

**ILSI India Annual Meeting  
&  
Scientific Conference on  
CoCSI  
Climate Smart Initiatives for Nutrition &  
Food Security**

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**Agriculture, Food Processing, Nutrition and Diet**

**09.30-15.30 Hrs., Wednesday 13 November, 2024,  
Sovereign 1, Hotel Le Meridien, Janpath, New Delhi**

**Registration Link: <https://forms.gle/zatsUYGGQzTdyHnt7>**



**International Life Sciences Institute India**  
**India & South Asian Region**

## INTRODUCTION

Climate change is the most critical challenge facing all aspects of Life globally and scientists across the world are devoting attention to finding solutions. Floods, Droughts and rising temperatures accompanied by spread of pests and diseases are a matter of concern. Some estimates show that by 2100, 40% of the world's land surface will have to adapt to new challenges thrown by climate change, agricultural production may fall by 2% per decade through 2050 while at the same time food demand will rise by 14% per decade. Further, higher level of carbon dioxide in the atmosphere may reduce nutrient content / quality of various crops.

Meeting the challenges posed by climate change and ensuring food and nutrition security, requires action on demand side as well as supply side. While such agricultural practices will have to be adopted which will deal with problems of drought, quality of crops and conservation of precious resources (land, energy and water), adoption of efficient and green technologies in food processing, use of bio-degradable packaging materials, checking post harvest losses, availability of cold-chain, discovery of alternative sources of protein and adoption of climate friendly dietary practices will be crucial.

ILSI India has been devoting attention to various aspects relating to climate change and has organized number of activities. Most recently it organized a Roundtable on LIFE-Lifestyle for Environment (2022) and sponsored a Status Paper on Global Initiatives to Reduce Post-Harvest Food Losses and Wastage (2024).

The Conference on **Climate Smart Initiatives for Nutrition & Food Security: Agriculture, Food Processing, Nutrition and Diet** is another effort by ILSI India to look at the initiatives that can be taken in different sectors to deal with issues associated with climate change and to promote sustainability across the value chain from Agriculture to Food Processing to Consumers.

## OBJECTIVES

The focus of discussion will be on Agriculture, Food Processing and Packaging and Nutrition and Dietary Habits. More particularly the Conference will:

- Discuss Agricultural practices and technologies which can promote sustainability while balancing productivity and nutrition.
- Identify Green Technologies for promoting food safety and nutrition.
- Present new developments in Alternative Proteins.
- Look at Industry initiatives on Sustainability.
- Explore Dietary practices for mitigating GHGs and challenges in implementing these practices.

## Who Should Participate?

The Scientific Symposium will be of interest to researchers, scientists and experts from Government; Academia; International Organizations; Industry manufacturing packaging materials, processed foods; food ingredients; functional foods; probiotics and prebiotics, bioactives and nutraceuticals; Packaging Industry; Health Professionals; NGOs ; R&D organizations, Agriculture Scientists, Experts working on Nutrition and Health, Sustainability and Food Safety.

## AGENDA

**09.30 -10.30 Hrs.**

### OPENING SESSION

Welcome and Observations by  
*Dr. B. K. Nandi*, Chairman, ILSI India

Release of Status Paper on:  
Global Initiatives to Reduce Post-Harvest Food Losses and Waste

Official Business  
*Dr. Manoj Joshi*, President, ILSI India  
*Dr. S. K. Saxena*, Treasurer ILSI India

Vote of Thanks  
*Dr. Manoj Joshi*, President, ILSI India

**10.30 -10.45 Hrs.**

### TEA BREAK

**10.45 -13.00 Hrs.**

### SESSION ONE

#### Adoption of Sustainable Practices - Technologies in Agriculture and Food Processing

Chair: TBC

10.45 -10.50 Hrs.

Opening Remark by Chair

10.50 - 11.15 Hrs.

Overview of Climate Smart Agriculture Technologies for Promoting Sustainability and Balancing Productivity and Nutrition

*Prof. K. C. Bansal*, Secretary, National Academy of Agricultural Sciences, India and Former Director of National Bureau of Plant Genetic Resource ICAR, Gurugram

Green Technologies for Promoting Food Safety and Nutrition with Special Focus on:

11.15 -11.35 Hrs

1. Food Processing

*Dr. Rajni Chopra*, Professor & Head of Department of Food Science and Technology, NIFTEM, Kundli, Sonipat, Haryana

11.35 -11.55 Hrs

2. Packaging

*Prof. Kirtiraj Kundlik Gaikwad*, Associate Professor, Packaging Technology Division, Department of Paper Technology, IIT Roorkee, Uttarakhand

11.55 -12.20 Hrs.

Alternative Proteins: Food Out of Thin Air – Microbial Protein Production via Gas Fermentation with CO<sub>2</sub> and H<sub>2</sub>

*Dr. Arttu Luukanen*, Senior Vice President, Space and Defense, Solar Foods, Finland

12.20 -12.35 Hrs.

Industry Initiatives on Carbon Footprints / Sustainability

*Mr. Bharat V. Mehta*, Vice President, PET Marketing, Reliance Industries Ltd., Mumbai

12.35 -12.50 Hrs.

Discussion

12.50 -13.00 Hrs.

Sum Up by Chair

**13.00 -13.45 Hrs.**

### LUNCH BREAK

**13.45 -15.30 Hrs.**

### SESSION TWO

#### Climate Smart Dietary and Nutrition Practices

Chair: TBC

13.45 -14.05Hrs.

Opening Remarks by Chair

14.05-14.30 Hrs.	Overview of Current Trends and Shifts in Dietary Pattern in India and Nutrition and Dietary Practices to Mitigate the GHGe <i>Dr. Kamala Krishnaswamy, Former Director, ICMR-National Institute of Nutrition, Chennai</i>
14.30-14.50 Hrs.	Challenges in Making Behavioral Changes and Consumer Communication <i>Dr. Sylvia Fernandez Rao, Scientist E, Behavioural Science Unit, Extension &amp; Training Division, ICMR-National Institute of Nutrition, Hyderabad</i>
14.50-15.10 Hrs.	Discussion
15.10-15.30 Hrs.	Sum Up by Chair

**15.30 Hrs. TEA BREAK**

## Registration

**No Registration Fee** will be charged from ILSI India Members, ILSI India Board of Trustees, K-FFIG Governing Council Members, Government and Academic Institutions however, it is important to register by 5<sup>th</sup> November 2024.

**Registration Fee of INR 3000** will be charged from representatives from Industry. **Cheque / DD** should be drawn in favour of **ILSI India** and forwarded to Ms. Varsha Bisht along with Registration Form at the following Address: C-39, Ground Floor, Lajpat Nagar III, New Delhi – 110024.

Please write to ILSI India for payments to be made through Bank transfers.

### Registration Link

To register click the following link : <https://forms.gle/zatsUYGGQzTdyHnt7>

If the Registration Link does not open please copy to the browser or use the enclosed [Registration Form](#).

Registration will be on **First Come First Served** basis. [Registration Confirmation](#) will be sent to the participants.

**Registration Desk** will operate at Conference venue from 08.30 Hrs. onwards on Wednesday November 13 to handover the Conference materials.

## REGISTRATION DEADLINE

5<sup>th</sup> November, 2024

For any clarification email Mrs. Varsha Bisht or call her at [vbisht@ilsi-india.org](mailto:vbisht@ilsi-india.org),

Tel: 011-41654760 / 29848752 / 29843478

## About ILSI India

ILSI India is an entity of the International Life Sciences Institute (ILSI), headquartered in Washington DC., USA. ILSI India provides scientific inputs and secretariat assistance to the South Asian Region It has headquarters in New Delhi. It is a scientific, non-profit organization.

ILSI India designs programs to foster multi-sector collaboration for conducting, summarizing, and disseminating science related to most pressing health issues in the region. ILSI strategy encourages global action on identifying and then resolving outstanding scientific questions in the four thematic areas that capture the core of ILSI / ILSI India's work: Food Safety, Risk Science and Toxicology, Nutrition and Health, Sustainable Agriculture and Nutrition Security. They also help elucidate new opportunities for driving scientific progress. All activities follow Principles of Scientific Integrity which are part of ILSI Mandatory Policies. More information can be downloaded from: <http://www.ilsi-india.org>.



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