

ILSI India's Pioneering Work

1997-2022

ILSI India has had an interesting journey over the last 25 years. ILSI-India has been in the forefront of activities relating to food and water safety, nutrition, risk sciences and agricultural sustainability in India and other countries in the SAARC region. The high quality of the scientific information generated at its Workshops, Conferences, Research Programs and Publications have guidance to the scientists from Government, Industry and Academia on the actions to be undertaken in their areas of work. Capacity building activities conducted by national and international experts have imparted the necessary skills to the participants.



Focus Areas of Scientific Work

- Nutrition and Health for All
- Lifestyle for improving Health and Environment
- Improving Food and Water Safety
- Building Agriculture Sustainability
- Enhancing Food and Nutrition Security
- Exploring new frontiers of science Brain Health, Gut Microbiome, Nutritional Diagnostics, Personalized Nutrition, Food Processing Technologies, New Plant Breeding Technologies, Biotechnology, Nanotechnology
- Climate Change and its impact on Food and Nutrition Security and Water Availability and Food Safety



Contribution of Some of the Key Scientific Activities Pioneered by ILSI India

ILSI

NUTRITION

- Generating evidence based science for adopting Food Based Approaches including Micronutrient Fortification of Foods to Address the Challenge of Eliminating Micronutrient Malnutrition - Since 1999.
- Bringing Attention to Vitamin D Deficiency and Its Adverse Impact on Health and Role of Fortification in Dealing with this Problem – Since 2010.
- Addressing Lifestyle and Diet Related Issues including Metabolic Disorders for Different Segments of Population Including Children, Adolescents, Elderly, Pregnant and Lactating Mothers, Persons affected by HIV/AIDS on the One Hand and Sports Persons on the Other - Since 1997.
- Creating Awareness on Consumption Levels of Fat, Sugar and Salt by Indian Population and Strategy for Reducing their Consumption to Levels Recommended by ICMR – Since 1998.
- Examining the Role of Healthy Gut Microbiome in Promoting Health and Immunity and Role of Functional Foods Including Probiotics and Prebiotics in Strengthening Gut Microbiome – Since 2009.
- Initiating Discussions on New and Innovative Approaches for Improving Public Health such as Nutritional Diagnostics, Personalized Nutrition and Bioactive Molecules – Since 2022.



FOOD AND WATER SAFETY

- Preparation of Vision 2025 on Water Quality Management: South Asian Perspective – Since 2002.
- Addressing the Importance of Harmonization of Food Regulations in SAARC Countries – Since 1997.
- Drawing Attention towards Modernizing Food Control System in SAARC Countries and Establishing Need for Strong Infrastructure and Training of Manpower for Offering Safe Food to Consumers – Since 2000.
- Preparing the Blueprint for Surveillance and Monitoring System for Food Safety in India 2007-08.
- Highlighting the importance of use of Packaging Materials to ensure that food are safe as also drawing Guidelines for ensuring that Safe Packaging Materials are used – Since 2006.
- Examining the need for using Food Additives and their Safety Protocols Since 1997.
- Imparting Skills in Good Food Laboratory Practices Since 2016.



RISK ASSESSMENT

 Improving Knowledge Base in Risk Assessment through organization of Expert Consultations, Workshops and Training Programs on Nutrient Risk Assessment, Chemical and Microbiological Risk Assessment, GM Foods and Plants, Detection Methods for GM Foods and Plants and Pesticide Residues - Since 1999.

NEW TECHNOLOGIES FOR FOOD AND NUTRITION SECURITY

 Looking at Safety and Benefits of New Technologies which can improve Food Safety, contribute towards Agriculture Sustainability, improve Nutrient Delivery Mechanism, improve Food Processing and Packaging such as: New Plant Breeding Technologies, Biotechnology, Nanotechnology, High Pressure Processing etc. – Since 1999.

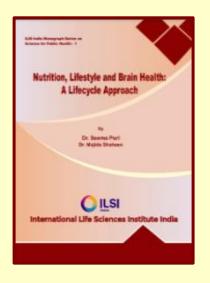


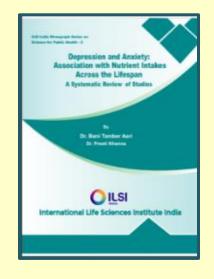
CLIMATE CHANGE AND IMPACT ON FOOD SAFETY AND NUTRITION SECURITY

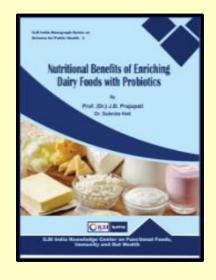
 Examining the impact of Climate Change on Water Availability, Agriculture Productivity, Food and Nutrition Security and drawing the Strategy for Mitigation and Remediation. Also identifying steps to bring Lifestyle Changes to reduce Carbon Footprints. Examining the use of innovative technologies for developing new varieties of Food Crops, Vegetables and Fruits which require less of land and water and use of eco-friendly Packaging Materials- Since 2013

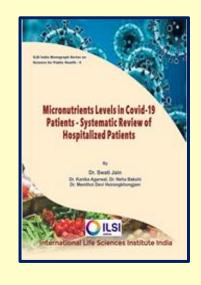
ILSI INDIA LATEST PUBLICATIONS



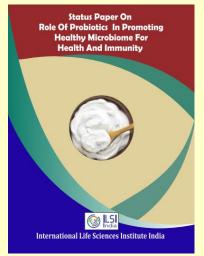


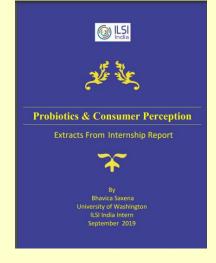


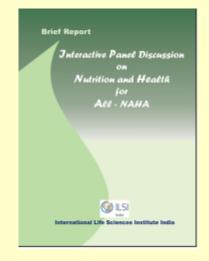








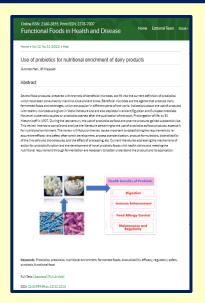




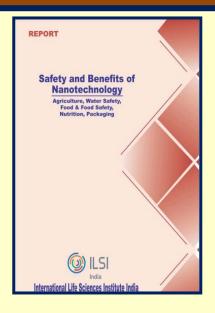


LATEST PUBLICATIONS

ILSI INDIA

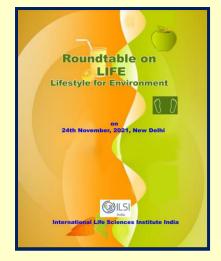


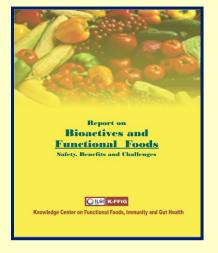












K-FFIG Resource Centre

http://www.ilsi-india.org/kffig.htm

Recent Studies (Peer Reviewed Journals) – 450 Studies & Publications



- Microbiome and Gut Health 190 Studies
- Immunity and Probiotics 102 Studies
- Prebiotics 31 Studies
- Functional Foods 51 Studies
- Gut Microbiome and Neurological and Neuropsychiatric Disorders- 30 Studies
- Gut Microbiome and Antimicrobial Resistance 46 Studies