

The 9th UGSAS-GU  
International Symposium  
on a Recent Progress  
in Forest Ecology and Management  
2021



# International Symposium on a Recent Progress in Forest Ecology and Management 2021

10<sup>th</sup> November, 2021

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12:00-12:05      OPENING REMARKS

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**12:00-12:05      Toshiyuki Ohtsuka, Professor**  
**Head Organizer of the Symposium**  
**Gifu University**

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12:05-13:25      KEYNOTE SPEECH 1

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**12:05-12:45      Michiko Nakagawa, Associate Professor**  
**Nagoya University**  
Long-term Field Data Unveil Characteristics of Phenology and Forest Dynamics in a Bornean Tropical Rain Forest

**12:45-13:25      Sasitorn Pongparn, Associate Professor**  
**Chulalongkorn University**  
Unfolding a Mystery of Tropical Mangroves from a Two-decade Journey in Mangrove Study

13:25-13:45      Break

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13:45-15:00      FOREST CARBON CYCLE AND CLIMATE CHANGE (Session 1)  
Chair: Professor Toshiyuki Ohtsuka (Gifu University)

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**13:45-14:00      Suthathip Umnouysin, PhD (Silpakorn University)**  
Net Primary Productivity Estimation in the Chronosequence Coastal-mangrove Plantations in Central Thailand

**14:00-14:15      Christine Wulandari, PhD (The University of Lampung)**  
Relationships Between Carbon Stocks and Trees Biodiversity in Production Forest of Register 24, Lampung Province

**14:15-14:30      Komariah, PhD (Sebelas Maret University)**  
The Effects of Climate Change on Indonesian Forests

**14:30-14:45      Sutheera Hermhuk, PhD (Maejo University)**  
Tropical Montane Forest Ecotone Dynamics in the Context of Climate Change: Case Study in the Doi Suthep-Pui National Park, Thailand

**14:45-15:00 Wongsatorn Phumphuang, Master (Kasetsart University)**  
 Effect of Climate Changes on Dry Evergreen Forest Dynamics in Sakaerat Biosphere Reserve, Northeastern Thailand

15:00-15:20 Break

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15:20-16:05 ECOLOGY OF TROPICAL TO TEMPERATE FORESTS (Session 2)  
 Chair: Associate Professor Atsuhiko Iio (Shizuoka University)

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**15:20-15:35 Qingmin Han, PhD (Forestry and Forest Products Research Institute (Japan))**

Mast Seeding and Associated Resource Dynamics in *Fagus* Species

**15:35-15:50 Nguyen Trong Minh, PhD (Vietnam National University of Forestry)**  
 Anchorage and Stability Characteristic of Forest Tree Species in Tropical Region and a Suitable Wind Damage Assessment Mode for Planted Forest in Vietnam

**15:50-16:05 Momi Tsuruta, PhD (Forestry and Forest Products Research Institute (Japan))**

Hybrid Breakdown as a Result of Up-regulated Expression of Defense-related Genes in the Hybrid Seedlings of Japanese Flowering Cherry

16:05-16:25 Break

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16:25-17:10 AGROFORESTRY OF TROPICAL REGION (Session 3)  
 Chair: Assistant Professor Isao Hirota (Gifu University)

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**16:25-16:40 Maria Theresia Sri Budiastuti, PhD (Universitas Sebelas Maret)**

Agroforestry System as the Best Vegetation Management to Face Forest Degradation

**16:40-16:55 Cahyo Wisnu Rubiyanto, Master (Gifu University)**

Contribution of Forest Resources in Shifting Cultivation System to Livelihood Diversification in Mountain Villages of Northern Laos

**16:55-17:10 Zuhud Rozaki, PhD (Universitas Muhammadiyah Yogyakarta)**

Agroforestry Practice in Volcano Prone Area: Findings from Mount Merapi Indonesia

17:10-18:00 Break

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18:00-19:00 The 9th IC-GUI2 ROUNDTABLE 2021

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11<sup>th</sup> November, 2021

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12:00-13:20 KEYNOTE SPEECH 2

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**12:00-12:40 Atsuhiko Iio, Associate Professor  
Shizuoka University**

Masting Impact on Canopy Structure and Photosynthesis in Beech Forests  
Does Masting Perform as Gap?

**12:40-13:20 So Hanaoka, Chief of Breeding Laboratory  
Forestry and Forest Products Research Institute (Japan)**

Forest Tree Breeding in Hokkaido Japan

13:20-13:40 Break

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13:40-14:40 FOREST HYDROLOGY AND BIOGEOCHEMISTRY (Session 4)  
Chair: Associate Professor Takeo Onishi (Gifu University)

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**13:40-13:55 Siyu Chen, PhD (Nanning Normal University)**

Seasonal Variations of Dissolved Organic Carbon Concentrations and Fluxes in an  
Evergreen Broadleaved Subtropical Forest in Central Japan

**13:55-14:10 Taketo Uemura (Gifu University)**

Differences of Water and Material Dynamics between Coniferous Plantation and  
Deciduous Secondary Forest Watershed -Focusing on Dissolved Organic and  
Inorganic Carbon

**14:10-14:25 Dwi Priyo Ariyanto, PhD (Universitas Sebelas Maret)**

Estimating of Run off Using SCS-CM Model in Gunung Bromo Education Forest  
Discharging to Kalijirak River

**14:25-14:40 Edwina Zainal, PhD (Bung Hatta University)**

The Runoff and Sediment Response Due to Land Use Change in the Lubuk Paraku  
Sub-Watershed

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14:40-14:45 CLOSING REMARKS

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**14:40-14:45 Ken Hiramatsu, Professor  
Dean of the UGSAS-GU  
Gifu University**

14:45-15:00 Break

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15:00-17:15 UGSAS, GU & BWEL Joint Poster Session on Agricultural and Basin Water  
Environmental Sciences 2021 (Poster Session)

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