



Post Harvest Biology Research Outsourcing Services

Our post harvest biology research outsourcing services help enhance the storage, safety, and marketability of fruits, vegetables, and other perishables through advanced physiological studies and technology interventions.

Our Post Harvest Biology Research Capabilities

Our team of post-harvest physiologists, food technologists, and packaging experts develop and validate methods to minimize losses, maintain quality, and ensure compliance with food safety standards.

Types of Post Harvest Biology Research We Handle

- Post-Harvest Physiology Studies
- Respiration Rate Measurement
- Ethylene Production and Management
- Chilling Injury Assessment
- Storage Life and Shelf-Life Determination
- Modified Atmosphere Storage Trials
- Controlled Atmosphere Storage Studies
- Packaging Technology Evaluation
- Edible Coatings and Film Development
- Decay and Pathogen Prevention Studies
- Antioxidant and Enzyme Activity Analysis
- Ripening Behavior and Control
- Color, Texture, and Flavor Retention Studies
- Post-Harvest Treatment Optimization
- Pre-Cooling and Cold Chain Optimization
- Quality Parameter Monitoring
- Commodity-Specific Handling Protocols
- Post-Harvest Loss Assessment
- Sprout Inhibition in Tubers and Bulbs
- Disinfestation and Quarantine Treatments
- Mycotoxin Risk Analysis
- Minimal Processing Shelf-Life Trials
- Sensory Evaluation of Stored Produce

- Waste Management and By-Product Utilization
- Bio-Preservation Technology Testing
- Publication-Ready Post-Harvest Data
- Regulatory-Compliant Post-Harvest Reports
- Cross-Lab Validation of Storage Methods
- Training on Best Post-Harvest Practices
- Custom Post Harvest Biology Research Projects

Key Research Outsourcing Services Offered

- Design of Storage and Shelf-Life Trials
- Packaging Material Testing and Evaluation
- Edible Coating Formulation and Testing
- Modified and Controlled Atmosphere Setup
- Respiration and Ethylene Monitoring
- Cold Chain Efficiency Studies
- Post-Harvest Treatment Protocol Development
- Decay and Pathogen Control Trials
- Antioxidant Activity and Enzyme Assays
- Texture, Color, and Flavor Analysis
- Mycotoxin Detection and Risk Mitigation
- Sensory Panel Setup and Evaluation
- Minimal Processing Trials and Validation
- Waste Valorization and By-Product Utilization
- Confidential Data Handling and NDA
- Interim Reports and Storage Data Updates
- Publication-Ready Figures and Reports
- Stakeholder Presentation Preparation
- Workshops and Training in Post-Harvest Biology
- Post-Project Technical Consulting
- IP and Patent Filing Support
- Grant Proposal and Manuscript Assistance
- Sample Archiving and Secure Data Backup
- Compliance with GLP, ISO, FSSAI Standards
- Cross-Lab Validation of Results
- Collaboration with Food Processing Units
- Long-Term Post-Harvest Research Partnerships
- Custom Storage and Packaging Solutions
- Regulatory Dossier Preparation for Export
- Market-Ready Post-Harvest Reports

Why Choose Us for Post Harvest Biology Research

Outsourcing?

Our evidence-based approaches and robust technologies help extend shelf-life, maintain quality, and reduce post-harvest losses, enhancing profitability and consumer satisfaction.

Industries & Sectors We Serve

- Fresh Produce Exporters
- Food Processing and Packaging Companies
- Cold Chain Logistics Providers
- Retail and Supermarket Chains
- Regulatory and Food Safety Authorities
- Academic and Research Institutions

Customized Post Harvest Biology Solutions

We design species-specific storage protocols, develop smart packaging, and deliver regulatory-ready shelf-life data aligned with your quality and market needs.

Quality Assurance & Regulatory Compliance

Our workflows follow GLP, ISO, FSSAI, and export compliance standards to ensure robust, validated, and certifiable post-harvest solutions.

Case Studies & Client Success Stories

Discover how our outsourcing has minimized losses, extended shelf-life, and supported market expansion for fruits, vegetables, and perishables worldwide. References available on request.

How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define commodities, storage goals, and shelf-life targets.
2. **Proposal & Quotation:** Provide detailed storage trial design, packaging plan, and cost estimates.
3. **Execution:** Conduct storage trials, monitor parameters, and optimize packaging.
4. **Reporting:** Deliver validated shelf-life data and regulatory-ready reports.
5. **Post-Project Support:** Offer consulting, training, and technology transfer assistance.

Frequently Asked Questions (FAQs)

Q: Do you develop custom storage solutions?

A: Yes — we tailor storage and packaging based on produce type and market requirements.

Q: Can you help validate shelf-life claims?

A: Absolutely — we perform lab and field trials to substantiate label claims.

Q: How secure is product and data information?

A: We guarantee strict NDAs, secure storage, and full confidentiality.

Get Started / Request a Quote

Contact us today to discuss your post harvest biology project and receive a custom plan, timeline, and cost estimate aligned with your supply chain goals.

Contact Us

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