

ILSI India Annual Meeting and Scientific Symposium

**Theme:
Towards Ensuring Adequacy
and
Safety of Foods and Nutrients**

**Tuesday, December 5, 2023
Inspire Hall, Hotel Le Meridien, New Delhi**



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

Introduction

It has always been an endeavor of ILSI India to look at the strategies for improving public health. It has conducted several programs including conferences, seminars, workshops, training programs and sponsored research and published monographs and articles in scientific journals for building food and nutrition security, improving lifestyle, promoted science based approaches including technologies for improving quality and safety of foods and food ingredient. At the time of 2023 ILSI India Annual Meeting it will organize 2 Scientific Symposia as mentioned below.

Scientific Symposium 1

Nutrient Risk Assessment – Is It A Tool for Ensuring Safe Use & Improving Nutrition Status

The food safety ecosystem is evolving and trying to find out areas of interests and innovation to cater to diverse needs of the consumers without compromising the safety aspects. In India, there is growing interest to identify upper levels of intake for nutrients and related substances which can be used as tool for improving nutrition status of the population in general and demands of personalized nutrition in particular. However, keeping the safety of the product and consumer health on priority, ILSI India would like to further this discussion by examining scientific arguments to establish upper levels which could be the best possible answer to the growing demand.

The WHO defines the upper level of intake (UL) as “the maximum level of habitual intake from all sources of a nutrient or related substance judged to be unlikely to lead to adverse health effects in humans”. Nutrient risk assessment (NRA) approach is a science-based approach and is used for determining ULs. Authoritative scientific bodies in major regions/ countries such as European Food Safety Authority (EFSA), Food and Nutrition Board of the Institute of Medicine (IOM) USA, Expert Group on Vitamins and Minerals (EVM) UK, etc. as also Indian Council of Medical Research (ICMR) National Institute of Nutrition, India have done considerable work in this area, wherein ICMR has established and recognized the same in RDA 2020 document.

Objectives

- *To discuss the importance of Nutrition for healthy life, immunity, healthy aging and in the context of preventing / managing Communicable diseases including pandemic like Covid-19 and non-communicable diseases.*
- *To discuss the usefulness of Nutrient Risk Assessment as a tool for setting up safe Upper Levels for Nutrients consumed through all sources from public health perspective.*
- *To look at international approaches and public health experience the context of using NRA for determining safe Upper Levels.*
- *To scientifically examine risks as well as benefits claimed to be associated with Nutrient Risk Assessment and setting up safe Upper Levels for Nutrients.*

Scientific Symposium 2

Building a Resilient Food Security System–From Farm to Fork

Concerns for food safety have increased globally in recent times with new/emerging food safety risks and increase in the volume of international food trade. An integrated, multidisciplinary based surveillance approach that considers the entire food chain is important for food safety assurance. Recently, the WHO has described the concept of integrated food chain surveillance as a holistic approach for controlling food safety risks across the entire food chain. Many developed countries have set up the integrated food chain surveillance system. It is important to examine its applicability in developing countries including India.

The India's population will increase from 1.4 billion currently to 1.7 billion by 2050 and global population from 8 billion to 9.7 billion by 2050. It will be quite challenging to ensure food security to all particularly in the current climate change scenario. While use of new technologies to increase productivity is one of the approaches, another approach could be to save food losses from farm to fork. Grain saved is equivalent to grain produced.

Objectives

- *Review the importance of surveillance and monitoring in ensuring food safety.*
- *Look at the concept and elements of integrated food chain surveillance system.*
- *Examine the application of the integrated food chain surveillance system in the Indian context and discuss the model action/activity plan.*
- *Present the recent technological interventions in reducing post-harvest loss in the world.*
- *Discuss advancement in post-harvest management, supply chain, processing and value addition in the world and challenges*
- *Explore initiatives taken by different countries to check post-harvest food losses and wastage including quality and safety regulations and discuss how such initiatives can be implemented in the country to strengthen food and nutrition security.*

AGENDA

09.30-10.15 Hrs. Registration and Tea

10.15-11.30 Hrs. Opening Session

Welcome and Observations by

Dr. B. K. Nandi, Chairman, ILSI India

Special Address on Role of Functional Foods in Strengthening Immunity and Gut Microbiome and Gut Brain Axis

Dr. B. Sesikaran, Chairman, K-FFIG

Release of ILSI India Monographs

Vote of Thanks

Ms. Rekha Sinha, Executive Director, ILSI India

11.30-11.45 Hrs. Tea Break

11.45-13.15 Hrs. Scientific Symposium 1

Nutrient Risk Assessment – *Is It A Tool for Ensuring Safe Use & Improving Nutrition Status*

Chair: Dr. B. Sesikaran, Chairman, K-FFIG

Opening Remarks by Chair

Introduction to Methodology for Risk Assessment for Nutrients for Promoting Public Health-Safety / Benefits

Dr. V. Sudershan Rao, Former Deputy Director and Head of FDTRC (Food & Drug Toxicology Research Center), ICMR - National Institute of Nutrition, Hyderabad

Application of Nutrient Risk Assessment in Indian Context

Dr. K. Bhaskarachary, Former Deputy Director and Head Department of Dietetics, ICMR-National Institute of Nutrition, Hyderabad

Discussion

13.05 Hrs. Sum Up by Chair

13.15-14.00 Hrs. Lunch Break

14.00-15.30 Hrs. Scientific Symposium 2

Building a Resilient Food Security System–From Farm to Fork

Chair: Dr. B. K. Nandi, Chairman, ILSI India

Opening Remarks by Chair

Integrated Food Chain Surveillance for Enhancing Food Safety- A Model Approach

Dr. Vasanthi Siruguri, Former Scientist F, Food Safety Division, ICMR-National Institute of Nutrition, Hyderabad

Strategy to Reduce Post Harvest Losses and Wastage

Dr. R. K. Vishwakarma, Principal Scientist & LC-PC, CRP on Secondary Agriculture, ICAR- Central Institute of Post-Harvest Engineering & Technology, Ludhiana

Discussion

15.15 Hrs. Sum Up by Chair

15.30 Hrs. Tea Break

Who Should Participate?

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

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 November 30, 2023

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/pm43DfWpDowxkr12A>

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 09.30 Hrs. onwards on Tuesday December 5 to handover the Seminar materials.

REGISTRATION DEADLINE

Thursday, November 30, 2023

For any clarification email Mrs. Varsha Bisht or call her at vbisht@ilsi-india.org,
Tel: 011-41654760 / 29848752 / 29843478

About ILSI India and K-FFIG

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>.

Gut Microbiome is an exciting new field of research. As the science of microbiome and the role of food based approaches in strengthening it over a lifetime is emerging ILSI-India launched **Knowledge Center on Functional Foods, Immunity and Gut Health (K-FFIG)** - a center of excellence - in New Delhi in October 2019. The Knowledge Center acts as a Think Tank, involving stakeholders from Government, Academia and Industry, that works towards sharing relevant research and technological developments in the area of human microbiome and functional foods. **K-FFIG has undertaken several activities including: organization of Scientific Meetings, undertaking Surveys, sponsoring, Research, publishing Monographs and articles in journals, creating Resource Center on latest studies on Microbiome and Gut Health and Functional Foods including Probiotics and Prebiotics.** For more information visit: <http://www.ilsi-india.org/kffig.htm>.



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