

Program

*Please note that there may be many sessions occurring simultaneously

Group A: Students' Actions in the Field of "Agriculture"

Sep. 20, Tuesday 9:00 AM (Japan time)

[Achieving Food Security through the Strategic Framework 'CRISIS' – Coming together, Research, Innovation, Sensitization, Implementation and Support]

Shimani Umesha Attygalle, *University of Peradeniya*

▶ <https://youtu.be/0NJ5KERPNpA>

[Analysis of replication proteins of the Maize chlorotic mottle virus in the yeast (*Saccharomyces cerevisiae*) replication system.]

Libia Fernanda Gómez-Trejo, *Chapingo Autonomous University*

▶ <https://youtu.be/PR5RFyfpsWg>

[Cobio: A Slow-Release Hydrogel Fertilizer from Organic Waste for Floriculture as Youth Innovations in Sustainable Agriculture]

Rio Kevin Marcello Alwi, *IPB University*

▶ <https://youtu.be/Gk0-xb5hTUY>

[The Challenges of Mountain Agriculture]

Madeline Lee Stuart, *The University of British Columbia*

▶ <https://youtu.be/i7q-uy4yJSs>

Group B: Students' Actions in the Field of "Food"

Sep. 20, Tuesday 9:00 AM (Japan time)

[Characterisation of capsaicinoids from capsicums, chillies and the greenhouse horticultural waste of these crops]

Mursleen Yasin, *Western Sydney University*

▶ <https://youtu.be/uGUSMDnvPdw>

[Using Starter Culture Technology for Improving Safety and Quality of Thua-Nao Kab (A Traditional Fermented Food in Thailand)]

Pinsawan Saisin, *Thammasat University*

▶ <https://youtu.be/LbluZKyP2tM>

[New and Safe Processed Foods in Cambodia]

Sorm Sokly, *Tokyo University of Agriculture*

▶ <https://youtu.be/HogHrM0hOLM>

Group C: Students' Actions in the Field of "Environment"

Sep. 20, Tuesday 10:30 AM (Japan time)

[Development of cultivation technology using plant growth-promoting bacteria for sustainable agricultural production]

Haruka Yamaguchi, *Tokyo University of Agriculture*

▶ <https://youtu.be/OgC-962EgNQ>

[Identification of Root Emitted Volatile Organic Compounds (VOCs) in Response to Phosphorous Deficiency in Tomato Plants]

Olumuyiwa Akintola Elliott, *Western Sydney University*

▶ <https://youtu.be/CtPL3B1JhRw>

[The implication in water quality within the Inland Bay of Lake Titicaca in relation to tourism immobility during the SARS-CoV-2 2019 pandemic]

Daniel, Antonio, Caballero, *La Molina National Agrarian University*

▶ <https://youtu.be/20jubDgXvBA>

[Changing climate and herbicide resistant weeds to sustainable agriculture]

Chetan Singh, *Chaudhary Charan Singh Haryana Agricultural University*

▶ <https://youtu.be/dbTrXDAOxz0>

Group D: Students' Actions in the Field of "Nutrition"

Sep. 21, Wednesday 9:00 AM (Japan time)

[Conserving Tank-based agriculture systems by establishing community-based climate-smart villages in Monaragala district of Sri Lanka.]

Saranga Dilhan Konara, *University of Peradeniya*

▶ https://youtu.be/wbqIGxCF8_k

[What is the capacity, role, and potential contribution of the youth to reduce carbon footprint and how this, as a collective action by the youth, can support sustainable development in France?]

Eléonore Catherine Alice Hamez, *UniLaSalle*

▶ <https://youtu.be/rIzvLXKvK7k>

[Climate Change, Nutri-Sensitive Agriculture and Youth Action to Eradicate Nutritional Vulnerabilities]

Bhavya Sandhu, *Chaudhary Charan Singh Haryana Agricultural University*

▶ <https://youtu.be/QRV2ojc2V78>

[Local Youth Actions on Global Problems]

Suraj Gaihre, *Agriculture and Forestry University, Nepal*

▶ <https://youtu.be/4iKwAk9Yiw>

Group E: Students' Actions in the Field of "Education"

Sep. 21, Wednesday 9:00 AM (Japan time)

[Effects of Different Packaging Materials on Postharvest Quality of Clorox-treated Tomatoes under Two Storage Temperatures]

Hnin Wut Yee Soe, *Yezin Agricultural University*

▶ <https://youtu.be/xHvEB1t4fGQ>

[Sustainable Meat-- Taiwanese Peoples' Attitude Toward Insect Food and Its Development]

Sing-Shan Wu, *National Chung Hsing University*

▶ <https://youtu.be/tdMuiwz9rnA>

[Urban Agriculture developed with college students in the city of Lima]

Jorge Victor Grandez, *La Molina National Agrarian University*

▶ <https://youtu.be/50VBa2l6xhQ>

Group F: Students' Actions in the Field of "Agriculture"

Sep. 20, Tuesday 16:00 PM (Japan time)

[Youth Involvement in Climate Adaptation: Moving Towards Sustainable and Food-Secure Future]

Cleana Shaine, Pulido, Salonga, *University of the Philippines Los Banos*

▶ https://youtu.be/O_Rh0_mpWsE

[Deficit irrigation strategy for vegetable production in a water scarce environment]

Richard Evarest Laizer, *Sokoine University of Agriculture*

▶ https://youtu.be/kVieg_wYAsM

[The Influence of Climate Change on Third and Fourth Trophic Levels Insects]

Chung-Han Cheng, *National Chung Hsing University*

▶ <https://youtu.be/usnZjZu2UtA>

[Improving the Quality of Environment by Adding Value to Coconut Waste]

Irene Akinyi, *Jomo Kenyatta University of Agriculture and Technology*

▶ <https://youtu.be/obCT2oLvUiU>

[MANIS (Lime Aroma Mask): Utilization of Limonene in Lime Peel to Become A Biodegradable Nanofiber Mask]

Brayen Ariel, *IPB University*

▶ <https://youtu.be/jDZiJd96fbY>

Group G: Students' Actions in the Field of "Food"

Sep. 21, Wednesday 16:00 PM (Japan time)

[Varietal Variations in the Characters of Mungbean (*Vigna radiata* (L.) Wilczek)]

Phyo Pa Pa Kyaw, *Yezin Agricultural University*

▶ https://youtu.be/X2D_K7HQevY

[Reduction of Greenhouse Gas Emissions through Food Waste Recycling]

Maryiano Keziah Anyango Awino, *Jomo Kenyatta University of Agriculture and Technology*

▶ <https://youtu.be/XH1slXcuJ1o>

[Bio-fertilizer production for sustainable Agriculture in Adaptation and Mitigation of Climate Change.]

Tito, Nicholaus, Suzuguye, *Sokoine University of Agriculture*

▶ <https://youtu.be/tPT82iWV8b8>

[Youth embark on providing knowledge in receiving the appropriate amount of nutrition.]

Anudari Ayanga, *Mongolian University of Life Sciences*

▶ <https://youtu.be/oNlvvAsdCJk>

[Renewal of small-sized urban sites for carbon neutrality – research on climate positive design]

Xiaoshu Lin, *Beijing Forestry University*

▶ <https://youtu.be/UlsSE-zpD7M>

Group H: Students' Actions in the Field of "Environment"

Sep. 20, Tuesday 17:30 PM (Japan time)

[Climate change and food security: the case of the fall armyworm *Spodoptera frugiperda*]

Pedro Vitor Matos Camargo, *University of São Paulo*

▶ https://youtu.be/kPoXzc7pr_E

[Potential of urban tree diversity in carbon stock enhancement and climate change mitigation]

Gladness, Edward Kishe, *Sokoine University of Agriculture*

▶ <https://youtu.be/CYPxTp4jsXE>

[Bioplastic made from banana peels]

Maiwenn Clech, *UniLaSalle*

▶ <https://youtu.be/Sxe7r6Fh6A0>

[Activity of youth in afforestation in Bosnia and Herzegovina]

Sreten Milutinovic, *University of East Sarajevo*

▶ <https://youtu.be/OIYXkFrQfRA>

[Greenhouse gas emission from agriculture: An outlook toward Net Zero emission in Vietnam]

Le Thi Dieu Linh, *Vietnam National University of Agriculture*

▶ <https://youtu.be/cioxA6haB2l>

Group I: Students' Actions in the Field of "Nutrition"

Sep. 20, Tuesday 17:30 PM (Japan time)

[Effects of Climate Smart Agriculture on Household Food Security among Small Scale Farmers in Kisumu West Sub-County]

Livingstone Onyango Ajwang, *Jomo Kenyatta University of Agriculture and Technology*

▶ <https://youtu.be/KMqBdGxpebA>

[Young farmers actions and innovations towards Climate Change adaptation and mitigation in dairy production in Middle Frankonia / Germany]

Matthias, Schneider, *University of Applied Sciences Weihenstephan-Triesdorf*

▶ <https://youtu.be/T45BlwQoNlw>

[Food Sustainability and Climate Change: Youth Involvement in Building Resilient Food System]

Winfrida Jilala Mihambo, *Sokoine University of Agriculture*

▶ <https://youtu.be/79amSfBEliE>

[Developing guidelines to use *Azolla microphylla* for manure nutrient sequestration]

Derrick Keith Thompson, *Thammasat University*

▶ <https://youtu.be/MD1OwNNSmrY>

Group J: Students' Actions in the Field of "Education"

Sep. 20, Tuesday 16:00 PM (Japan time)

[Development of *In Vitro* Protocol for Mass Propagation of *Christia vespertilionis*]

Ummu Qatrunnada Liyana Kamaruddin, *Universiti Putra Malaysia*

▶ <https://youtu.be/4elnNgZPW4w>

[No Need for Weeds: Herbicide Use in Michigan's Commodity Crops]

Hope Christina Thome, *Michigan State University*

▶ <https://youtu.be/xW7ntoRe-9o>

[MugKwentuhan Tayo (Let's Tell Stories)! A Podcast for Agricultural Awareness: A Project Initiated by AIESEC in UPLB]

Mariela Beatriz Responde Obciana, *University of the Philippines Los Banos*

▶ https://youtu.be/F1d1u_OfK3o

[Youth and Emission Trading: An Integrated Approach towards Climate Change and Sustainable Farming]

Julius Mwangi Kamita, *Jomo Kenyatta University of Agriculture and Technology*

▶ <https://youtu.be/lkORilzGV0k>

[Youth Readiness in Adaptation of Digital Technologies in Addressing Climatic Changes to Promote Sustainable Agriculture]

Anziran Ibrahim Msoke, *Sokoine University of Agriculture*

▶ <https://youtu.be/6VQ8COR0vil>

Group K: Students' Actions in the Field of "Agriculture"

Sep. 21, Wednesday 16:00 PM (Japan time)

[Influence of climate change on farmer-herder conflict complexities]

Martha Deogratias Hilary, *Sokoine University of Agriculture*

▶ <https://youtu.be/YhWWI3sQRrc>

[Empowering Vietnam Youth Engagement in Climate Change Mitigation through "Green Youth Labs" Project]

Thao Thu Le, *Vietnam National University of Agriculture*

▶ <https://youtu.be/RPQqONNB4-0>

[Evaluation of *Tithonia diversifolia* as a Nutrient Source in a Hydroponic System for Sustainable Vegetable Production]

Joseph Wafula Wanjala, *Jomo Kenyatta University of Agriculture and Technology*

▶ https://youtu.be/u0oZ0akGI_4

[Uptake of residential energy efficiency measures and renewable energy: Do spatial factors matter?]

Nienke van Twillert, *Wageningen University and Research*

▶ <https://youtu.be/KteJPYKcM4o>

[Assessment of low-cost hydroponic farming in rural communities for adaptation of climate change]

Antonio Perez Fuentes, *Tokyo University of Agriculture*

▶ <https://youtu.be/3Q1CEXHvofg>

Group L: Students' Actions in the Field of "Environment"

Sep. 21, Wednesday 17:30 PM (Japan time)

[Is there a difference in carbon stock between conifer and broadleaved tree species?]

Tristan, Edward Wesley, Burrow, *University of the Highlands and Islands*

▶ <https://youtu.be/51NUwbNwdP4>

[Assessment of Climate Change Adaptation Activities in Local Community (A case study of Manahari Rural Municipality, Nepal)]

Barsha Lama, *Agriculture and Forestry University, Nepal*

▶ https://youtu.be/4_aCkA8Uluo

[Promotion of Sustainable Agriculture in Smallholder Farmers by curbing Climate Change through Integrated Pest Management (IPM)]

Faith Wariara Mwiruri, *Jomo Kenyatta University of Agriculture and Technology*

▶ <https://youtu.be/jfyayWyH12Q>

[Exploration of Potential Bacteria Consortium for Biofertilizer Microorganism-based Formulation]

Novitasari, Istiani, *Tokyo University of Agriculture*

▶ <https://youtu.be/nr2b3VRrXyY>

Voices from Next Generation

High School Students' Presentations

- 1 **【Food self-sufficiency】**
Haruna Aoki, Manaka Sakai, Ririko Fukumasa
The First High School, Tokyo University of Agriculture
▶ <https://youtu.be/11dLqNb20KQ>
- 2 **【What we can do now to prevent the extinction of living things】**
Shogo Sekiguchi, Kazuya Tsuruta, Kanaru Shimizu, Haruto Kitajima, Soshu Ikeda
The Second High School, Tokyo University of Agriculture
▶ <https://youtu.be/7BawWGlznz4>
- 3 **【Ecotourism ~ Why don't we go on travel while taking environment into consideration? ~】**
Kurumi Horie, Noa Sato, Takeru Ogino, Saika Mimura, Kotaro Takano
The Second High School, Tokyo University of Agriculture
▶ <https://youtu.be/pBXRQIbQBJM>
- 4 **【Our Enthusiasm for Global Forest Conservation】**
Kiko Masaki, Misaki Yoshino, Mahiro Akuzawa, Mao Ono, Tomoaki Uchino, Hayato Kubo, Noa Umezawa
The Third High School, Tokyo University of Agriculture
▶ https://youtu.be/qiXHJpx_I0k
- 5 **【Utilization of used body warmers as fertilizer: compared to iron nails】**
Kanori Nagakura
Senior High School at Sakado, University of Tsukuba (1)
▶ https://youtu.be/jiy5MsZi_Ow
- 6 **【Chronological Changes in weed vegetation on our school campus: compared to a survey 7 years ago】**
Keita Sekiguchi
Senior High School at Sakado, University of Tsukuba (2)
▶ <https://youtu.be/XlbfBsjOk2g>

Message from Elementary School Students

【We are the students of Toka Elementary School!】
Toka Elementary School, Tokyo University of Agriculture
▶ <https://youtu.be/CyZlzkL-ARE>