

# SAGO 2023 TOKYO PROGRAM

<b>Registration</b>	9:00 – 10:00		
<b>Opening Ceremony</b>	10:00 – 10:15		MC: S. Ehara (JAC)
<b>Opening Remark</b>	10:00 – 10:05		
<b>Hiroshi Ehara</b>			
			(Chair, Organizing Committee of the 14 <sup>th</sup> International Sago Symposium)
<b>Guest Speech</b>	10:05 – 10:15		
<b>Hiroyuki Konuma</b>			
			(Executive Director, Association for the Promotion of Self-reliance in Asia)
<b>Keynote Speeches</b>	10:15 – 11:15		Chair: Y. Nishimura (Nagoya Univ.)
<b>Hiroshi Ehara</b>			
			(Nagoya University, Japan)
<b>Hengky Novarianto</b>			
			(Indonesia National Agency for Research and Innovation, Indonesia)
<b>Plenary Session</b>	11:15 – 12:15		Chair: Y. Yamamoto (Kochi Univ.)
<b>Margaret Chan Kit YOK</b>			
			(Universiti Teknologi MARA, Malaysia)
<b>Takashi MISHIMA</b>			
			(Mie University, Japan)
<b>Keith GALGAL</b>			
			(FAO PNG, Papua New Guinea)
<b>Lunch Break</b>	12:15 – 13:00		
<b>Business Meeting</b>	12:20 – 12:50		
<b>Oral Session 1</b>	13:00 - 14:30	(Room 1 / Online)	Chair: K. Osozawa (Ehime Univ.) H. Naito (KUSA)
<b>Oral Session 2</b>	13:00 - 14:30	(Room 2 / Online)	Chair: T. Mishima (Mie Univ.) O. Theosilvisut (Thammasat Univ.)
<b>Oral Session 3</b>	13:00 - 14:15	(Room 3 / Online)	Chair: B. Abbas (Univ. Papua) A. Watanabe (Nagoya Univ.)
<b>Coffee Break</b>			
<b>Poster Session 1</b>	14:30 - 15:15	(Room 2)	Chair: S. Ehara (JAC)
<b>Poster Session 2</b>	14:30 - 15:15	(Room 3)	Chair: M. Ohmi (TUAT)

<b>Oral Session 4</b>	15:15 - 16:30	(Room 1 / Online)	Chair: H. Naito (KUSA) M.A. Trisia (Girona Univ.)
<b>Oral Session 5</b>	15:30 - 16:45	(Room 2 / Online)	Chair: A. Miyazaki (Kochi Univ.) K. Asano (Chitose Laboratory Corp.)
<b>Oral Session 6</b> <b>[AAACU Session]</b>	15:30 - 16:30	(Room 3 / Online)	Chair: T. Uchiyama (Tokyo Univ. Agr.) S. Binongo-Lina (VSU)

The Asian Association of Agricultural Colleges and Universities (AAACU) that is a network of agricultural colleges and universities in Asia established in 1972 with the main mission of improving human welfare through agriculture, education, research, and extension will be co-organizing a session in SAGO 2023 with invited speakers coming from AAACU member institutions.

<b>Closing Ceremony</b>	16:45 – 17:00	(Room 1)	MC: S. Ehara (JAC)
<b>Closing Remark</b> <b>Yukio Toyoda</b> (Chair, Steering Committee of the 14 <sup>th</sup> International Sago Symposium)	16:45 – 16:55		
<b>Reception Party</b>	17:00 – 18:30	(Reception Room)	

**Keynote Speeches** 10:10 - 11:15 (1st Room / Online) Chair: Y. Nishimura (Nagoya Univ.)

**Hiroshi Ehara**

Recent Achievements toward SDGs through Collaborative Activities between Sago-producing Countries and User Countries

**Hengky Novarianto**

Sago Development and Use Policy as Local Food Diversification for Food Security

**Plenary Session** 11:15 - 12:15 (1st Room / Online) Chair: Y. Yamamoto (Kochi Univ.)

**Margaret Kit Yok Chan**

Should a Certification Scheme be in Place towards a More Efficient, Sustainable, and Resilient Sago Industry?

**Takashi Mishima**

Quality of Sago Starch for Worldwide Promotion

**Keith Kulakit Galgal**

Potential to Up-scale Sago Production to Combat Food Insecurity and Climate Change on Manus Island of Papua New Guinea

**Oral Session 1** 13:00 - 14:30 (1st Room / Online) Chair: K. Osozawa (Ehime Univ.)  
H. Naito (KUSA)

**Yoshinori Yamamoto**

Comparison of Growth Characteristics and Yield Potential of Starch-accumulating Palms

**Mochamad Hasjim Bintoro Djoefrie et al.**

Sago Production Potential in Several Regions in Indonesia

**Yoshihiko Nishimura**

Regional Characteristics and Transformation of Sago Palm Utilization in Traditional Rural Areas—From the cases of the three regions: West Papua, Indonesia, Southeast Sulawesi, Indonesia, Northwest Mindanao, Philippines

**Saki Ehara**

Variation in the Consumer Prices of Sago Starch and Other Starch in Jakarta, Indonesia

**Yukio Toyoda et al.**

Possibility of Up-Scaling Sago Production in Sepik Area, Papua New Guinea

**Hafidawati et al.**

Potential Study of Sago Dregs Waste as Renewable Energy: Quality and Economic Value of Sago Dregs Briquette Production

**Oral Session 2** 13:00 - 14:30 (2nd Room / Online) Chair: T. Mishima (Mie Univ.)  
O. Theosilvisut (Thammasat Univ.)

**Endang Yuli Purwani et al.**

Impact of Ultrasonication Treatment on Resistant Starch (RS) Content and Characteristics of Sago Starch

**Budi Santoso et al.**

Maltodextrin from Sago Starch at Different Hydrolysis Times

**Ansharullah Ansharullah et al.**

Formulation of Sago Based Biscuit: Incorporation of Sea Cucumber (*Holothuria scabra*) Powder to Improve its Sensory and Nutritional Properties

**Rahmah Zikra Utami et al.**

Diversity of Medicinal Plants in the Sago area of Siberut National Park, West Sumatra

**Dwi Ahrisa Putri et al.**

Analysis of Sago (*Metroxylon sago* Rottb.) Supply Chain in West Sulawesi, Indonesia

**Darma et al.**

Small Scale Mechanical Processing of Sago in District Momi Waren, Manokwari Regency, West Papua Province

**Oral Session 3**      13:00 - 14:15    (3rd Room / Online)      Chair: B. Abbas (Univ. Papua)  
A. Watanabe (Nagoya Univ.)

**Mardiani Dwi Agustin et al.**

Genetic Diversity of Sago (*Metroxylon* spp.) in Lingga District, Kepulauan Riau

**Ariel Nur Alifan Firmansyah et al.**

Genetic Relationship of Sago (*Metroxylon* spp.) in West Siberut and North Siberut, Mentawai Islands Regency, West Sumatra

**Naasih El Ibaad Abhal et al.**

Genetic Relationship of Sago (*Metroxylon* spp.) Based on RAPD Analysis: A Case of Mamuju District, West Sulawesi Province, Indonesia

**Melika Jehan et al.**

Sago (*Metroxylon sagu* Rottb.) Agroforestry Based on Morphological Characters, Physical Environment and Productivity in Siberut National Park, Indonesia

**Malimas Jariyapong et al.**

Soil Carbon Stock Comparison of Sago Palm Plantation and Monoculture Crop Around Converted Wetland in Southern Thailand

**Oral Session 4**      15:15 - 16:30    (1st Room / Online)      Chair: H. Naito (KUSA)  
M.A. Trisia (Girona Univ.)

**Rampisela D.A. et al.**

Knowledge Co-Production Practices in Nurturing Local Innovators for Promoting Conservation and Use of Sago Palm (*Metroxylon sagu*) and its Product

**Mochamad Suwarno et al.**

Development of Sustainable Sago Plantation on Peatland Towards Commercial Level

**Primadhika Al Manar et al.**

Ethnobotany of Sago in the Malay Community in Lingga Regency, Riau Islands, Indonesia

**Ridho Afriansyah et al.**

Ethnobotany of Sago (*Metroxylon sagu* Rottb.) in Mentawai Community, Siberut National Park, Mentawai Islands District, Indonesia

**Dwi Ratna Sari et al.**

Agronomic Prospects for New Sago Palm Cultivation by Farmers: Time to Harvest and Associated Cultivation Management

**Oral Session 5**      15:30 - 16:45    (2nd Room / Online)      Chair: A. Miyazaki (Kochi Univ.)  
K. Asano (Nagoya Univ.)

**Agus Triputranto et al.** (Canceled)

Improve the Process Flow by Utilizing Wet Sago Biomass to Increase the Productivity and Economics of Sago Processing in Meranti, Riau

**M.N. Ahmad and K.B. Bujang**

The Potential of Sago Frond as Large-Scale Animal Feed

**Yulius Barra' Pasolon et al.**

Utilization of Palm Oil By-products for Sustainable Crop Production in Marginal Land

**Suriya Chankaew et al.** (Canceled)

Utilization of Sago Palm Rachis to Woven Local Fishing Gear at Nakhon Si Thammarat Province, Thailand

**Seprianto Palitak et al.**

The Effect of Palm Oil Organo-Waste and NPK Fertilizers on Growth of Manno Sago Seed

**Oral Session 6 (AAACU Session) 15:30 - 16:30 (3rd Room / Online)**

Chair: T. Uchiyama (Tokyo Univ. Agr.)

S. Binongo-Lina (VSU)

**【AAACU Session】**

**Benito Heru Purwanto**

Further Direction of Sago Palm Studies from Soil Science Point of View

**Koki Asano et al.**

Nitrogen-Fixing Bacterial Community in Sago Palm Roots in Different Soil Environments of East Malaysia and South Thailand

**Destieka Ahyuni et al.**

Characteristics of Sago Palm Suckers as Planting Material and Their Subsequent Growth in Deep Peat Soil

**Kietsuda Luengwilai et al.**

Climatic Factors Affecting Palm Yield and Yield Prediction: A Case Study of Aromatic Coconut

**Poster Session 1 14:30 - 15:15 (2nd Room)**

Chair: S. Ehara (JAC)

**Tomoko Kondo et al.**

Comparative Study on the Properties of Various Commercial Sago Starches and Examination of Gluten-Free Pasta Using Sago Starch

**Kazuko Hirao et al.**

Application of Sago Starch in Karukan (Japanese Rice Flour Steamed Cake) Spheroid Echinete Symmetric Phytolith Assemblage in Sago Palm (*Metroxylon sagu* Rottb.)

**Fidrianto, B.E et al.**

The Possibility of Sago Starch as a Healthy Food

**Muhammad Agung Islamy et al.**

Utilization of Sago Starch in the Development Powdered Sugar in Riau Province, Indonesia

**Poster Session 2 14:30 - 15:15 (3rd Room)**

Chair: M. Ohmi (TUAT)

**Masanori Okazaki et al.**

Spheroid Echinete Symmetric Phytolith Assemblage in Sago Palm (*Metroxylon sagu* Rottb.) Leaflet

**Yasunobu Tokuda et al.**

Antioxidant Polyphenols in Sago Starch Affected by Wet and Dry Extraction Processing

**Yasunobu Tokuda et al.**

Sago Starch as an Innovative Fermentation Aid for Tempeh Fungi (*Rhizopus oligosporus*)

**Mitsuhisa Baba et al.**

Sensory Evaluation of Cookies Made from Sago (*Metroxylon sagu*) and its Mixture with Taro (*Colocasia esculenta*) Starch