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Asia-Pacific Agri-Food Innovation Summit: Building Agility and Resilience in Asia's Food System

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Exploring the facets of agri-tech, indoor agtech, aquaculture and food-tech

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TheÂ **Asia-Pacific Agri-Food Innovation Summit**, a premier platform for innovation discovery, connecting breakthrough start-ups and their technologies to the entire agri-food value chain is inaugurated to be held from November 4-6 at **Marina Bay Sands** Expo Convention center in Singapore. The pivotal event for advancing the region's agri-food ecosystem is

organized in partnership with **Temasek** and the **Singapore Food Agency**, as part of the **Singapore International Agri-Food Week (SIAW**). This year's summit is witnessing over 800 senior decision-makers, including leaders from agribusinesses, food and ingredient brands, governments, financial institutions, philanthropic organizations, and innovative agri-food startups from across the Asia-Pacific region and beyond.

The summit provides a unique platform for fostering strategic partnerships across the agri-food value chain, bringing together entrepreneurs, investors, brands, producers, and growers. Focused on addressing climate resilience and nutrition security in the Asia-Pacific region, it offers opportunities to engage with emerging innovators, leading accelerators, and forward-thinking investors. Participants can also network with over 800 senior executives and key decision-makers driving the future of agri-food systems.

The summit will leverage an experience with start-up pitches on the main stage, and is an ideal opportunity to meet trailblazing innovators at their booths at the vibrant exhibition. The forum is set to explore fresh perspectives and breakthrough technologies from accelerator cohorts supported by the Gates Foundation, Mars Petcare x Big Idea Ventures, and Agrifood Futures.

Participants will get to witness presentations from over 25 global start-ups showcasing **next-generation solutions in AI-powered crop monitoring, smart urban infrastructure, precision fermentation, nanotech-enhanced seed germination, and biodiversity intelligence** for nature-positive business. The global showcase highlighting transformative ideas and cutting-edge technologies

Transforming Asia's Food System

The summitâ??s theme, **â??Building Agility and Resilience in Asiaâ??s Food System,â?•** underscores the critical need for innovation in addressing the challenges facing the regionâ??s food supply chains. With a packed program of keynotes, panel discussions, breakout sessions, and networking opportunities, the event serving as a platform for knowledge-sharing and collaboration. It is designed to foster strategic partnerships and drive technological advancements in agri-tech, aquaculture, indoor agtech, and food-tech.

Key Highlights of the Summit

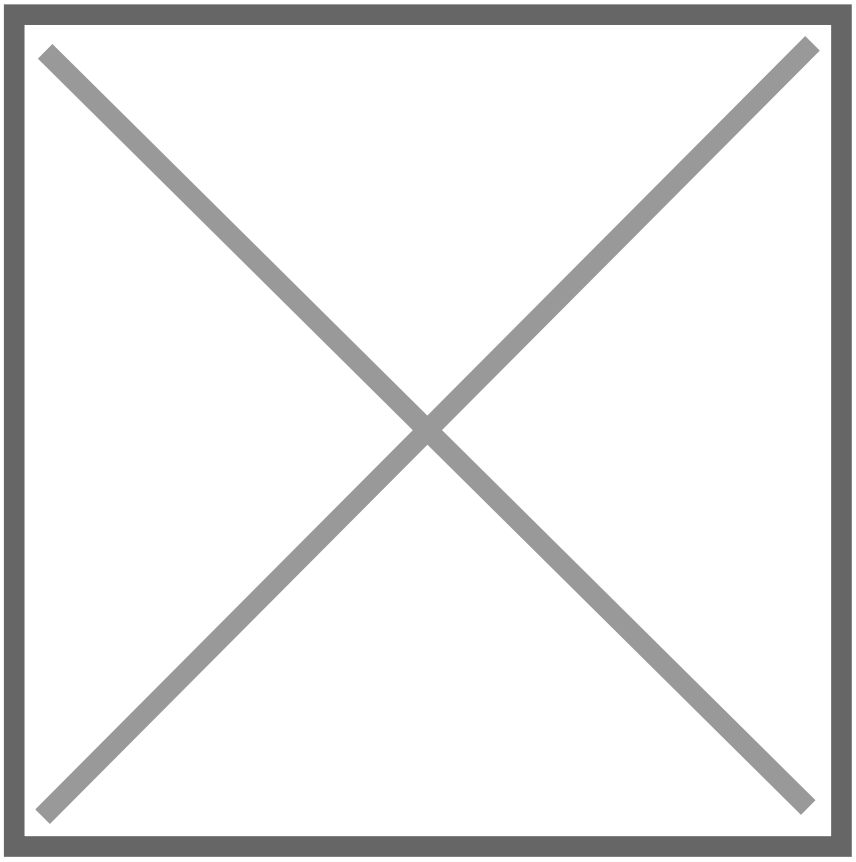
The summit featuring a **200-strong speaking faculty**, comprising industry leaders, policymakers, and technology pioneers. Discussions are focused on the latest technologies, policies, financial models, and partnerships that are transforming farming, food manufacturing, and retail across Asia-Pacific.

- **Biotechnology and Sustainable Inputs**: A significant focus is on biotechnology, with sessions exploring innovations in biologicals and sustainable agricultural inputs. Crop-specific supply chains, such as those for rice, oil palm, and fresh produce, are being analyzed to accelerate upstream innovation and create downstream impacts.
- **Resilient Production Systems**: Regional agribusinesses and technology giants will share insights on how fintech, regenerative practices, robotics, and precision agriculture contribute to building resilient production systems. These technologies are particularly crucial for smallholder farmers, who form the backbone of many Asian agricultural economies.
- **Food-Tech Innovations**: As consumer demand for health-focused products grows, the reformulation of mainstream food and beverages will take center stage. Topics such as AI-powered peptide discovery, precision fermentation, and waste valorization will highlight the role of novel, high-value ingredients in food system transformation.

A major draw of the summit is its emphasis on networking and business matching. Attendees are having access to a curated audience of senior agri-food decision-makers, enabling meaningful connections and potential collaborations. The eventâ??s AI-driven business matching platform will facilitate personalized 1-1 meetings, ensuring participants can explore partnerships and investment opportunities efficiently.

Interactive Features

In addition to plenaries and panel discussions, the summit will feature **start-up pitches**, **live tastings**, and **regional product showcases**. These interactive elements provide a platform for emerging agri-food innovators to demonstrate their solutions and connect with potential investors and partners. Breakout sessions will allow for in-depth discussions on specific topics, fostering deeper engagement among participants.



The unique heritage and premium quality of Ceylon Tea were showcased at a promotional event during the Asia-Pacific Agri-Food Innovation Summit (APAIS) 2025. A tea delegation from Sri Lanka was supported by the **Sri Lanka Tea Board** for the summit. Ms. Grace Fu, Minister for Sustainability and the Environment of Singapore, inaugurated the summit. High Commissioner of Sri Lanka to Singapore, H.E. Senarath Dissanayake, and Minister Counsellor (Commercial), Ms. Bhagya Abeykoon, attended the inauguration ceremony. This regional platform provided Sri Lanka with an opportunity to enhance its visibility in the Asia-Pacific agri-food value chain and further strengthen global recognition of Ceylon Tea as one of the worldâ??s finest and most authentic teas.

The summit offers a dynamic platform for agri-food innovation, featuring curated breakout sessions designed to foster start-up engagement and technology discovery. On **November 4,** Mars Petcare and Big Idea Ventures will host an exclusive pitching session focused on pet food innovation, spotlighting emerging solutions in this rapidly growing sector. The **following day**, the Gates Foundation will present a showcase of visionary start-ups through rapid-fire pitches, providing attendees with a front-row view of the next wave of transformative agri-food technologies.

Strategic Importance of the Summit

Meet the Accelerator Cohorts

Gates Foundation

- Niruthi (India) provides AI-driven climate risk mitigation and crop forecasting solutions using satellite and weather data.
- Rainbow Crops (Belgium) uses AI and genome editing to engineer resilient crops that address climate and food security challenges.
- Zelp (UK) develops wearable devices to reduce livestock methane emissions and improve animal welfare through real-time monitoring.
- Loopworm (India) harnesses insects to create sustainable proteins, biocosmetics, and recombinant biomolecules.
- Stellapps (India) digitises the entire dairy supply chain to improve productivity, traceability, and financial inclusion for farmers.
- Cornext (India) harnesses silage baling technology to provide year-round nutritious fodder and empower rural fodder entrepreneurs.
- Cisgen (India) develops novel bio-therapeutic solutions against the infectiousÂ diseases of pets and livestock.

- Krimanshi (India) pioneers sustainable livestock nutrition using smart feed additives to boost yield and cut emissions.
- Eratani (Indonesia) provides digital solutions to help smallholder farmers increase yields and manage operations more efficiently.
- Qarbotech (Malaysia) uses nanotechnology to accelerate photosynthesis and improve crop growth for sustainable agriculture.

Mars Petcare x Big Idea Ventures

- ALT-PRO Advantage (Canada) creates hypoallergenic, sustainable dog food using alternative proteins promote pet wellness and reduce environmental impact.
- Seaqure Labs (Sweden) develops circular mycoprotein-based feed ingredients from fungi to replace fishmeal and soy in aquaculture and animal nutrition.
- Terramatter (India) harnesses carbon to enable a circular carbon economy, creating resilient systems to overcome climate change impacts.

Agrifood Futures

- PerFat (Finland) creates healthier and sustainable solid fat alternatives using advanced material physics and oleogel technology.
- PFx Biotech (Portugal) produces high-performance bioactive proteins using precision fermentation and proprietary strain technology.

Addressing Regional and Global Challenges

The summitâ??s agenda reflects the urgency of addressing food security, sustainability, and health in the Asia-Pacific region. With the global population growing and climate change impacting agricultural productivity, the need for innovative solutions has never been greater. Discussions are exploring how technologies like robotics and AI can enhance productivity while promoting sustainability.

Health and wellness are also key themes, with a focus on **gut health, longevity, and tailored functionality** in food products. Food-tech leaders will showcase advancements in precision nutrition and the development of specialty ingredients that cater to evolving consumer demands.

The Asia-Pacific Agri-Food Innovation Summit offered unparalleled opportunities for:

- **Business Intelligence**: Gain insights into the latest trends, technologies, and policies shaping the agri-food industry.
- **Networking**: Connect with a curated audience of senior decision-makers, including agribusiness leaders, food brands, and government representatives.
- **Collaboration**: Explore partnerships and investment opportunities with startups and established players in the agri-food ecosystem.
- **Innovation Showcase**: Discover cutting-edge solutions and products that are driving the transformation of Asiaâ??s food system.

Revolutionary Innovations at the Exhibition:

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The Featured Start-Ups Showcasing their Technologies in Singapore:

- Ubiquity Sprouting Corporation (Taiwan) enhances seed sprouting through advanced agricultural research.
- Growz (Uzbekistan) is an AI-powered platform helping small farmers boost productivity and market access.
- Keshet Agritech (Singapore) creates smart urban infrastructure for climate-resilient, tech-integrated cities.
- Living Roots (Thailand) scales regen erative farming with biologicals and precision agronomy.
- Levur (Australia) ferments nature-identical oils to replace unsustainable plant and animal sources.
- Nanosoils Bio (Australia) uses nanotech to improve seed germination under climate stress.
- NatureHelm (Australia) turns ecological data into insights for managing nature-related business risks.
- Green Carbon Inc (Japan) creates nature-based carbon credits to help reduce greenhouse gas emissions.

- Zentide (Singapore) produces seaweed-based biostimulants and biofertilizers to support sustainable farming and lower environmental impact.
- Towing (Japan) creates high-performance biochar for rapid soil regeneration and sustainable agriculture, with applications extending to space farming.
- Fermelanta (Japan) ferments rare plant compounds for sustainable health and cosmetic products.
- Map My Crop (India) uses AI and satellite data for real-time crop monitoring and yield optimization.

The **Asia-Pacific Agri-Food Innovation Summit** is a must-attend event for anyone involved in the agri-food sector. By bringing together key stakeholders to share knowledge, showcase innovations, and build partnerships, the summit plays a crucial role in shaping the future of food in Asia. Whether you are a startup looking to scale, an investor seeking opportunities, or a policymaker aiming to drive change, this summit provides the platform to achieve your goals. Join the agri-food community at Marina Bay Sands to be part of the conversation driving resilience and innovation in Asiaâ??s food system.