



Tuesday June 27 2023 - Rabin Congress Center - Tel Aviv

9:30 to 12:00 - Opening Session

Food Security, National Security, Society Nutrition Resilience

National Food Security Strategy. Countries Nutritional Independence. Global Agri-Food-Tech Policy.

Moderator: Prof. Eyal Shimoni - Tech & FoodTech Expert

Keynote Speakers:

Mrs. Miriam Ueberall, Senior R&D Executive, Former VP for R&D - International Kraft Heinz and ex-Unilever

Restating the Current Food System to Advance Food Security

Prof. Yosi Shacham-Diamand, Bio Convergence, and Food Security

Head of the Scojen Institute for Synthetic Biology at Reichmann University

Head of Bernard L. Schwartz Chair for Nano Scale Information Technologies, T-A University

Chair Professor at the Thapar Institute for Engineering and Technology, Patiala, India

Speakers:

Mr. Dror Bin, CEO, Israel Innovation Authority

Prof. Roni Strier, Chair of the Israel National Council of Food Security

Chair of the National Council of Food Security. Israeli Ministry of Welfare and Social Security

and the University of Haifa Interdisciplinary Center for the Study of Poverty and Social Exclusion.

Towards a national outline for food security: key principles

Nir Goldstein, CEO, GFI Israel - Food Securitech

National strategy and the alternative protein promise

Nadav Berger, Yoni Glickman, Founding and General Partners, PeakBridge

FoodTech 2.0 An Industry with some Growing Pains

12:00 to 13:00 - Visit the Agri Food Tech Innovation Exhibition

Agri-Food-Tech - From Innovation To Action - Global Leadership & Growth Engines

Market Trends. Investments Forecast. Business Opportunities. Agri-Food-Tech Global Ecosystem Leaders.

Moderator: Mr. Gil Horsky, Founding Partner, FLORA Ventures

Former Senior Director Venture Investments at Mondelēz International

Keynote Speaker:

Mr. Victor E. Friedberg, Global Leader - Founder

New Epoch Capital / Food Shot Global / Seed 2 Growth Ventures (S2G)

The Coming Era of Nutritional Security

Panel: What is hot (and not) in the world of Agri-Food-Tech investments

Moderator: Gil Horsky, FLORA Ventures

Participants:

- Ohad Zuckerman, Copia Ag & Foods
- Nitza Kardish, Trendlines
- Nadav Berger, PeakBridge
- Shira Eting, Vintage

Panel: Low-tech & High-tech - How established industry players are joining the new Agri-Food-Tech revolution

Moderator: Gil Horsky, FLORA Ventures

Participants:

- Oran Scott, Granot
- Natan Feldman, Haifa Group
- Ayelet Carasso, Yarzin-Sela
- Pnina Sverdlov, Chief R&D and Projects Officer - Tnuva Group

Panel: How do we build the next commercially viable AgriFood unicorns

Moderator: Jonathan Berger, The Kitchen / Strauss

Participants:

- Dr. Inbar Maymon Pomeranchik, Co-Founder and CEO, AgChimedes Group
- Amit Pilowsky, Key-1
- Eshchar Ben-Shitrit, Redefine Meat
- Dr. Kfir Luzzatto, President of The Luzzato Group

15:30 to 17:00 - Closing Session

MENA Region - The Next Frontier for AgriFood Innovation - New "Sweet Spot" of AgriFood Security.

Moderator: Mrs. Shirley Shahar, Co-Founder & Chief Operations Officer, Dana Global, Abu Dhabi

Participants:

Dr. Farid Lekjaa, President of IAV Agadir, Institut Agronomique et Veterinaire - Morocco

Mrs. Ifat Peled Dinstag, Co-founder & CEO of LiVA Bio Protection Technologies Ltd. - Israel

Mrs. Dganit Vered, Investor, Board Member, Chief Executive Officer at Smart Agro

Mrs. Michal Ansky, Chef and Co-Founder of Seeds of Change, the Mena Food Security Educational Program for children

The Incities Project - Presentation (incitis-food.eu)

Prof. Olufemi Julius Olapade, Njala University, Sierra Leone

Dr. Emmanuel O. Benjamin, University of the Bundeswehr Munich, Germany

17:00 - Opening Ceremony of the Global Food Security Summit

Opening remarks:

Mr. Tomer Avnon, President of Avnon Group

Mr. Nir Barkat, Minister of Economy and Industry (TBC)

**9:30 to 11:30 - Morning Session****Food Institutes - The Engine Behind the Global Food-Tech Revolution**

Hosted by the Israeli National Food Institute.

General: A professional meeting and "round table" discussions of the world leading food institutes teams.**Opening Remarks:** David Zigdon CEO, MIGAL Galilee Research Institute**The Israel National Food Institutes - Vision and Goals****Mr. Guy Tovy**, ProSolv Technologies, CEO (designate) Israeli National Food Institute**Fraunhofer Center for Secure Intelligent Systems - LZSiS****Liran Sahar**, Food-Security Liaison and Representative of Fraunhofer Agriculture and Food Industry Alliance in Israel**Special Guest Speaker:****Dr. B William R. Aimutis Ph.D.**

Executive Director, NC Food Innovation Lab

Panel: Food Institutes and The Future of Food Security**Moderator:****Mr. Guy Tovy**, ProSolv Technologies, CEO (designate) Israeli National Food Institute**Dr. Ofir Benjamin**, Senior Lecturer and Researcher - Food Science Department Tel Hai College
CTO (designate) Israeli National Food Institute**Participants:****Dr. B William R. Aimutis Ph.D.**, Executive Director, NC Food Innovation Lab**Prof. Robin May**, Chief Scientific Adviser Food Standards Agency (FSA)**Prof. Dr. habil. Carsten Lorz**, Professor in Soil Science in Forestry at Hochschule Weihenstephan-Triesdorf, University of Applied Sciences, Germany**Professor William Chen**, The Michael Fam Chair Professor in Food Science and Technology Director, Singapore Agrifood Innovation Lab (SAIL)

Scientific Director, Singapore Future Ready Food Safety Hub (FRESH)

Atty. Jerry C. Serapion, Business Development Division, Philippine Rice Research Institute**Mr. Asger Smidt-Jensen**, Research scientist, DTI Food Tech Danish Technological Institute**11:30 to 12:30 - Technological Synergy as an Operational Concept for the Future Food System**

Hosted by: Fresh Start - Global FoodTech Incubator

Moderator:**Dr. Tammy Meiron Phd**, Fresh Start Food Tech CTO**Prof. Nir Ohad**, Director, Manna Center Program for Food Safety & Security Faculty of Life Sciences - Tel Aviv University**Speakers:**

- **Mr. Fabian Trumper**, CEO Bountica
Reducing Food Loss and Extending Shelf Life of Perishable Foods Using ProServatives
- **Prof. Yossi Yovel**, School of Zoology Tel Aviv University
- **Dr. Anna Minz-Dub**, The Institute for Cereal Crops Research (ICCR) Tel Aviv University
- **Dr. Dror Shalitin**, Founder & CEO PlantArcBio
Drought resistant crops for enhancing food security and adapting to climate change – using DIP™

13:00 Parallel Sessions**Food Security & Sustainability Under Changing Climate Conditions****Innovation in Agriculture and Sustainability**

Hosted by MIGAL - Galilee Research Institute.

The impact of climate change on agriculture**Moderator: Prof. Dan Levanon****Opening Remarks:****Mr. Avi Dichter**, Minister of Agriculture (Tbc)**Keynote Speakers:****Dr. Michal Levy**, The Chief Scientist of the Ministry of Agriculture and Rural Development**Prof. Yoram Kapulnik**, Director, US-Israel Binational Agricultural Research and Development Fund (BARD)**Panel: Food security and sustainability under climate change**

Presented by MIGAL- Galilee Research Institute, Northern Agriculture R&D Investigators.

Moderator: Prof. Itamar Glazer**Participants:**

- **Dr Lior Rubinovich**, Development of Quinoa (Chenopodium Quinoa) as a new multi-purpose crop in Israel.
- **Dr. Omer Crane**, Development of apple orchards ready for robotic management.
- **Dr. Michal Akerman-Lavert**, Breeding and acclimating new sweet-cherry varieties in Israel, adapted to changing climate conditions.
- **Dr. Aviv Asher**, "The dark side of the light"
- **Dr. Adam Abramson**, Decision support for data-driven farm profitability optimization.

Panel: Desert Agriculture

Presented by Ramat Negev, Central & Northern Arava-Tamar, R&D Investigators

Moderator: Prof. Jacob Vaya**Participants:**

- **Dr. Tom Groneveld**, How much is too much? The effect of irrigation and fruit thinning on date palm yield and quality.
- **Dr. Maayan Kitron**, Challenges of growing cut flowers in extreme desert environment.
- **Dr. Yael Barlavan**, Bacterial isolates from desert plants showing a better anti-fungal activity for agriculture.
- **Dr. Moran Segoli**, Desert Agriculture: from theory to practice.
- **Dr. Amnon Bustan**, Quality wines in the Negev: challenges and solutions.

13:00 Rethinking Proteins**Exploring the Viability and Potential of Alternative Proteins for Sustainable Food Security**

Challenges in the transition from development to production.

Hosted and led by **The Israeli Innovation Authority****Ronit Eshel**, Alternative proteins, leading technology in FoodTech**Aviv Oren GFI**, Alternative proteins, opportunities, growth engines, business & investment forecast**Panel: R&D Infrastructure in alternative protein****Moderator: Dr. Noa Matarasso**, Senior Director at Infrastructure Division. **Israel Innovation Authority****Participants:**

- **Dr. Ofir Benjamin**, Senior Lecturer and Researcher at the Food Science Department Tel Hai College. **National Food Institute**
- **Assoc. Prof. Avi Shpigelman**, Head Laboratory for Novel Food and Bioprocessing and SPRC Deputy Director. **Technion Sustainable Protein Research Center (SPRC)**
- **Dr. Or Rotem**, CTO, **Alagene**, The Israeli SynBio Biofoundry
- **Mr. Nisan Zeevi**, VP Margalit Startup City Galil & Impact Director at JVP. **Margalit Startup City Galil - The International FoodTech Center**
- **Mr. Ariel Blumovich**, CEO, YDLabs

Guest Speakers:**Dr. Serdar Uysal**, Founder & CEO, LIVZYM Biotechnologies Inc., **Turkey**.

Exploring the Viability and Potential of Alternative Proteins for Sustainable Food Security.

Transition of FoodTech companies into large scale manufacturing.**Dr. Ziva Hamama**, Head of Risk Management Department, The National Food Service, Ministry of Health. **Novel Food Regulatory Framework, Alternative proteins****Panel: Path to scale up of alternative protein manufacturing****Moderator: Ronit Eshel**, Senior Director, Head of Advanced Manufacturing, FoodTech Sector lead. **Israel Innovation Authority****Participants:**

- **Ms. Noga Sela Shalev**, CEO, Fresh Start FoodTech
- **Dr. Dorit Rozner**, CTO, the Kitchen Hub
- **Ms. Yifat Inzbar**, Head of Foodtech, Ministry of Economy
- **Mr. Guy Nevo Michrowski**, CEO, Profuze
- **Mr. Yonatan Golan**, CEO, Brevel
- **Mr. Shay Cohen**, Chief Innovation Officer & Managing Director, Tnuva Ventures

16:00 The Food Sec&Tech Conference Innovation Arena**Meet & Pitch Event at Tel Hai College - Closing Celebration of the Conference 2nd Day****Program:**

- **Dr. Erel Margalit**, Founder & Chairman JVP & Margalit Startup City
"TED lecture" on FoodTech. **Inspiration and Vision in a Time of Global Crisis. The Galilee - The Silicon Valley of the Agri-Food-Tech industry in Israel.**
- Launch of the National Israeli Food Institute.
- The Innovation Arena - A marathon introducing startup companies and presentations of breakthrough technologies in Food Security.
- Beyachad Fund - Promising Startup Competition - presentations of the 5 finalists.

16:30 Food Sec&Tech Promising Startup Winner Announcement & Reward Grant.

Sponsored by Beyachad - The Stella and Yoel Carasso Family Foundation.

A Happy Hour of drinks, refreshments, and atmosphere.

The event is intended for conference participants, delegations, invitees, and students.

**9:30 to 10:00 - Morning Session****The 10th Food Tech Conference of Tel-Hai Academic College**

Hosted by Food Science Department Tel Hai College

Food Security and Sustainability as a Catalyst for Innovation in Food Tech and AgriTech.
The leading annual academic conference in Israel.
Disclosure of groundbreaking research, unique solutions and initial developments

Moderator:

Dr. Ofir Benjamin, Senior Lecturer and Researcher
 Food Science department Tel Hai College / Israel National Food Institute CTO

10:00 to 10:15 - Opening Remarks**10:15 to 10:45 - Opening Lecture****Speaker:**

Dr. Liron Amdur PhD, Planning-agriculture-economics-environment
 Agriculture and food system consultant, research fellow at Yesodot Policy Research Institute

10:45 to 12:00 Panel Discussion**Panel: Food institutes scientific approach to the Food Security****Guest Speaker:**

Prof. William Chen, Director of Food Science and Technology, Nanyang University, Singapore
 Technology Innovations for Food Circular Economy and Efficient Food System

Speakers:

Mrs. Anne Louise Dannesboe Nielsen, Director Food and Production, DTI
"Plant based and vegan, status in Denmark and Nordic countries"
Dr. Shilpa Garg, Senior researcher/associate professor at DTU Biosustain.
Towards sustainable food production: high-resolution genomic and computational technologies
Prof. Yoav D. Livney, Biotechnology and Food Engineering Sustainable Protein Research Center Director
"The Technion Sustainable Protein Research Center"

12:00 to 14:00 - Students Groups Presentations - Product developments**14:00 to 15:15 - Panel Discussion****Panel: Innovation in Food Security research.**

Moderator: Dr. Tammy Meiron Phd, Fresh Start Food Tech CTO

Speakers:

Proff. Ram Reifen, Hebrew University, Jerusalem
Can plant proteins help overcome food insecurity?
Gilad Gome, Phd student (HUJI) , Biotech Entrepreneurship Lecturer, Reichman University. Cultured meat, Biotproduction, Stem cells, Bioengineering
Macrofluidics - Laser Printed Fluidics for Bioprocess Automation
Dr. Liora Shaltiel, Galilee Research Institute (MIGAL)
The black soldier fly, a multi-directional contribution to agriculture
 from pest reduction to fertilization through waste deposing and feed proteins production
Dr. Iftach Nachman, Researcher Tel Aviv University
An embryonic organoid approach to cultivated meat
Dr. Sarel Hübner, Head of Plant Evolutionary Genomics lab, the scientific director of the Genomics and Biodata Center at the Galilee Research Institute (MIGAL), and the head of the BioData (computational biology) program at Tel-Hai College.
Take a walk on the wild side: harnessing the power of evolution for food security

15:15 to 16:00 - Panel Discussion**Panel: Student communities from the Israeli Academy speak FOOD SECURITY.****10:00 to 13:00 - Parallel Sessions****The Food Industry and Food Security**

Hosted and led by: The Ministry of Economy & The Food Industries Association

The food industry's role in strengthening national food and nutritional independence.
Sustainable food consumption. The food industry's global challenges.

Special Guest Speaker:

Food Safety and Food waste reduction by Deep Learning AI based QA Vision Control and Process improvements.
Mr. Malte Schlüter, Global Director F&B / CPG / FMCG / Life Science.
 Mitsubishi Electric FA Global Industry Solutions Division

Part 1: The Challenges

Mr. Dodi Manevich, Chairman of the Food Industries Association – Food availability as a strategic existential threat to the State of Israel and the way to neutralize the threat
Ms. Galit Cohen, Senior researcher at INSS - National Security and Food Security, disruptions in supply chains
Mr. Guy Ben Zvi, Chief Scientist and Owner, Omega 3 Galil - Modern food safety not only quantity but also quality

Part 2: Solutions**Moderators:**

Ms. Yifat Inbar, Head of the Food Industry and FoodTech Division, Industries Administration, Ministry of Economy and Industry
Mr. Aviv Hatzbani, Director of the Food Industries Association

Participants:

Mr. Oz Katz, Director of Industries Administration, Ministry of Economy and Industry
Ms. Gofna Liss-Rubin, Open Innovation Manager Osem-Nestle, Israel
The role of industry in food security, especially in the context of alternative protein
Mr. Dov Basel, Environmental Affairs Corporate Manager, Tnuva
Achievements and challenges in Environment and Sustainability fields in a leading Dairy & Food company
Mr. Lior Shalu, CEO, Algecor Technologies Ltd
Mr. Zemer Sat, CTO and Co-Founder Tutti Puffs SuperNatural snacks Ltd

Closing guest lecture:

Mr. Nadav Berger, **Mr. Yoni Glickman**, Founding and General Partners, PeakBridge
The "Tesla moment" of the FoodTech industry

13:00 to 16:00 - Parallel Sessions**Community and Public Health. Nutrition Security and sustainability transitions of food systems**

Hosted by: The Nutrition Division - Ministry of Health.

The Israeli Forum for Sustainable Nutrition & The National Council for Food Security

Can technology transform the broken food system? Key issues in sustainable food systems

Moderated by:

The Israeli Forum for Sustainable Nutrition Session

- **Can the Alternative protein sector be the solution to animal farming?** Alon Shepon, the Department of Environmental studies at the Porter school of the Environment and Earth Sciences, Tel Aviv University and IFSN
- **Has novelty made us healthier? The case of ultra-processed food and health.** Sivan ben Avraham, Ben Gurion University of the Negev and IFSN
- **The healthy and sustainable food basket as the compass to food systems transformation.** Dorit Adler, IFSN and the Israeli President's Climate Forum
- **The role of Agtech in promoting sustainable food systems.** Opher Mendelsohn IFSN and TAU
- **Just solutions for a hungry planet: decentralized culturally-based food systems as a path to sustainability.** Yossi Wolfson IFSN and Israeli President's Climate Forum
- **Closing remarks.** Sigal Tepper, Tel-Hai College and IFSN

Special Guest Speaker

Dr. Judith van der Horst-Graat, Innovation Lead Food & Health, Food valley NL
 Speeding up the food transition: how to turn thoughts and ambitions into practice

Ministry of Health and Food Security - Aspects of Public Health

Moderated by: The Nutrition Division, Ministry of Health

Participants:

- **Prof. Ronit Endevelt**, M.Sc, Ph.D., Director of Nutrition Division, Ministry of Health, Haifa University School of Public Health
- **Prof. Aron M. Troen**, Head of MSc Program in Biochemistry Food and Nutrition Science, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem
- **Prof. Emeritus Roni Strier**, Chair of the Israel National Council of Food Security, The School of Social Work at the University of Haifa
- **Dr. Moran Blaychfeld Magnazi**, Deputy Director, Nutrition Division, Israel Ministry of Health
- **Dr. Yael Kachel**, Head of Research, Strategy Division, Ministry of Agriculture

16:00 - Closing Session

Representatives of student's FoodTech communities from Reichman University, The Technion, Ben Gurion University, Tel Aviv University, the Hebrew University's Faculty of Agriculture and Tel Hai College. In the panel, the representatives as the younger generation that will soon enter the market of food industry and FoodTech companies will talk about their activity in the FoodTech field in recent years and their personal point of view on Food Security and the solutions for the food of the future.