

First National Symposium on NUTRICS

New Methodologies for Nutritional Diagnostics

Date

24 February, 2022, New Delhi

Time

15.00-17.20 IST

Camp: New Delhi

Web Platform: CISCO Webex

The CISCO Webex Link for joining the Symposium is:

<https://ilsi-india.webex.com/ilsi-india/j.php?MTID=mcc665a1c46de7357b6ce1a06dc3d7575>



International Life Sciences Institute India

About the Symposium

Malnutrition (including under nutrition, overweight and obesity) are a matter of concern as they negatively impact morbidity, mortality, quality of life, productivity and entail huge expenditure on health care. Preventing maternal and child malnutrition is a priority for promoting growth, development and health. It is important that malnutrition is identified in a timely manner so that timely interventions can be undertaken.

Dietary Fibers are nutritionally important and health promoting substances are found in fruits, vegetables, whole grains and legume. They can also be added to processed foods. Fibers can provide many health benefits such as relieving constipation, building healthy gut microbiome, helping to maintain a healthy weight, lowering the risk of diabetes, heart disease and some types of cancer.

In recent years there has been advancements in Nutritional Diagnostic Technologies which facilitate rapid assessment of nutritional biochemical markers and fast diagnosis of health status. At the same time there have been developments in methodologies for assessment of Dietary Fibers in foods.

The new technologies will revolutionize the manner in which health status is evaluated and diet is planned suitably to deal with malnutrition problems. ILSI India is organizing a virtual Symposium on “New Methodologies for Nutritional Diagnostics” on Thursday, February 24, 2022 to discuss the new technologies.

AGENDA

15.00 Hrs. *Opening of Meeting Room, Assembly and Announcements*
Ms. Rekha Sinha
Executive Director, ILSI India

15.15 Hrs. *Welcome by*
Prof. P. K. Seth
Chairman, ILSI India

15.22 Hrs. *Observations by*
Prof. V. Prakash
Former Director, CSIR-CFTRI

PRESENTATIONS

15.30 Hrs. *Developments in Personalized Nutritional Diagnostic for Improving Health*
Dr. Andrea Bulbarello
Global Innovation Director Personalized Nutrition, DSM Nutritional Products Ltd, Switzerland

16.00 Hrs. *Developments in Dietary Fiber Estimation Techniques in Food (including processed foods)*
Dr. Lalitha R Gowda
Former Chief Scientist, CSIR-CFTRI, Mysuru

16.30 Hrs. *Food 3D Printing for Personalized Nutrition*
Dr. Jeyan A. Moses
Assistant Professor and In-Charge, Department of Computational Modeling and Nanoscale Processing Unit, National Institute of Food Technology, Entrepreneurship and Management (NIFTEM), MoFPI, GOI, Thanjavur

16.50 Hrs. *Discussion*

17.05 Hrs. *Closing Remarks by Chair and Co-Chair*

17.15 Hrs. *Vote of Thanks*

17.20 Hrs. *End of Symposium*

Who Should Participate

The Symposium will be of interest to researchers, scientists and experts from Government, Academia, International Organizations, the Industries manufacturing processed foods, food ingredients and nutraceuticals, NGOs and R&D organizations and Diagnostic Laboratories working on Nutrition and Health in general and Personalized Nutrition in particular.

Free Registration

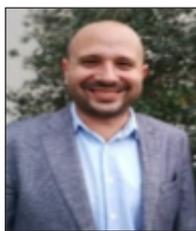
There is no registration fee however it is important to register by Monday February 21, 2022. To register click the following link :

<https://forms.gle/Rjqo5jiMLA7jaPaT8>

If the link does not open please copy to the browser to open or contact ILSI India for Registration Form at vbisht@ilsi-india.org, Tel: 011-41654760 / 29848752 / 29843478.

ILSI India will send Registration Confirmation.

About the Speakers



Dr. Andrea Bulbarello
Global Innovation
Director Personalized
Nutrition
DSM Nutritional
Products Ltd.
(Kaiseraugst, CH),
Switzerland

Dr. Andrea Bulbarello has done Ph.D in “Food Chemistry and Biotechnologies” from Università degli Studi di Milano in 2009. The Thesis title was: “Nanotechnology as Novel Tool in Food Science”. Dr. Andrea Bulbarello had also undertaken Post Doctorate Research Project on “Sensory Modulation” which involved Electronic tongue development; Electrochemical sensors and biosensors development for analytical and qualitative determination/characterization of herbal extract and antioxidants and Design of Experiment planning and Multivariate statistical evaluation of the data with dedicated software.

Dr. Bulbarello has been working in DSM Nutritional Products Ltd. (Kaiseraugst, CH) since 2008. At present he is the Global Innovation Director, Personalized Nutrition and is responsible for Shaping the organization's Personalized Nutrition Innovation projects pipeline; Contribute to shape the company's Personalized Nutrition long term strategy, together with the corporate strategy function; Manage internal and external network of subject-matter experts to conduct early-stage technology assessments; Conduct research on market sectors and emerging technologies with the goal of establishing proper valuation and price for licensing technologies and explore, analyze and prioritize relevant external open innovation opportunities and Build and maintain a robust network of startups, academics, accelerators, incubators and KOLs operating in scientific fields and industries of relevance.

Dr. Andrea Bulbarello has published articles in reputed scientific journals including: Biosensors and Bioelectronics, Electroanalysis, Chemm. Comm., and Journal of the American Chemical Society.



Dr. Lalitha Gowda
Former Chief Scientist
CSIR-Central Food
Technological Research
Institute, Mysore

Dr. Lalitha R. Gowda retired as Chief Scientist from CSIR-Central Food Technological Research Institute, Mysore in the year 2014. Post retirement her passion for achieving the highest standards, knowledge dissemination and teaching still remain. Leveraging her vast experience and expertise, she continues to be diligently involved in various aspects of food safety and quality assurance.

She obtained her Ph.D in Biochemistry from Baylor University, Texas USA and has had post-doctoral training at the Department of Biochemistry Cambridge University UK. With a very impressive academic and research record of very high caliber in biochemistry she established a coherent and productive program of research making significant contributions to protein science and analytical biochemistry. Her professional experience as a research scientist,

with specialization in the areas of structural and molecular characterization of plant proteins, protein engineering and detection methods for the evaluation of genetically modified organisms, food safety issues, including grass-root work, academic activities, consulting work, and positions of institutional leadership spans over three and half decades. She has to her credit several peer-reviewed academic publications of international repute, books, and articles for the popularization of science. She has acquired exceptionally strong analytical skills, with extensive knowledge of food analysis for which she is globally recognized.



Dr. Jeyan A. Moses

Assistant Professor,
Department of
Computational Modeling
and Nanoscale Processing
Unit, National Institute of
Food Technology,
Entrepreneurship and
Management (NIFTEM),
MoFPI, GOI, Thanjavur

Dr. Jeyan Arthur Moses completed his B.Tech. and M.Tech. from Karunya University, Coimbatore. For his outstanding academic performance in both degrees, he was awarded Gold Medal and received Best Outgoing Student Award and Food Processing Award. He completed his Ph.D from NIFTEM-Thanjavur (formerly Indian Institute of Food Processing Technology). His research work focused on the simulation and validation of three-dimensional airflow pressure patterns in grain beds, which he carried out at the Canadian Wheat Board Centre for Grain Storage Research, University of Manitoba, Canada.

His research focuses on 3D printing of foods, computational modeling of food processing systems, nutraceutical delivery systems and food nanotechnology. He is also a member of selected professional bodies and serves as editorial board member and reviewer for reputed SCI journals, and has authored 225 publications in reputed journals, popular magazines and book chapters.

Dr. Moses has received several prestigious Awards including: National Academy of Sciences India (NASI) Young Scientist Platinum Jubilee Award, Association of Food Scientists & Technologists India (AFSTI) Young Scientist Award, Society of Chemical Industry (SCI) - UK Seligman APV Bursary, Dr. V. Subrahmanyam Best Scientist Award, iCFP Young Scientist Award (Bangkok), Science & Engineering Research Board (SERB) Early Career Research Award, TN State Council for Science and Technology Travel Grant for Young Scientists and Grant for Dissemination of Innovative Technology, AFSTI Dr. K.R. Bhattacharya Memorial Travel Grant and SERB-ITS Grant. He has received Best Paper Awards from American Society of Agricultural and Biological Engineers (ASABE), Indian Society of Agricultural Engineers (ISAE)-JAE, and IEEE. He has received Best Poster Awards from International Union of Food Science and Technology (IUFoST) and ICFoST.

About ILSI India

International Life Sciences Institute with Head Quarters in Washington DC is a global, nonprofit federation dedicated to generating and advancing emerging science and groundbreaking research to ensure foods are safe, nutritious and sustainable, and that they improve planetary and human health and well-being in the 21st century. ILSI India is an Entity of ILSI and has Head Quarters in New Delhi. It provides scientific inputs and secretariat assistance to the South Asian Region, with headquarters in New Delhi. It works on public health issue relating to Food Safety, Risk Science and Toxicology, Nutrition and Health, Sustainable Agriculture and Nutrition Security with scientists from Government, Industry and Academia. It carries out its mission through convening Scientific Meetings, Sponsoring Research, organizing Training Programs and bringing out Monographs. It follows the Principles of Scientific Integrity in all its work. Visit ILSI India Website for more information: www.ilsi-india.org.

For more information:



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