

VIRTUAL GLOBAL AGROVET RESEARCH CONFERENCE

GarcX 2k26

➤ **October 07-08**
Virtual Conference

All timings: Gulf Standard Time
(GST, UTC+4)

➤ OFFICIAL CONFERENCE THEME

One Health - One Planet: Synergizing Science and Technology for a Sustainable Future

2 DAYS

Strategic keynotes,
scientific sessions
and closing awards

8 SESSIONS

Agriculture, veterinary,
food, health and
technology tracks

VIRTUAL-FIRST

Networking lounge,
E-posters and
global access

IMPACT-LED

Agriculture, veterinary,
food, health and
technology tracks

PROGRAM POSITIONING

- This agenda is designed as a high-value global virtual experience, not a routine webinar schedule.
- Each session connects scientific knowledge with practical adoption, policy relevance, investment potential and One Health impact.
- Keynotes frame the direction; oral sessions showcase evidence, innovation and emerging research leaders.

➤ CONFERENCE ARCHITECTURE

A Two-Day Program Built Around One Health Impact

The agenda follows a clear progression: resilient production on Day 1,
then innovation, health, blue food systems and future collaboration on Day 2.

PILLAR 1

SUSTAINABLE FOOD SYSTEMS

Regenerative production,
climate resilience, soil
health, food security

PILLAR 2

SCIENCE & TECHNOLOGY

AI, digital agriculture,
biotechnology, robotics,
precision systems

PILLAR 3

ONE HEALTH INTEGRATION

Animal health, human
health, food safety,
nutrition, environment

PILLAR 4

POLICY, INVESTMENT & COLLABORATION

Food economies,
partnerships, research
translation, global networks

GARCX 2026 IMPACT THREAD

- >> Resilience lens: Every agriculture session should answer how research improves climate resilience and food security.
- >> One Health lens: Every health-related session should clarify the connection among humans, animals, food systems and the environment.
- >> Technology-to-impact lens: Digital and biotechnology sessions should move beyond tools and show measurable outcomes.
- >> Collaboration lens: Each day ends with clear pathways for joint research, policy dialogue, special issues and partnerships.

SESSION MAP

Core Scientific Tracks and Signature Outcomes

SESSION 1

SUSTAINABLE FARMING & FOOD SYSTEMS

Signature outcome: A practical roadmap for climate-resilient and regenerative production.

- >> Regenerative agriculture and soil health
- >> Climate-smart crop production
- >> Sustainable fertilizers and biofertilizers

SESSION 2

SCIENCE & TECHNOLOGY IN AGRICULTURE

Signature outcome: A bridge between digital innovation and field-level adoption.

- >> AI, IoT, robotics and automation
- >> Remote sensing and satellite agriculture
- >> Data-driven decisions for future farming

SESSION 3

INVESTMENT, POLICY & FOOD SECURITY

Signature outcome: Policy and investment pathways for resilient food systems.

- >> Food security models and supply chains
- >> Public-private partnerships
- >> Agricultural economics and rural development

SESSION 4

FUTURE AGRICULTURE & GLOBAL COLLABORATION

Signature outcome: A joined-up view of animal, human and environmental health.

- >> Veterinary innovations and diagnostics
- >> Livestock sustainability and welfare
- >> AMR prevention and disease surveillance

SESSION 5

PLANT SCIENCE & AGRICULTURAL INNOVATION

Signature outcome: Plant science solutions for productivity, biodiversity and planetary health.

- >> Plant genetics and genomics
- >> Crop stress management
- >> Sustainable crop protection

SESSION 6

AQUACULTURE & BLUE FOOD SYSTEMS

Signature outcome: Sustainable blue food strategies aligned with One Health.

- >> Fish health and aquatic animal nutrition
- >> Marine biotechnology
- >> Water quality and responsible aquaculture

SESSION 7

HUMAN HEALTH, FOOD SAFETY & NUTRITION

Signature outcome: Clear links between agriculture, safe food and public health.

- >> Food safety innovations
- >> Functional foods and nutrition science
- >> Food processing and consumer health

SESSION 8

FUTURE AGRICULTURE & GLOBAL COLLABORATION

Signature outcome: A forward-looking platform for research, startups and partnerships.

- >> Agriculture 2050 and future food systems
- >> Young researcher innovation showcase
- >> Global collaboration and awards

DAY 1 - WEDNESDAY, 7 OCTOBER 2026

Sustainable Agriculture, Future Food Systems and One Health Foundations

Day 1 establishes the global context for resilient production, smart agriculture, food security, animal health and One Health action.

Time (GST)	Program Segment	Strategic Focus	Key Points / Outcomes
08:45 - 09:00	Virtual Check-in & Platform Orientation Delegate arrival tech check networking lounge opens	Opening access and participant readiness Virtual Event Experience	Speaker and attendee platform readiness Opening of virtual exhibition, e-posters and help desk
09:00 - 09:15	Welcome Address Conference opening	Welcome to GARCX 2026 Global AgroVet Research Conference	Conference purpose, audience orientation and two-day roadmap Positioning GARCX as a global forum for agriculture, veterinary and allied sciences
09:15 - 09:30	Theme Framing Conference vision note	One Health - One Planet: Synergizing Science and Technology for a Sustainable Future Theme Anchor	Why food systems, animal health, environmental health and human health must be planned together Expected conference outputs: scientific exchange, collaborations and applied solutions
09:30 - 10:00	Inaugural Keynote Presentation Keynote	One Health, One Planet: Building Resilient Food Systems for a Sustainable Future Sustainable Food Systems One Health Innovation	Food security and sovereignty Sustainable farming strategies and climate adaptation Innovation-driven agriculture and global partnerships
10:00 - 10:30	Opening Plenary Presentation Plenary keynote	Synergizing Science and Technology for Smart & Sustainable Agriculture Science, Technology and Future Farming	Precision agriculture and digital transformation Future farming models powered by data, automation and responsible innovation Science-to-policy linkages for sustainable growth
10:30 - 10:45	Networking & Transition Break Virtual networking lounge	Meet speakers, delegates and research groups Connection Break	Poster gallery and exhibitor zone remain open Session transition and moderator briefing
10:45 - 11:15	Session 1 Keynote SESSION 1: Sustainable Farming & Food Systems	From Climate-Smart to Climate-Positive Agriculture: Transforming Food Systems for Resilience Sustainable Farming Food Systems Climate Resilience	Sustainable farming models and regenerative practices Climate-smart agriculture and resilient crop production systems Food security challenges under global climate stress
11:15 - 12:15	Oral Session 1 Research presentations	Innovations in Sustainable Crop Production Crop Production and Resource Efficiency	Regenerative agriculture practices Soil health improvement strategies Sustainable fertilizers and biofertilizers Crop productivity under climate stress Precision farming approaches

12:15 - 12:30	Scientific Networking Break Virtual interaction	Research matchmaking and discussion rooms Networking	Dedicated rooms for crop science, soil health and food systems Speaker Q&A overflow and collaborator introductions
12:30 - 13:00	Session 2 Keynote SESSION 2: Science & Technology in Agriculture	Artificial Intelligence & Digital Transformation in Modern Agriculture Digital Agriculture AI Automation	AI-based crop monitoring and predictive tools Smart farming technologies, robotics and automation Data-driven agricultural decision-making
13:00 - 14:00	Oral Session 2 Research presentations	Emerging Agricultural Technologies Remote Sensing IoT Biotechnology	Remote sensing and satellite agriculture IoT applications in farming Agricultural biotechnology and crop improvement technologies Digital agriculture solutions
14:00 - 14:45	Virtual Networking Lunch & e-Poster Gallery Poster viewing partner booths informal discussions	Connect research to practice Networking and Visibility	Meet presenters in moderated poster rooms Explore partner, sponsor and collaboration booths
14:45 - 15:15	Session 3 Keynote SESSION 3: Investment, Policy & Food Security	Global Food Security Strategies: Policy, Investment and Sustainable Growth Policy Investment Food Security	Food security policies and resilient supply systems Agricultural investments and public-private partnerships Future food economies and rural transformation
15:15 - 16:00	Oral Session 3 Research and policy presentations	Building Resilient Food Systems Food Systems Economics Rural Development	Food supply chain resilience Sustainable food production models Agricultural economics and inclusive rural development Evidence-based food security planning
16:00 - 16:15	Transition Break Virtual networking	From food systems to One Health Connection Break	Session transition and attendee networking Short moderator briefing for animal health session
16:15 - 16:45	Session 4 Keynote SESSION 4: Animal Health & One Health	One Health Approach: Integrating Animal, Human and Environmental Health Animal Health One Health Sustainability	Veterinary innovations and animal disease prevention Livestock sustainability and welfare Antimicrobial resistance and integrated disease surveillance
16:45 - 17:25	Oral Session 4 Research presentations	Advances in Animal Health & Veterinary Science Veterinary Science Livestock Diagnostics	Animal disease diagnostics and vaccination technologies Animal nutrition, livestock welfare and sustainable animal production Field-ready innovations for animal health systems
17:25 - 17:30	Day 1 Synthesis Rapporteur summary	Key takeaways and collaboration leads Daily Wrap-up	Summary of major messages across Sessions 1-4 Preview of Day 2 innovation, health and future agriculture tracks

DAY 2 - THURSDAY, 8 OCTOBER 2026 **Innovation, Health and Future Agricultural Solutions**

Day 2 moves from emerging technologies and plant science to blue food systems, nutrition, young researchers and future global collaboration.

Time (GST)	Program Segment	Strategic Focus	Key Points / Outcomes
08:45 - 09:00	Virtual Check-in & Day 2 Networking Platform opens	Reconnect, review Day 1 and prepare for Day 2 Virtual Event Experience	Networking lounge, e-posters and help desk open Speaker and moderator readiness check
09:00 - 09:15	Welcome Remarks & Day 2 Opening Opening note	Accelerating Agricultural Transformation Through Innovation and Collaboration Day 2 Framing	Key highlights from Day 1 Vision for future agriculture and global research partnerships Reinforcing the One Health - One Planet conference thread
09:15 - 09:45	Morning Keynote I Keynote	Future Agriculture 2050: One Planet, Powered by Science and Technology Sustainable Farming Science and Technology	Next-generation farming approaches Climate-resilient agriculture and sustainable food production models Digital and smart farming technologies
09:45 - 10:15	Morning Keynote II Keynote	One Health - One Planet: Connecting Agriculture, Animal, Human and Environmental Health Animal Health Human Health Environmental Health	Connecting food systems and public health Animal disease prevention, food safety and nutrition security Sustainable health solutions across sectors
10:15 - 10:45	Morning Keynote III Keynote	Innovation in Agriculture: From Research Breakthroughs to Real-World Impact Science and Technology Investment and Policy	Agricultural biotechnology and emerging technologies Research commercialization and scalable innovation Global innovation partnerships
10:45 - 11:00	Networking & Session Transition Virtual networking	Move from plenary to specialist tracks Connection Break	Speaker Q&A continuation in discussion room Session transition and moderator briefing
11:00 - 11:30	Session 5 Keynote SESSION 5: Plant Science & Agricultural Innovation	Next-Generation Plant Science for One Health and Planetary Sustainability Plant Science Crop Improvement Sustainability	Plant breeding innovations and climate-resilient crops Molecular agriculture and crop improvement technologies Plant science as a foundation for sustainable food systems
11:30 - 12:30	Oral Session 5 Research presentations	Advances in Plant Science Genomics Physiology Crop Protection	Plant genetics and genomics Crop physiology and plant stress management Sustainable crop protection and agricultural biodiversity

12:30 - 13:00	Global Research Networking Salon Interactive virtual session	Collaboration matchmaking across disciplines Collaboration Lab	Topic-based breakout rooms for joint research, reviews and special issues Opportunities for editorial, reviewer and institutional collaborations
13:00 - 13:30	Session 6 Keynote SESSION 6: Aquaculture & Blue Food Systems	Blue Food Systems for One Health and a Sustainable Planet Aquaculture Blue Economy Sustainability	Aquaculture sustainability and fish health management Alternative feeds and circular resource use Blue economy development and aquatic ecosystem protection
13:30 - 14:15	Oral Session 6 Research presentations	Aquaculture Science & Technology Aquatic Animal Health Marine Biotechnology Water Quality	Aquatic animal health and sustainable fish farming Marine biotechnology and aquaculture nutrition Water quality management and climate-ready aquaculture systems
14:15 - 15:00	Virtual Networking Lunch & Poster Gallery Poster viewing partner booths networking	Connect blue food, plant science and health research communities Networking and Visibility	Meet poster presenters and explore partner showcases Open discussion rooms for cross-sector collaborations
15:00 - 15:30	Session 7 Keynote SESSION 7: Human Health, Food Safety & Nutrition	Food Safety & Nutrition Security: Connecting Agriculture and Human Health Networking and Visibility	Food safety innovations and sustainable nutrition Food quality management and public health protection Agriculture as a driver of healthier communities
15:30 - 16:15	Oral Session 7 Research presentations	Food Safety & Health Innovations Networking and Visibility	Food contamination control and food processing technologies Functional foods and nutrition science Consumer health, food quality and risk reduction
16:15 - 16:30	Transition Break Virtual networking	Prepare for future agriculture and closing program Connection Break	Final poster and partner visits Young researcher showcase readiness
16:30 - 17:00	Session 8 Keynote SESSION 8: Future Agriculture & Global Collaboration	Agriculture 2050: Building a Sustainable, Resilient and Healthy Planet Future Agriculture Global Collaboration One Planet	Long-term agricultural transformation pathways Sustainable, resilient and health-centered food systems Global partnerships for implementation and impact
17:00 - 17:25	Young Researchers & Innovation Showcase Oral spotlight session	Future leaders and applied solutions Young Researchers Startups Innovation	Emerging agricultural research and startup innovations Sustainable solutions and future farming technologies Recognition of high-impact early-career contributions
17:25 - 18:00	Closing Ceremony & Awards Awards acknowledgements closing declaration	From conference dialogue to global collaboration	Awards and recognition Conference recommendations and collaboration priorities Vote of thanks and announcement of post-conference opportunities

PROGRAM NOTES

Recommended Moderator and Speaker Guidance

These notes keep the conference professional, focused and outcome-oriented across all virtual sessions.

FOR KEYNOTE SPEAKERS

- >> Open with the problem, then show the scientific solution and real-world relevance.
- >> Connect the talk to the main theme: One Health - One Planet.
- >> End with 2-3 clear implementation or collaboration messages.

FOR ORAL PRESENTERS

- >> Keep research context, methods, results and impact sharply structured.
- >> Highlight novelty, practical value and limitations.
- >> Use one final slide for future work and collaboration interest.

FOR SESSION CHAIRS

- >> Start and close on time to protect the virtual audience experience.
- >> Use one unifying question at the end of each session.
- >> Capture 3 takeaways for the rapporteur summary.

FOR NETWORKING ROOMS

- >> Use track-based rooms instead of generic open networking.
- >> Prompt attendees to share name, institution, research area and collaboration need.
- >> Encourage poster presenters and early-career researchers to lead short discussions.

CLOSING OUTCOME STATEMENT FOR GARCX 2026

- >> The conference should conclude with a concise GARCX 2026 Collaboration Note summarizing the strongest scientific takeaways, research gaps, policy priorities and partnership opportunities identified during the two days.
- >> Recommended post-conference actions: publish selected abstracts/proceedings, invite high-quality manuscripts, circulate session takeaways and create a speaker-delegate collaboration directory.