



National Conference on  
“Climate Change and Agriculture:  
Impacts, Resilience & Adaptations for Sustainable Food Security ”

20-21 December 2019

at

India International Centre, Max Mueller Marg, New Delhi -110003

**Organized by:**



**IDC Foundation**

अंतरराष्ट्रीय विकास केंद्र संस्थान

ISO 9001 2015 Certified

**International Development Centre Foundation**

**Knowledge Partner:**



Department of Environmental Engineering  
**DELHI TECHNOLOGICAL UNIVERSITY**  
formerly Delhi College of Engineering  
(under Delhi Act 6 of 2009, Govt. of NCT of Delhi)



**In touch with tomorrow...**

## ➤ About the Conference:

The world's climate is rapidly changing due to global warming and will continue to be severer in the coming decades and centuries ahead. This poses major challenges for future agricultural scenarios to provide food and other bio-resources for the projected global 9 billion people by 2050. Present and posterity will face a challenge of future agricultural systems to cope with mitigation of the adverse effects of climate change on agriculture.

The climate change is experienced to trigger varieties of problems related to agriculture. Climate change will affect all four dimensions of food security: food availability, food accessibility, food utilization and food systems stability. This change will impact human health, livelihood assets, food production and distribution channels, as well as changing purchasing power and market flows. Its impacts will be both short term, resulting from more frequent and more intense extreme weather events, and long term, caused by changing temperatures and precipitation patterns. Food systems will also be affected through possible internal and international migration, resource-based conflicts and civil unrest triggered by climate change and its impacts. At the same time, it is necessary to strengthen the resilience of rural people and to help them cope with this additional threat to food security. Particularly in the agriculture sector, climate change adaptation can go hand-in-hand with mitigation and organic farming. The conference aims at knowledge exchange on the interrelationship between climate change and food security and ways to deal with the new threats.

In order to disseminate the impacts of climate change, relieving strategic technologies for creating sustainable agriculture and food security a two days national conference is planned by the IDC Foundation in December 2019 at India International Centre, New Delhi. The conference sessions will include Innovative lead presentation, summary of case studies as per sessions and full length presentations followed by publications etc.

The important conference will attract huge numbers of Research, Academic and Development Participants from strong and huge network of agriculture setup in the country which is one of the world's largest country. The conference set to cover adversities and impacts and technologies scenarios in diversities.

## ➤ Aims and Objectives of the Conference:

With this overarching mission, the Conference has been designed to provide a platform for interaction among researchers. Policy makers and practitioners in all relevant sectors.

1. Exchange state-of-the-art knowledge on climate change science, adaptation strategies, disaster risk reduction, planning and management, and vulnerability and impact assessment tools, in the context of climate change, among regional stakeholders specifically in the
2. Agriculture and environment sectors; Understanding risks, resilience and adaptations of climate change on agriculture & food security
3. Discussing preparedness of various agencies to respond to risk reduction
4. Capacity building through education, research, training and awareness.
5. Role of Govt. Institutions, Universities & NGOs, scientists & farmers

## ■ Theme: Climate Change and Agriculture: Impacts, Resilience & Adaptations for Sustainable Food Security

### ■ Sub-themes:

- Climate change impacts on agriculture & food security
- Resilience, mitigation & adaptations to address the risk and impacts on agriculture & food security
- Organic Farming and development
- Biotic & abiotic stress in agriculture (disease, water, fertilizer & pesticides) optimization & and capacity building
- Challenges & opportunities of climate smart agriculture (inclusive of modern technology)
- Climate changes related to Environment
- Role of communities, Govt. institutions, Universities, Scientists and farmers
- Role of information & communication technologies (ICTs) risk reduction
- Smart digital farming

## ➤ Who will attend?

• We welcome interdisciplinary approaches and proposals presented by agriculture scientists, educators, scholars, researchers, governmental and NGO representatives, humanitarian organizations, scientists, multilateral organizations, architects, engineers, landscape architects and crisis mappers, planners (regional/city/urban/community/neighborhood/economic/social) and allied professionals, representatives of funding agencies, private sector and not-for-profit agencies, and public policymakers.

• **Students are especially encouraged to attend and present their research work in this field.**

## ➤ Participants :

Agriculture, climate change & Environmental Professionals, Leading agriculture & food processing industries, Subject Matter Experts, Senior Private-Sector Leadership, PPP Subject Matter Experts from the Public and Private Sector, Policy Lobbyists / Legislative Officials, State, and District level Leadership, Leading Academia, Universities, Private sectors, Agriculture, Environment, Jal shakti & Metrology departments and NGOs

**Students are encouraged to submit papers and participate in large numbers.**

## ► Important Dates for :

- Submission of Abstracts ( Max 300 words) prior to : **25 November 2019**
- Acceptance of Abstracts : **1 December 2019**
- Submission of Full length Papers : **10 December 2019**
- Submission of Posters : **10 December 2019**

**For abstracts submission and other queries:**

email: [idconference2020@gmail.com](mailto:idconference2020@gmail.com)

Telephone: **0120-4105164 | 011-26192049**

**For conference details : <http://www.idconferences.org>**

## ■ Publication of Papers:

Selected papers presented at the conference will be considered for publication in the conference proceedings/ International Journal of Agriculture, Environment and it's Sustainability.

## ■ Kindly note the following:

1. Cite abstract title, authors name and current affiliation details
2. The text should be typed in times new roman font (size 12) and single spaced.
3. Full paper in soft form (MS Word file) is required to be submitted after notification of acceptance of abstract.
4. Send abstracts and full length papers by e-mail to convener of organizing committee
5. Posters should be sent by registered post or by hand
6. A brief resume of author should accompany the abstract

## ■ Awards of Excellence:

- All the registered participants will get the participant certificate
- Mementos and certificate of excellence will be awarded for best three papers
- Mementos and certificate of excellence will be awarded for best three posters

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## CONFERENCE REGISTRATION FORM

### National Conference on “Climate Change and Agriculture: Impacts, Resilience & Adaptations for Sustainable Food Security ”

20-21 December 2019

#### Venue:

India International Centre, Max Mueller Marg, New Delhi - 110003

Prof/ Dr/ Mr/ Ms. Name : .....

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**Note: Kindly photocopy for additional participants.**

Please mail the registration form to :

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Prof. S C TYAGI

International Development Centre Foundation (IDC Foundation)

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| <b>Dr. Ravinder Singh</b>           | : Senior Scientist, ICMR, New Delhi  | <b>Convener</b> |

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| <b>Dr M. Prabhakar</b>     | : Principal Scientist (Agril. Entomology) & Principal Investigator, National Innovations in Climate Resilient Agriculture (NICRA) ICAR-Central Research Institute for Dryland Agriculture (CRIDA), Santoshnagar, Hyderabad-500057 |                       |
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| <b>Dr Kamal Kishore</b>    | : Professor, Department of Pharmacology, All India Institute of Medical Sciences, New Delhi   |                       |
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| <b>Dr Meena Shekhar</b>    | : Principal Scientist, ICAR-NBPGR, Pusa Campus, New Delhi 110095  |                       |

## About IDC Foundation

International Development Centre Foundation, (IDC Foundation) was established in 1997. It is an autonomous, national level, non-profit organization which focuses on community development initiatives to fulfill manifold objectives in the areas of Rural Development, , Management Services, Information Technology and Environment related issues including R and D. Currently, Air Vice Marshal (Retd) Prof. Ajit Tyagi, Former Director General of Meteorology and Permanent Representative of India with W.M.O. is the Chairman and Managing Trustee of the Foundation. Foundation's policy is to empower the under-privileged section of the society through education, and skill-based development.

The Foundation aims at developing professional, entrepreneurial and management skills at all levels. For discharging these significantly seminal responsibilities, IDC Foundation has a group of public spirited resource persons and multi-disciplinary experts.

Foundations promotes research by organising workshops, conferences and symposiums and giving awards to students. The Foundation has in the past, successfully organized 32 National and International level conferences, workshops and Symposium on topics of societal importance. Some of these are

### Other activities of the Foundation are:

1. IDC Foundation's "Friends of Farmers" Programme
2. Water Conservation Programme
3. Community Level Awareness Generation Activities
4. Capacity Building Programmes
5. Computer Education and Vocational Training
6. National Environment Awareness Campaign

The IDC Foundation has also established a division viz. Advanced Society for Science and Technology, which is concerned with technology review, spread of technical education, training and R&D.

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Water quality,  
Health and Environment  
Air, water and noise pollution  
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Information Technology.  
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International Symposium on  
" How to Achieve Greater Success-Holistically"

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### Conference Chairman

#### Dr R C Yadav

Former Head, ICAR Soil and Water Conservation, Research Centre  
Agra, Uttar Pradesh  
M: +91 94123 01441  
ramcyadav@rediffmail.com

### Conference Organising Secretary

#### Dr S. K. Tyagi:

Former Additional Director,  
CPCB Delhi &  
GC Member, IDC Foundation  
M: +91 98689 56529  
sktyagi2k@rediffmail.com

### Conference Convener

#### Prof S C Tyagi:

Executive Director,  
IDC Foundation  
M: +91 98110 54645  
idcf97@gmail.com

## Address for Communication :

### Workshop Convener / Executive Director

#### International Development Centre Foundation (IDC Foundation)

Sector 13- C- 19 Second Floor, Vasundahara Hatt, Vasundahara Ghaziabad , 201012 (UP)

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## Previous Workshop Photographs - April 2019

