2ND EDITION GARCX
Global AgroVet Research Conference

POWERED BY ARCC JOURNALS

GLOBAL AGROVET RESEARCH CONFERENCE

GarcX 2k26

November 23-24
Dubai, UAE | Hybrid Event

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

HYBRID CONNECT
On-site networking, virtual participation, 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 hybrid conference 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 - MONDAY, 23 NOVEMBER 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	**Registration, Check-in & Platform Orientation** Delegate registration | Badge collection | Networking opens	**Opening access and participant readiness** Hybrid Event Experience	Speaker and attendee platform readiness Opening of exhibition area, e-posters & virtual platform
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** Networking & Exhibition 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** In-person & Virtual Networking	**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	**Networking Lunch, Exhibition & 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** Networking Break	**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 - TUESDAY, 24 NOVEMBER 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	**Registration & Day 2 Networking** Venue & Virtual Platform Open	**Reconnect, review Day 1 and prepare for Day 2** Hybrid 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** Networking & Session Transition	**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 Hybrid 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	**Networking Lunch, Poster Gallery & Exhibition** 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** Networking Break	**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 hybrid 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 both the in-person and 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.