



**UNIVERSITY**  
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“CELEBRATING DREAMS”



**NATIONAL CONFERENCE ON**  
**CONSERVATION AGRICULTURE**

22-23 February, 2018

**SCHOOL OF AGRICULTURE**

ITM GOI Sithouli Campus, Gwalior

# NATIONAL CONFERENCE ON CONSERVATION AGRICULTURE

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## BACKGROUND :

Conservation agriculture (CA) technologies involve minimum soil disturbances, permanent soil covers through crop residues or cover crops and crop rotation by achieving higher productivity. As per FAO definition “CA is to i) achieve acceptable profit, ii) high and sustainable production levels and iii) conserve the environment”. Its aims at reversing the process of degradation, inherent to the conventional agricultural practices like intensive agriculture and burning/ removal of crop residues improvement and make more effective use of natural resources combined with external inputs. Conservation agriculture system requires a total paradigm shift from conventional agriculture with regard to management of crops, soil, water, nutrients, weeds and farm machinery.

Globally, CA is being practiced on about 125 M ha. The major Ca practicing countries are USA, Brazil, Argentina, Canada and Australia. In India, CA adoption is still in the initial phases. Over the past few years, adoption of zero tillage and CA has expanded to cover about 1.5 M ha in India. The major CA based technologies being adopted is zero-till (ZT) wheat in the rice wheat (RW) cropping system of the Indo-Gangetic plains (IGP). In other crop and cropping systems the conventional agriculture based crop management system are gradually undergoing from intensive tillage to reduce/zero tillage operations. In addition to ZT, other concept of CA need to be cropping of sugarcane, pulses, vegetables as intercrop with wheat and maize and to intensify and diversify the RW system. The CA based resource conservation technologies (RCTs) also helps in integrating crop, livestock, land and water management research in both low and high-potential environments. In India, efforts to adopt and promote conservation agriculture technologies have been underway for nearly a decade and it is getting rapid acceptance by farmers. Efforts to develop and spread conservation agriculture have been made through the combined efforts of State Agriculture Universities, ICAR Institutes and the Rice-Wheat Consortium for the Indo-Gangetic plains. The spread of technologies is taking place in India in the irrigated lands in the Indo-Gangetic plains where rice-wheat cropping system dominate. CA systems have not been tried or promoted in other major agro-eco-regions like rainfed semi-arid tropics and the arid regions. Other interventions include raised-bed planting systems, laser equipment aided land leveling, residue management practices, alternatives to the rice-wheat system etc. it has been reported that the area planted with wheat adopting the zero-till drill has been increasing rapidly and presently 25%-30% of wheat is zero-tilled in rice-wheat growing areas of the Indo-Gangetic plains of India.

Conservation agriculture emphasizes that the soil is a living body, essential to sustain quality of life on the Planet. In particular, it recognizes the importance of the upper 0-20 cm of soil as the most active zone, but also the zone most vulnerable to erosion and degradation.

Presently developing and promoting CA systems are highly demanding in terms of knowledge base and capacity building of scientist to address the problems from the systematic perspective and be able to work in close partnership with farmers and others stakeholders. No doubt, CA will offer an opportunity for arresting and reversing the downward spiral of resource degradation, decreasing cultivation cost and making agriculture resources use efficient, competitive and sustainable.

## THE PRINCIPLES OF CONSERVATION AGRICULTURE ARE :

### MAIN OBJECTIVE OF THE CONFERENCE :

1. To draw the roadmap for sustainable management of conservation agriculture.
2. To provide a platform support for conservation agriculture and disseminate of its benefits to farming community and other stakeholders
3. To address the issues of conservation agriculture for enhancing productivity
4. To raise the socio-economic condition through promotion of conservation agriculture

### THEMES AND SUBTHEMES :

- Challenges and opportunities of conservation agriculture
- Conservation agriculture through permanent soil organic cover
- Conservation agriculture through nutrient management
- Water use efficiency in conservation agriculture
- Conservation agriculture through crop residue management/soil cover
- Conservation agriculture through crop diversification
- Conservation agriculture through integrated pest management
- Promoting conservation agriculture through green manuring and organic amendments
- Conservation agriculture through management of degraded lands.

### SUBMISSION OF ABSTRACT :

Abstract must be submitted through email at [ncca@itmuniversity.ac.in](mailto:ncca@itmuniversity.ac.in) by **10<sup>th</sup> Feb, 2018**. Intimation of the accepted abstracts will be done on or before **14<sup>th</sup> Feb, 2018**. Abstracts are limited to one paragraph of 250- 300 words. The total count of words does not include title of the paper, authors name, designation and institutional affiliation. Create the abstract with MS Word or compatible software with single space, using Times New Roman font of 12 point or similar. Title of abstract should be brief and precise and in bold. Author(s) name(s) and affiliation(s) is/are written just below the title of the paper. First author/submitting author should be the contact author. Presenting author's name should be followed by an asterisk (\*).

### SUBMISSION OF PAPER :

Delegates are requested to submit their papers in relation to the thematic areas. Full Length papers of accepted abstracts should be submitted on or before **15<sup>th</sup> Feb, 2018**, through email to [ncca@itmuniversity.ac.in](mailto:ncca@itmuniversity.ac.in).

### POSTER PRESENTATION :

The size of poster will be 36"x24". The poster should be preferably in one piece. The extended summaries contributed for oral presentations and poster sessions shall be discussed at length in a final plenary session. The two best presentations and two best posters shall be awarded in each technical session decided by a panel of experts.

### REGISTRATION AND ACCOMMODATION DETAILS :

The registration fee will include the participation in the conference, conference kit, conference proceedings, lunch, dinner, snacks, etc. Accommodation may be arranged on request in a Hotel/University Guest House on payment basis subject to availability. The request may be sent at: [ncca@itmuniversity.ac.in](mailto:ncca@itmuniversity.ac.in).

### MODE OF PAYMENT :

Registration fee should be paid on spot or contact to Treasurer Dr. Aparna Dube, Mobil: 9453148150.

### REGISTRATION FEE :

Category	Registration Fee
Academicians/Scientists	1000/-
Students*	600/-
Research Scholar*	700/-
Participants from Industry /Private sector	2500/-

*\*To submit bonafide certificate from the Head of the Department/ Institution*

### IMPORTANT DATES :

Submission of Abstracts:..... 10<sup>th</sup> Feb, 2018.  
Communication of Acceptance:..... 14<sup>th</sup> Feb, 2018.  
Full length Paper submission:..... 15<sup>th</sup> Feb, 2018.  
Conference Dates:..... 22-23 February, 2018.



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### ABOUT ITM UNIVERSITY :

ITM University Gwalior has been established in May 2011 by the Act of State Govt. & legislature under 2(f) of the UGC act and recognized by concerned statutory bodies of Govt. of India like AICTE, INC, COA & NCTE etc. It is a multidisciplinary university with an international reputation for the quality of its research and teaching across the academic spectrum. The university has received more than 20 awards and ranked in top category by numbers of Govt. and other agencies.

Recently, the university is ranked 32<sup>nd</sup> in Management & 58<sup>th</sup> in engineering by National institution of ranking framework, Ministry of HRD, Govt of India. The university is approved by concerned regulatory body required to run the courses in Sciences, Engineering, Management, Education, Pharmacy, Library Science, Commerce, Agriculture, Nursing, Architecture, Computer Science, Teacher Education, Art & Design, Physical Education, Science, Law, India & South Asia studies etc. University is at the fore-front of learning, teaching and research in different fields. It seeks to sustain and enhance its excellence as an institution of higher learning through outstanding teaching. At academic front, we are also offering academic programme in cooperation with University of Staffordshire, UK and University of Greenwich, London, UK. We are making endeavors to further extend this network with other well recognized Universities of the globe at the domain of dual degree, research, training, student exchange, faculty exchange and placement of students.

### ABOUT SCHOOL OF AGRICULTURE :

School of Agriculture is started in the year 2013 with offering B.Sc.(Ag) /B.Sc.(Ag.) Honours 4 years course and M.Sc.(Ag.) Agronomy and Horticulture 2 Years course and Ph.D 3 year's courses. Presently the School is running in Sithouli Campus, ITM University, Gwalior. The School is equipped with laboratory and Instructional farm. Course curriculum and Syllabus is completely based on Fourth Deans Committee recommendations of ICAR. The teaching and learning process of SoAg involves a very rigorous academic & skill oriented knowledge transfer by experienced faculty along with opening a window with agriculture know how through various courses, planned with different ecological situations and regional variations.



### SCHOOL OF AGRICULTURE

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