Tulip Inn, Gomti, Gemini, Comfort Inn, Cosmos, The Grand Radiant, Sapna Clarks Inn, Lineage and other private hotels to guesthouses are available. Delegates are requested to book their accommodation themselves. Limited accommodation may be available for the Indian delegates in the various Guesthouses on first come, first served basis. Foreign delegates shall be offered assistance for hotel booking by the organizers, if requested.



## REGISTRATION FORM

### International Congress on Post-Harvest Technologies of Agricultural Produce for Sustainable Food and Nutritional Security

10-12 November, 2016

**Organized by:** UPCAR, IU, ICAR, SHIATS, UPAAS

**Venue:** Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow

Name: .....

Designation: .....

Name of the University/Institute/Organization: .....

Nationality: .....

Mailing Address: .....

Pin Code: ..... Telephone Number: .....

Email: ..... Mobile No.: .....

Title of the Paper: .....

Lodging Facility Required: Yes/No

Type of Lodging Facility Required: Guest House/Hotel

Registration Fee Details:

Amount (Rs.): ..... Name of the Bank: .....

Cash/Demand Draft Number: ..... Dated: .....

Through: RTGS/NEFT Name of Bank : Canara Bank, Vipin Khand, Gomti Nagar, Lucknow

Account No: 2405101011920, IFSC Code CNRB0002405, MICR Code 226015007,

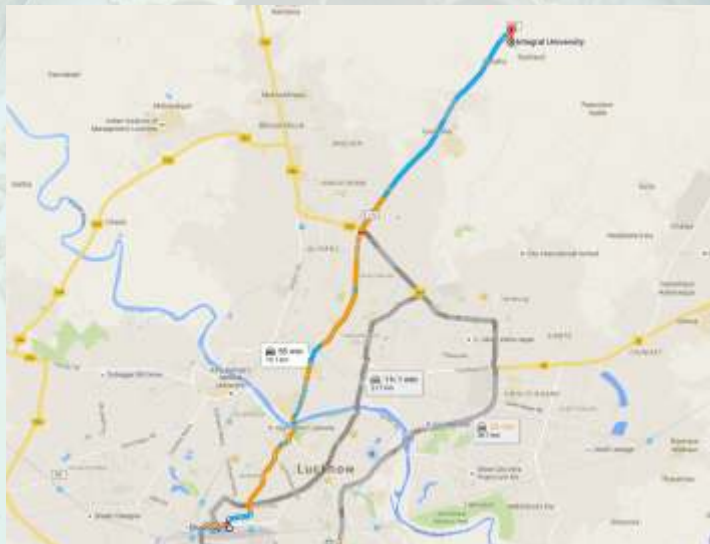
SWIFT Code CNRBINBBKFD (enclose details for verification)

Date: ..... Place ..... Signature .....

*The Reprint of the form can also be used.*

Kindly Send Abstract/Full Length Paper/Invited Lead Full Length Papers/Registration Form to :





### **Secretariat-1**

International Congress on Post-harvest Technologies of Agricultural Produce  
for Sustainable Food and Nutritional Security  
UP Council of Agricultural Research (UPCAR), 8<sup>th</sup> Floor, Kisan Mandi Bhawan, Vibhuti Khand,  
Gomti Nagar, Lucknow-226010, India  
Email: upcaricpht16@gmail.com, Phone: 0522-2721626, Fax: 91-522-2306802

### **Secretariat-2**

International Congress on Post-harvest Technologies of Agricultural Produce  
for Sustainable Food and Nutritional Security  
Integral Institute of Agricultural Science and Technology (IIAST), Integral University,  
Kursi Road, Lucknow-226026, India, Ph: 0522-2890730, Fax: 91-522-2890809,  
Mob.: +91 9454516941, +91 8868970133  
Website : [icpasn2016.iul.ac.in](http://icpasn2016.iul.ac.in), Email: [upcaricpht16@gmail.com](mailto:upcaricpht16@gmail.com)