



## 16<sup>th</sup> Food Safety Quality and Regulatory Summit

### *Powering Food Safety, Quality and Regulatory Programs with Next Generation Tools, Techniques and Technology*

27, 28, 30 July & 9 Aug 2021

#### Program Structure

1445 Hrs IST<sup>1</sup>

Online Registration

1730 hrs: 27<sup>th</sup> July 2021

Inaugural Session

1730 – 1740 IST	<b>Welcome Remarks and Address</b>	<b>Mr Mayank Jalan</b> Co-Chairman, CII National Committee on Food Processing and Fisheries, Animal Husbandry & Dairying & Managing Director Keventer Agro Limited
1740 – 1750 IST	<b>Address</b> Plastics recycling through sustainable technology interventions	<b>Mr Deepak Iyer</b> Co-Chairman, CII National Committee on FMCG & President, India Business Unit, Mondelez, International
1750 – 1805 IST	<b>Special Address</b> One Health- The Way Forward	<b>Ms Hikuepi (Epi) Katjuongua, PhD</b> Senior Agriculture Economist Food and Agriculture Global Practice World Bank Group
1805 – 1820 IST	<b>Special Address</b> New Era of Smarter Food Safety and Its Impact of COVID-19 Response- The FDA Insight	<b>Mr Frank Yiannas</b> Deputy Commissioner for Food Policy and Response Food & Drug Administration
1820	<b>Keynote Address</b>	<b>Mr Arun Singhal</b> Chief Executive Officer Food Safety and Standards Authority of India (FSSAI)
	<b>Closing Remarks</b>	<b>Dr Nimish Shah</b> Chairperson, CII Expert Group on Food Safety & Quality and Formerly Unilever & Toilet Board Coalition

Close

<sup>1</sup> IST: India Standard Time is 5.5 hours (5 hours 30 minutes) ahead of Greenwich Mean Time (GMT+5.5)

1500 – 1730 hrs : 27 July 2021

**Powering Food Safety, Quality and Regulatory Programs with Next Generation Food Safety Technology, Tools and Techniques**

Next Generation Food Safety, Technology, Tools and Techniques are increasingly being explored by the Food Business Value Chain to comply to Food Safety across the supply chain. While instrumentations and devices like sensors, mobile apps for online services, digital auditing tools are already finding wide applications, next generation sequencing technologies related to Food microbiology with publicly available genomic data , tracking Investigations , Internet of things , validated Rapid Testing kits, novel food processing technologies include advances in radio frequency, microwave, ohmic and infrared heating during processing would be the game changers and would help usher in the new era of smarter Food safety.

This session aims to deliberate on the applications and significance of smart next generation tools , techniques and technologies which are expected to shape the future of Food Safety as relevant to Food Business operators as well as the Regulators

<b>1500 - 1505 IST</b>	<b>Welcome Address</b>	CII
<b>1505 – 1515 IST</b>	<b>Context Setting by Session Moderator</b>	<b>Dr Nimish Shah</b> Chairperson, CII Expert Group on Food Safety and Quality and Formerly Unilever & Toilet Board Coalition
<b>1515 – 1535 IST</b>	<b>The Game Changer-Next Generation Sequencing and its Impact on Food Fraud &amp; Authenticity.</b>	<b>Dr. Indranil Chatterjee</b> Application Scientist – Industrial Microbiology Thermo Fisher Scientific, India
<b>1535 – 1555 IST</b>	<b>Mycotoxins solutions for Meat and Fish Testing, Fruits/Vegetables, Ag Bio Research, Processed Food Testing"</b>	<b>Mr. Paul Morrison</b> Portfolio Director-End Markets and Microbiology Food Safety Perkin Elmer
<b>1555 – 1615 IST</b>	<b>Design and Implementation of Food Regulatory Programs to promote Compliance Promotion</b>	<b>Dr. Samuel Godefroy</b> Full Professor, Food Risk Analysis & Regulatory Policy, Université Laval, Québec, QC. Canada
<b>1615 – 1635 IST</b>	<b>Processing Factors of Pesticide Residues in Cereals and Cereal based Processed Food</b>	<b>Dr Elena Hakme,</b> Asst Professor, DTU Food - Denmark Member of EURL-CF, Pesticide residues in Cereals and feeding stuff
<b>1635 – 1650 IST</b>	<b>Artificial Intelligence for accelerated growth of the Food Industry</b>	<b>Dr Rachna Dave</b> Founder and CEO, MicroGO
<b>1650- 1705 IST</b>	<b>Advances in Biotechnology/Genetic engineering addressing food/environmental safety concerns of GM foods</b>	<b>Dr. Randal Giroux</b> Vice President - Global Regulatory Leader

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Cargill Incorporated -Wayzata, MN,  
USA

1705 – 1720 IST	Question / Answer	
1720 – 1725 IST	Vote of Thanks	CII
1725 – 1730 IST	Feedback from participants	

1515 – 1815 hrs: 28 July 2021

### Session on Food Safety and Efficacy of Recycled Plastics for Sustainable Food Packaging

Regulations in many developed and developing economies such as Europe, USA, Nigeria and several Latin American countries allow recycled plastics in food contact applications like food packaging thus effectively reducing the use of virgin resin in manufacturing. Since large amount of plastics is used as food packaging, it is important that waste generated by the food chain is recycled to rotate the same plastics in a circular value chain. Under the current scenario, existing Indian regulations like Plastic Waste Management Rules 2016 of Ministry of Environment, Forests and Climate Change, Food Safety & Standard (Packaging) Regulations 2018 and Bureau of Indian Standards, do not allow use of recycled plastics in the manufacture of Food Contact Materials. FSSAI had taken an initiative towards reduction of plastic footprint in the F&B industry, wherein many of the Food businesses have pledged to eliminate single-use plastic in coming years, develop environmental friendly substitutes and strengthen an efficient plastic collection and recycling/disposal system in the F&B sector.

In this context, a Stakeholder interaction in Food Safety and Efficacy of Recycled Plastics for Sustainable Food Packaging, aspects of biodegradability, alternate sources & processing and use of Polypropylene and Polyethylene including how packaging can reduce food waste has been designed to create an Information sharing session comprising Presentations on Global Best practices and a Panel Discussion to deliberate on the challenges, opportunities and the Way Forward. The details of session are provided below

#### **1515 – 1700 IST: Technical Session on Food Safety of Recycled Plastics for Sustainable Food Packaging**

1515 – 1520 IST	Welcome Address	CII
1520 – 1535 IST	Flexible Packaging Designed for the Future of Recycling	<b>Mr Sergio Perelman</b> , Director, Global Productivity Packaging East Hanover, US Mondelez
1535 – 1550 IST	Food Safety and Efficacy Considerations for Recycled Plastics for Use in Sustainable Food Packaging (PET)	<b>Mr Ravi Prasad</b> Director, Quality, Safety & Environment for India and South West Asia Coca Cola

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<b>1550 – 1605 IST</b>	Pioneering the implementation of recycled polyolefins in food packaging via advanced recycling	<b>Dr. Srivatssan Mohan</b> Packaging Materials Specialist, Unilever Foods Innovation Centre, The Netherlands and <b>Dr Sanjeev Das</b> , Unilever
<b>1605 – 1620 IST</b>	Innovation and Best Practices in Alternate Sources/ Processing on Biodegradable Plastics	<b>Prof. Cristina Nerin (PhD)</b> Full professor of Analytical Chemistry Director of Research Group GUIA (I3A) Faculty of Engineering University of Zaragoza, Spain
<b>1620 – 1635 IST</b>	Question/ Answer	<b>Dr Nandini Kumar</b> Session Moderator and Consultant CII - ITC Centre for Excellence for Sustainable Development (CESD)
<b>1635 – 1645 IST</b>	Break	
<b>1645- 1700 IST</b>	Special Address	<b>Dr. Satyendra Kumar *</b> Director , HSM Division MoEFCC

**1700 – 1815 hrs: Panel Discussion : Challenges, Opportunities, Global Regulations, Technology and Possible solutions for India on Food Safety of Recycled Plastics for Sustainable Food Packaging and how it can Reduce Food Waste**

	Session Moderator	Dr Nandini Kumar
<b>1700 – 1800 IST</b>	<b><i>Challenges, Opportunities, Global Regulations, Technology and Possible solutions for India on Food Safety of Recycled Plastics for Sustainable Food Packaging and how it can Reduce Food Waste</i></b>	<ol style="list-style-type: none"> <li>1. <b>Dr Tanweer Alam</b>- Director, IIP and FSSAI Panel Member</li> <li>2. <b>Mr Harish R K</b> Asst. Director (Tech.) Science &amp; Standards Division FSSAI</li> <li>3. <b>Mr Chris Peloso</b></li> </ol>

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		PSL & AFAP Product Safety Director, Amcor, Victoria, Australia  <b>4. Prof. Dr. Cristina Nerín</b>  <b>5. Mr Peter Skelton</b> MCIWM, Strategic Partnerships Manager WRAP and  <b>6. Ms Megg Humphrey</b> Sector Specialist, WRAP
1800 – 1810 IST	Question / Answer	Facilitated by Session Moderator
1810 – 1815 IST	Vote of Thanks	CII
1815 IST	Feedback from participants	

**1500 – 1815 hrs: 30 July 2021**

**Developing Capacity on Robust Rapid Testing and Deployment to Support Real time Action and surveillance efforts**

Wide application of rapid food testing kits and devices for food testing would be a game changer for India in the coming years and would help build greater public confidence in food available in the marketplace.”

In 2019, FSSAI had finalized the regulations for approval of rapid testing devices, kits and methods. Only two out of 30 rapid kits/ devices are indigenously manufactured, rest are all imported despite the fact that many research and scientific institutions are engaged in development of such kits and devices. FSSAI has initiated steps so that indigenously developed kits/devices are validated and approved under the FSSAI regulations on a fast track basis. Eight test kits have been approved under this program and a few others have undergone modifications. These kits, approved by the AOAC RI, have all been granted Performance Tested Methods status and are all licensed to use the AOAC RI Performance Tested Methods certification mark.

The aim is to provide these to field officers through the State governments for regulatory purposes and also sensitise Food industry to use them for internal quality assurance and quality control purposes.

The other goal for rapid methods in the area of microbiological hazards is to provide answers in “real time” in the HACCP program to close the gaps on instantaneous online monitoring to ensure safety and wholesomeness of food, however the technology at this time has not reached the point where real-time monitoring and control is possible.

**1500 - 1505 IST**

Welcome Address

CII

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<b>1505 – 1515 IST</b>	Context Setting by Session Moderator	<b>Dr Lalitha Gowda,</b> Chief Scientist (Rtd), CSIR-CFTRI; Member-Scientific Committee and Chair- Scientific Panel on GM-Foods, FSSAI, India
<b>1515 - 1530 IST</b>	USA Experience on Rapid Test Kits for Chemical Contaminants	<b>Dr Palmer A. Orlandi, Jr., Ph.D.,</b> Deputy Executive Director and Chief Science Officer AOAC INTERNATIONAL
<b>1530 - 1545 IST</b>	Validation of Alternative (Rapid) Methods	<b>Ms DeAnn Benesh</b> Regulatory Affairs 3M Food Safety Department
1545 – 1600 IST	Rapid Test Kits in Dairy	<b>Dr Erik J.M. Konings PhD</b> Program manager at Nestlé Institute of Food Safety and Analytical Sciences, Lausanne, Switzerland  <b>Mr Flurin Wieland (MSc)</b> Alternative Method specialist, Nestlé Research, Konolfingen, Switzerland
<b>1600 - 1620 IST</b>	<i>Question / Answer</i>	
<b>1620 - 1630 IST</b>	Break	

**1630 - 1805 IST: Panel Discussion with Stakeholders**

<b>1630 – 1640 IST</b>	<b>Session Moderator</b>	<b>Dr Kaushik Banerjee</b> Principal Scientist-National Research Centre for Grapes, Chairman India Section AOAC Intl
<b>1640 – 1740 IST</b>	Challenges, Opportunities and Way Forward on Rapid Testing Kits for Food Items	<ol style="list-style-type: none"> <li>1. <b>Dr Lalitha Gowda</b></li> <li>2. <b>Mr Biswajit Dutta</b>, Chief Quality Assurance Officer, Mother Dairy Fruit &amp; Vegetable Pvt. Ltd</li> <li>3. <b>Mr Yoganand Vadari</b>, MS Assistant General Manager, Laboratories &amp; Quality Assurance Srinivasa Farms Private Limited</li> </ol>

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		<p>4. <b>Mr. Sanjeev Bisht</b> Business Manager - Spices and Aqua. ITC Ltd</p> <p>5. <b>Dr Anthony J. Lupo</b> President-Elect, AOAC Intl &amp; Senior Director of Technical Service, Neogen, Michigan, USA</p> <p>6. <b>Ms Richa Sharma</b>, Director Marketing &amp; Business Development Chr. Hansen (India) Pvt. Ltd.</p>
<b>1740– 1755 IST</b>	Question / Answer	<b>Dr Kaushik Banerjee</b>
<b>1755– 1805 IST</b>	Vote of Thanks	CII
<b>1805 – 1815 IST</b>	Feedback from participants	

**1500 – 1715 hrs: 9<sup>th</sup> August 2021**  
**Strengthening Science Based Standards and Addressing Scientific Gaps in Setting MRLs for Pesticides for Protection of Public Health'**

The world of pesticide regulations is global and is constantly updated. An important way of addressing pesticide residue issues is to stay informed . A knowledge of potential issues ahead of time and testing for residues would help manage pesticide risks. MRLs are established based on statistical analysis on the range of pesticide residues found on the specific crop from the field trials, after all applicable harvest activities.

While MRLs need to be at a safe level it is important to ensure that Good Agricultural Practices is followed in the application of the pesticide. Otherwise it would risk harm to the environment, workers and those who live nearby the spray site. Hence, Pest Control Agencies, Farm advisors, or Grower groups who generally have first hand knowledge of the crop, growing methods, and the market are important stakeholders. In this regards, Online databases are being maintained and updated by several countries to facilitate science based standard setting.

Efforts to augment capacity for local data generation that will further support evidence and science based standards setting and address Scientific Gaps in setting up of MRLs for

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Pesticides to enable setting up of practical and achievable limits in the Indian Context is the need of the hour.

The Summit session will bring together global perspectives on these key issues like System of setting MRLs, Agri Residue Data for fixing MRLs in different countries, Toxicology and Exposure through a panel discussion of global best practices and identify important and practical recommendations as relevant to India

<b>1500 – 1505 IST</b>	<b>Welcome Address</b>	CII
<b>1505 - 1515 IST</b>	<b>Context Session by Session Moderator</b>	<b>Dr D. Kanungo</b> Former Additional Director, General Directorate, General of Health Services, Ministry of Health and Family Welfare & Chairman, Scientific Panel on Food Additives, FSSAI
<b>1515 - 1530 IST</b>	<b>Special Address</b> Pesticide Residues, Risk Assessment & MRL Fixation	<b>Dr KK Sharma</b> Network Coordinator All India Network Project on Pesticide Residues Indian Agricultural Research Institute, New Delhi
<b>1530 – 1545 IST</b>	<b>Special Address</b> Nuances in Risk Assessment of Pesticides in Raw Agriculture Commodities.	<b>Dr T P Rajendran</b> Chair of FSSAI Scientific Panel on Pesticides Residue

**1545– 1715 IST: Panel Discussion with Experts and Stakeholders**

	<b>Session Moderator</b>	<b>Dr D Kanungo</b>
<b>1545 – 1645 IST</b>	<b>Panel Discussion</b>	<ol style="list-style-type: none"> <li>1. <b>Dr Ms Young Zhen Yang-</b> Jt Secy , Codex JMPR Secretariat Rome</li> <li>2. <b>Prof Alan R Boobis</b> Prof. of Toxicology Imperial College London</li> <li>3. <b>Dr Sheelendra Pratap Singh, FSSAI Panel Member (IITR)</b></li> </ol>

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		<p>4. <b>Dr. Gabriele Ludwig</b> Director Sustainability &amp; Environmental Affairs, Almond Board of California</p> <p>5. <b>Prof. Eloisa Dutra Caldas</b> University of Brasilia, Brazil</p> <p>6. <b>Crop Life*</b></p>
<b>1645 – 1700 IST</b>	<b>Question Answer</b>	
<b>1700 – 1705 IST</b>	<b>Vote of Thanks</b>	
<b>1705 – 1715 IST</b>	<b>Feedback from participants</b>	

\*Awaiting Confirmation

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