

**50th International COCOTECH Conference & Exhibition
7 – 11 November 2022, Kuala Lumpur Convention Centre, Malaysia**

“Climate Change Adaptation and Mitigation Strategy for a Resilient and Sustainable Coconut Agroindustry”

PROVISIONAL AGENDA

Monday, 7 November 2022	
08:00 – 09:00	Arrival Registration
09:00 – 10:00	Inaugural Session (<i>Refer to separate program sheet</i>) <i>Official Opening</i> <i>Launch of Exhibition</i> <i>Group Photo</i>
10:00 – 10:20	Networking Refreshment Break
	1st Session: Policy Coherence to Climate Change Solutions for a Resilient and Sustainable Coconut Agroindustry and Farmer’s Livelihood
	Session Chairman: Dr. Viliami Toalei Manu, Chief Executive Officer, Ministry of Agriculture, Food and Forests, Tonga
10:20 – 10:40	<i>From Science-Based Policy to Climate Change Solutions for a Resilient and Sustainable Coconut Agroindustry and Farmer’s Livelihood in Philippines –</i> Mr. Benjamin R. Madrigal Jr. , Administrator, Philippine Coconut Authority, Philippines
10:40 – 11:00	<i>Challenges, Opportunities and Policy of Indian Coconut Industry to Adapt to Climate Change and Increase Resilient and Sustainable Coconut Agroindustry and Farmer’s Livelihood –</i> Dr. B. Hanumanthe Gowda, Chief Coconut Development Officer , Coconut Development Board, Ministry of Agriculture & Farmers Welfare, India
11:00 – 11:20	<i>Multisector Collaboration, Climate Change Adaptation & Mitigation Research Program and Policies of Coconut Industry in Indonesia –</i> Mrs. Boediastoeti Ontowirjo , Deputy for Research and Innovation Policy, National Research Innovation Agency (BRIN), Jakarta, Indonesia
11:20 – 11:40	<i>Digital and Geospatial Applications for Climate Change Adaptation and Disaster Risk Reduction –</i> Ms. Tiziana Bonapace , Director, Information and Communications Technology and Disaster Risk Reduction Division of United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP), Thailand
11:40 – 12:00	<i>Sustainable Coconut Charter and Effort to Formalize a Sustainable Coconut Platform –</i> Ms. Christy Owen , Chief of Party, United States Agency for International Development (USAID) Green Invest Asia, Thailand

12:00 – 12:10	<i>Promoting Climate Friendly Production of Coconut Palm and Products –</i> Mr. Joe Ling , Group Executive Director, Linaco Manufacturing Sdn. Bhd., Malaysia
12:10 – 12:20	& Mr. Dwianto Arif Wibowo , Corporate Secretary, Sambu Group, Indonesia
12:20 – 12:30	Open Forum & Discussion
12:30 – 13:30	Networking Lunch Break

	2nd Session: <i>Promoting the Development of Green Exports of Coconut Products</i>
	Session Chairman: Mr. Alan Aku, Managing Director, Kokonas Industri Koporesen, Papua New Guinea
13:30 – 13:50	<i>Development of Coconut Products and Climate Change Mitigation –</i> Dr. C. Anandharamakrishnan , Senior Principal Scientist, Department of Food Engineering, CSIR-Central Food Technology Research Institute (CFTRI), Mysore, India
13:50 – 14:10	<i>Climate Change and Coconut Business Strategies –</i> Mr. Tomas B. Medina , President & CEO, Brand Exports, Philippines
14:10 – 14:30	<i>Coconut-Based Activated Carbon and its Application in Neutralizing Air and Water Pollutant –</i> Mr. Michael Darwis , President Director of PT. Ikaindo and PT. Freeman Carbon, North Sumatera, Indonesia
14:30 – 14:45	<i>Role of International Trade Centre (ITC) in Sustainable Coconut Development in African and Caribbean Countries –</i> Mr. Benjamin Morrison , Associate Program Officer, Alliances for Action, Inclusive Agribusiness Systems, International Trade Centre, Geneva, Switzerland
14:45 – 15:00	<i>Development of Biodegradable Coconut Husk-Based Products & Eco-friendly Coconut Precision Farming Using IoT & Artificial Intelligence –</i> Mr. Rajarathinam Kanakarajan , Director, Farmagain Agro Private Limited Coimbatore, Tamil Nadu, India
15:00 – 15:15	Mr. Viraj Bagaria , Chief Executive Officer, T&I Global Ltd., Coimbatore, India
15:15 – 15:45	Open Forum/Discussion
15:45 – 16:00	Networking Refreshment Break
19:00 – 22:00	Welcome Dinner <i>Hosted by ICC & Government of Malaysia</i>
Tuesday, 8 November 2022	
	3rd Session: <i>Agronomic Adaptations Strategies to Climate Change</i>
	Session Chairman: TBA
08:00 – 08:20	<i>IoT based Smart Irrigation System in Management of Coconut Nurseries –</i> Mrs. Airul Asmiza Binti Khaeruddin , Director, Agriculture Engineering Division, Department of Agriculture Malaysia

08:20 – 08:40	<i>Strengthening Adaptation of Coconut Cropping System in Coping with Climate Change</i> – Mr. Raammohan N.U. , Umapathy Hybrid Centre, Tirupur, Tamil Nadu, India
08:40 – 09:00	<i>Coconut Farming Practices and their Contribution on Improving Biodiversity, Farm Productivity, Climate Change Mitigation and Farmer's Livelihood</i> – Dr. Joko Purbopuspito , Lecturer, Faculty of Agriculture, University of Sam Ratulangi, North Sulawesi, Manado, Indonesia
09:00 – 09:20	<i>An Integrated Approach to Managing Organic Coconut Plantation and Producing Organic Products</i> – Mr. Pongpisuit Kiatvarangoon , Chief Executive Officer, Thai Pure Coconut Company Ltd., Bangkok, Thailand
09:20 – 09:40	Good Agricultural Practices in Supporting Coconut Production and Industries – Mr. Kandha Sritharan , Research Manager, United Plantations Bhd., Perak, Malaysia
09:40 – 10:00	Open Forum/Discussion
10:00 – 10:20	Networking Refreshment Break
	4th Session: <i>The New Integrated Pest Management Paradigm for Emerging Threats of Pests and Diseases of Coconut</i>
	Session Chairman: Dr. Wayne Myrie, Plant Pathologist, Coconut Industry Board (CIB), Jamaica & Leader of ITAG 3 COGENT
10:20 – 10:35	<i>Developing a Monitoring and Reporting System of Pests and Diseases of Coconut to Prevent Economic Yield Losses</i> – Dr. Feng Zhang , Regional Director (SEA), Centre for Agriculture & Bioscience International (CABI), China
10:35 – 10:50	<i>Innovative Pest Management Technologies to Control Major Coconut Pests & Diseases in India</i> – Dr. Vinayaka Hegde , Principal Scientist & Head Plant Protection Division, ICAR-Central Plantation Crop Research Institute (CPCRI), Kerala, India
10:50 – 11:05	<i>Coconut Pests and Diseases throughout The Pacific: Management of Outbreak and Mitigation of New Incursions</i> – Dr. Carmel Pilotti , Associate Scientist, The Pacific Community (SPC), Fiji
11:05 – 11:20	<i>Emerging Threats of Coconut Pests in Indonesia and the Strategies to Control Them</i> – Prof. Meldy L.A. Hosang , Senior Researcher and Head Plant Protection Division, National Research and Innovation Agency (BRIN), North Sulawesi, Manado, Indonesia
11:20 – 11:35	<i>How Widespread is the Guam haplotype Coconut Rhinoceros Beetle In Coconut Plantations and Strategies to Be Adopted</i> – Dr. Wee Tek Tay , Senior Research Scientist, Commonwealth Scientific and Industrial Research Organization (CSIRO), Canberra, Australia
11:35 – 12:00	Open Forum & Discussion
12:00 – 13:00	Networking Lunch Break

	5th Session: <i>Genetic Adaptations Strategies to Climate Change</i>
	Session Chairman: Dr. Lalith Perera, Additional Director, Coconut Research Institute, Sri Lanka
13:00 – 13:20	<i>Improved Varieties through Conventional and OMICS Technologies to Increase Resiliency to Climate Change Effects – Dr. Rajesh M.K., Principal Scientist (Biotechnology), Division of Crop Improvement, ICAR- Central Plantation Crop Research Institute (CPCRI), Kerala, India</i>
13:20 – 13:40	<i>Coconut Breeding Program in Jamaica to Support Sustainable Coconut Development – Dr. Millicent Wallace, Director (Research) Coconut Industry Board (CIB), Jamaica</i>
13:40 – 14:00	<i>Propagation Program of Superior Coconut Varieties in Indonesia to Save Coconut Industries and Farmer's Livelihood – Dr. Hengky Novarianto, Senior Researcher, National Research and Innovation Agency (BRIN), North Sulawesi, Manado, Indonesia</i>
14:00 – 14:20	<i>Mass Propagation Strategies of Elite Coconut Planting Materials to Meet Global Market Demand – Mr. David Lobo, DeeJay Group, Bengaluru, India</i>
14:20 – 14:40	<i>Role of Tissue Culture in Generating Desired Varieties that are Tolerant of Drought & Typhoon, Pests, and Diseases – Dr. Vijitha R.M. Vidhanaarachchi, Head of Tissue Culture Division, Coconut Research Institute (CRI), Lunuwila, Sri Lanka</i>
14:40 – 15:00	Open Forum & Discussion
15:00 – 15:30	Networking Refreshment Break
17:00 – 19:00	Side Event: ICC – Technical Working Group (TWG) Meeting
Wednesday, 9 November	
	6th Session: <i>Development of Innovative Products to Address Climate Change, Non-Renewable Energy, and Non-Degradable Products</i>
	Session Chairman: Mrs. Deepthi Nair, Deputy Director (Marketing), Coconut Development Board (CDB), India
08:00 – 08:20	<i>Development of Coconut Fibre-based Automotive Products – Mr. Farri Aditya, Aditya Research Development Centre, PT. Rekadaya Multi Adiprima, Indonesia</i>
08.20 – 08:40	<i>Biodegradable Product Developments, Market Prospects and Growth – Mr. S.K. Gowthaman, Member, Coir Board and Consultant, India</i>
08:40 – 09:00	<i>Coconut Shell Charcoal Briquette Industry and its Contribution on Climate Change Mitigation – Mr. Asep Jembar Mulyana, Chief Executive Officer, PT. TOM Cococha Indonesia, Bogor, Indonesia</i>

09:00 – 09:20	<i>Production Coco-biodiesel from CNO (Coconut Natural Oil) for Small Scale Industries / Farmer Using Static Mixer – Dr. Rizal Alamsyah, National Research Innovation Agency (BRIN), Serpong, Tangerang Selatan, Indonesia</i>
09:20 – 09:40	<i>Manufacturing Eco Friendly Alternatives using Coconut Plant Parts to replace Single Use Plastic – Mr. Manigandan Kumarappan, Director and CEO, Evlogia Eco Care Private Limited, Bengaluru, India</i>
09:40 – 10:00	Open Forum/Discussion
10:00 – 10:20	Networking Refreshment Break
	7th Session: Sustainable Conservation and Utilization of Coconut Genetic Resources and their Impact to Climate Change Mitigation and Adaptation for the Economic Development of the Countries
	Session Chairman: Dr. Syafaruddin, Director, Indonesian Center for Estate Crops Research & Development (ICECRD), Bogor, Indonesia
10:20 – 10:35	<i>Challenges and Potency of Coconut Germplasm Exchange as Part of Global Solidarity to Improve Coconut Production and Quality – Mr. Daniele Manzella, Technical Officer, ITPGRFA, Food and Agriculture Organization of the United Nations (FAO), Rome, Italy</i>
10:35 – 10:50	<i>Managing Global Coconut Genetic Resources for Better Exchange of Quality Accession – Mrs. Erlene C. Manohar, COGENT Coordinator, Philippines</i>
10:50 – 11:05	<i>Role of Effective and Efficient Breeding Program to Optimally Use Coconut Germplasms and Accelerate the Increase in Coconut Products from Desired Varieties – Mr. Ramon L. Rivera, Deputy Administrator (R&D), Philippine Coconut Authority (PCA), Philippines</i>
11:05 – 11:20	<i>Genomic Architecture of Coconut Tree of Drought Tolerance to Expand Coconut Cultivation for Food Security in African Countries – Dr. Konan Jean Louis Konan, Director, Research & Scientific Coordinator, Centre National de Recherche Agronomique (CNRA), Côte d'Ivoire</i>
11:20 – 11:35	<i>Clonal Propagation of Coconut using Axillary in Vitro Shoot: Merits of the Technology, Potency and Progress – Dr. Bart Panis, Principal Scientist, Genetic Resources Conservation, Alliances of Bioversity International & CIAT, Belgium</i>
11:35 – 11:50	<i>Coconut Cryopreservation: Importance, Challenges, Potency and Progress – Dr. Anitha Karun, Acting Director and Breeder, ICAR- Central Plantation Crop Research Institute (CPCRI), Kerala, India</i>
11:50 – 12:05	<i>Exchange of Coconut Germplasm for the Production of Vitro-Plantlets from Vitro-Shoots – Dr. Carlos S. Oropeza, Senior Researcher, Yucatan Center for Scientific Research, Merida, Mexico</i>
12:05 – 12:30	Open Forum & Discussion
12:30 – 13:30	Networking Lunch Break

	8th Session: Role of Coconut Products in Enhancing Public Health and Diseases Prevention
	Session Chairman: Mr. Romulo N. Arancon, Jr., UN-FAO Coconut Expert, Philippines
13:30 – 13:50	<i>Coconut for Health</i> – Dr. Fabian M. Dayrit , Prof. Department of Chemistry, Ateneo de Manila University and Chairman ICC Scientific Advisory Committee on Health (SACH), Philippines
13:50 – 14:10	<i>Effect of Coconut Oil on Antibacterial, Buffering Capacity and Total Antioxidant Capacity of Saliva</i> – Dr. Faizal C Peedikayil , Professor & Head, Department of Pedodontics & Preventive Dentistry, Kannur Dental College, Kerala India
14:10 – 14:30	<i>Coconut Sugar Product Development in Indonesia as Potential Source of Income and Public Health Support</i> – Dr. Steivie Karouw , Head, Indonesian Standardization Agency for Agricultural Instruments (BSIP), Ministry of Agriculture, North Sulawesi, Manado, Indonesia
14:30 – 14:40	Ms. Ernestine Kong , Managing Director, Oshin Organics, Papua New Guinea
14:40 – 15:00	Open Forum & Discussion
15:00 – 15:20	Networking Refreshment Break
15:20 – 16:00	Committee Meeting on Conference Recommendations Chaired by Executive Director, ICC Committee Members: Heads of Delegations, Session Chairs and Resource Persons
17:00 – 19:00	Side Event: Quality Standard for Coconut Product Finalisation Meeting
Thursday, 10 November 2022	
	9th Parallel Session
	Session A: Agricultural Adaptation to Climate Change Impacts in Coconut
	Session Chairman: Dr. Rajesh M.K., Principal Scientist (Biotechnology), ICAR- Central Plantation Crop Research Institute (CPCRI), Kerala, India
08:00 – 08:10	<i>Sustainable Agricultural Measures for Climate Change in Coconut Agroecosystems</i> – Dr. Liberty H. Canja , Department Manager II, Philippine Coconut Authority-Davao Research Center, Bago Oshiro, Davao City, Philippines
08:10 – 08:20	<i>Sustainable Utilization of King Coconut Husk as a Feedstock in Biochar Production with Highest Conversion Efficiency with Desirable Properties</i> – Dr. Anjana J. Atapattu , Agronomy Division, Coconut Research Institute, Lunuwila, Sri Lanka

08:20 – 08:30	<i>Narrowing the Yield Gaps of Coconut (Cocos Nucifera L.) through Integrated Nutrient Management: An On-Farm Experiment Approach</i> – Dr. Speedy D. Crisostomo , Institute of Plant Breeding, College of Agriculture and Food Science, University of the Philippines Los Baños, Laguna, Philippines
08:30 – 08:40	<i>Fertilizer and Irrigation Management Strategies for Improving Nut Yield and Fruit Quality of Coconut</i> – Dr. Christopher DV. Dela Cruz , Institute of Crop Science, College of Agriculture and Food Science, University of the Philippines Los Baños, Laguna, Philippines
08:40 – 09:00	Open Forum & Discussion
	Session B: Promoting Climate Resilient Coconut-Based Farming System
	Session Chairman: Dr. Carmel A. Pilotti, Associate Scientist, The Pacific Community (SPC), Fiji
09:00 – 09:10	<i>Capacitating Strategies to Promote Climate Resilient Coconut-Based Farming Systems (CR-CBFS) in Vulnerable Communities of The Philippines</i> – Dr. Edna A. Aguilar , Professor, Institute of Crop Science, College of Agriculture and Food Science, University of the Philippines Los Baños Laguna, Philippines
09:10 – 09:20	<i>Planting Techniques for Climate Resilient and Perceptible Economic Benefits of the Distributed Malaysian Hybrid Coconut Seedlings by the Anambra State Government</i> – Dr. C.A. Obianefo , Department of Agriculture Economics and Management Team and Amb. (Mrs.) Okoroji, Nma Okechukwu , Lecturer, Nnamdi Azikiwe University, Anambra State, Awka, Nigeria
09:20 – 09:30	<i>Patterns in the Distribution and Abundance of Post Outbreak Population of the Coconut Leaf Beetle, Brontispa Longgissima (Gestro) (Coleoptera: Chrysomelidae) in Albay, Philippines</i> – Dr. Genean L. Galicia , Junior Researcher, Bicol University College of Agriculture & Forestry and University of the Philippines, Los Baños, Philippines
09:30 – 09:40	<i>Emerging Invasive Whiteflies (Hemiptera: Aleyrodidae) on Coconut and their Management Strategies in India</i> – Dr. Selvaraj, K , Division of Germplasm Conservation and Utilization, ICAR–National Bureau of Agricultural Insect Resources, Bengaluru, Karnataka, India
09:40 – 09:50	<i>Evaluation of Low Cost Protein Substitutes in Adult Diet of Apertochrysa Astur Banks (Neuroptera: Chrysopidae) and Standardization of Release Rates Against Rugose Spiraling Whitefly Aleurodicus Rugioperculatus Martin (Hemiptera: Aleyrodidae) on Coconut Under Field Conditions</i> – Dr. N.B.V. Chalpathi Rao , Dr. YSRHU-Horticultural Research Station, Ambajipeta, Andhra Pradesh, India
09:50 – 10:00	Open Forum & Discussion
10:00 – 10:10	<i>Mineral Composition of Crystalline Sugar from the Sap of Inflorescences of three Coconut Cultivars in Côte d'Ivoire</i> – Dr. Okoma Djeya Muriel Joelle , Technologist and Project Leader, Centre National de Recherche Agronomiques (CNRA), Côte d'Ivoire
10:10 – 10:20	<i>Robotic Coconut Sap Tapping Device</i> – Mr. Charles Vijay Varghese , CEO & Founder, NAVA Design & Innovation Pvt. Ltd., Kochi, India

10:20 – 10:30	Open Forum & Discussion
10:30 – 10:40	Networking Refreshment Break
10:40 – 12:00	Closing Session: Meeting of Delegates: Adoption of Conference Recommendations from 50th International COCOTECH Conference
	Session Chairman: Chair of ICC 2022
	<p>Agenda Items:</p> <ol style="list-style-type: none"> 1. Remarks by National Ministers Present 2. Adoption of Recommendations from 50th International COCOTECH Conference 3. Announcement of the 51st International COCOTECH Conference 2024 4. Acceptance Speech by Host of 51st International COCOTECH Conference 5. Announcement of winners of ICC-World Coconut Day Competition 6. Vote of thanks by Executive Director, ICC 7. Adjournment
12:00 – 13:00	Networking Lunch Break
13:00 – 16:00	Visit of Exhibition
	<i>Free Evening for Participants</i>
Friday, 11 November 2022	
08:00 – 16:00	Conference Delegate Tour Programme – <i>Jorak Agriculture Centre-Smart Irrigation System with IOT and Linaco Manufacturing Sdn. Bhd. Malaysia</i>