30 January 2022

CURRICULUM VITAE

Name: **Sayuri TERAMOTO**

Nationality: Japan

Date of Birth: 18 June 1966

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Languages: Fluent in Japanese/English, limited in français and español

Educational History

2008-2011 Ph. D (Agriculture), The United Graduate School of Agricultural Sciences, Kagoshima University (Horticulture/Plant Genetic Resources)

1985-1989 B. A. (Agriculture), Tottori University (Horticulture)

Professional History

- ***Jan 2022 -*** Associate Professor for the Climate-smart Collaboration Project, Tottori University International Platform for Dryland Research and Education, Tottori, Japan
- ***Oct 2021 - Dec 2021 (Contracted)*** Secretariat of the International Conference on Globally Important Agricultural Heritage Systems 2021 Noto, Ishikawa Japan
- ***Jun 2019 – Jun 2021 (Contracted)*** Chief Advisor, Horticultural Expert, Integrated Horticulture Promotion Project in the west-central region of Bhutan (Wangdue, Punakha, Gasa, Tsirang and Dagana Dzongkhags)
- ***2017- 2019 (Contracted)*** Horticulture/agronomy technical advisor, Smallholders Horticulture Production Enhancement Project, JICA Technical Cooperation Project (Duty place: Addis Ababa, targeted both in Oromia and Amhara regions)
- ***2015 – 2017 (Contracted)*** Agricultural Project Formulation Advisor of Japan International Cooperation Agency(JICA) Ethiopia Office (Duty place: Addis Ababa, Ethiopia)
- ***2012-2014 (Contracted)*** Chief Advisor, Japan International Cooperation Agency (JICA; a technical and research cooperation project) and assistant professor of University of the Ryukyus (Duty place: Gaborone, Botswana)
- ***2011-2012 (Contracted)*** P-3 Agricultural Officer, Secretariat of International Plant Protection Convention (IPPC), FAO-HQ(Rome, Italy)

- ***2003-2009 (Founder):*** Director, OPA Co., Ltd. (Okinawa, Japan)
- ***1997-2003 (Permanent):*** Director, EM Research Organization Inc. (Okinawa, Japan)
- ***1989-1997 (Permanent)***: Horticultural crop breeding and molecular biology researcher, Ministry of Agriculture, Forestry and Fisheries. (Ibaraki and Morioka, Japan)

Additional Skills and Experiences

- Agronomy and crop production focusing on photosynthesis efficiency
- Utilization of non-utilized wild genetic resources and organic residues on-site
- Agroforestry, tree protection techniques as a certified Tree Doctor (Certified by Japan Greenery Research Development Center)
- Organic and biodiversity agriculture development and technical advisory
- Nutrition (crop/human/animal) and medical herb expert
- Value addition based small scale processing development and improvement
- Impact assessments, statistics-based, parametric and non-parametric
- Agro-project and business planning with income/cost analysis, PDM, and PDCA
- Organic waste management and focused on non-utilized materials
- Climate-smart focused organic agriculture, including integrated farming and planning/creating a site-specific system
- Agri-microbes utilization and the fermentation process improvement
- Soil fertility management, integrated soil management, and SLM (Sustainable Land Management)
- Public relation, exhibition/conference planning, and management
- Donor coordination, negotiation and project funding coordination, and formulation

Computer skills

Excellent in basic software (Word, Excel, PowerPoint, Access, Acrobat)
Google platform applications (sheet, form, etc.), all online meeting applications

Publications: (available the detailed list on request)

22 Original research papers, 36 books/reports/proceedings

Contact list of reference (personal details available on request)

- Mr. Yukio Yokoi (Former FAO IPPC Secretary)

- Prof. Dr. Masashi Yamamoto (Kagoshima Univ., JPN)
- Mr. Toshihiro Saito (NARO)
- Mr. Tomohiro Azegami (JICA)

LIST OF PUBLICATIONS

Sayuri TERAMOTO

1. Original Scientific Papers (with referees) **In Japanese with English summary ** In Japanese*

1. Investigation and Preservation of Local Citrus Genetic Resources Grown on the Islands belongs to Kagoshima and Okinawa Prefecture. 2021. Bull. Exp. Farm. Fac. Agr. Kagoshima Univ. 42:7-15.*
2. Environmental evaluation with greenhouse gas emissions and absorption based on life cycle assessment for a Jatropha cultivation system in frost and drought prone regions in Botswana. 2018. Biomass and Bioenergy. 110: 33-40.
3. The bergamot aroma of local Citrus "Shiikuu (*Citrus* Spp.)" originated from Kikai Island of Kagoshima prefecture, Japan: Analysis of essential oil characteristics and genetic background*. 2017. Horticultural Research Japan. 16(3): 239-248.
4. Diversity of *Citrus depressa* Hayata revealed by DNA analysis. 2017. Genetic Resources and Crop Evolution. 64(4): 805-814.
5. Origin of *Citrus tachibana* in Japan.**. 2016. Ocean Newsletter No.387 published from Sasakawa Foundation
6. Characterization of chloroplast *matK* sequences of *Citrus tachibana* and *Citrus depressa*, two indigenous spices in Japan. 2014. Advances in Horticultural Science. 28(2): 95-99.
7. Diurnal regulation of photosynthesis in Jatropha curcas under drought during summer in a semi-arid region. 2014. Biomass and Bioenergy. 67:279-287.
8. Production approaches to establish effective cultivation methods for Jatropha (*Jatropha curcas* L.) under cold and semi-arid climate conditions. 2013. International Journal of Agronomy and Plant Production. 4(S):3804-3815.
9. Diversity of chloroplast DNA in various Mandarins (*Citrus* spp.) and other Citrus demonstrated by CAPS analysis. 2013. Journal of the Japan Society for Horticultural Science. 82(2):106-113.
10. Volatile Aroma Components and Antioxidant Activities of the Flavedo Peel Extract of Unripe Shiikuwasha (*Citrus depressa* Hayata). 2012. Journal of Food Science. 77(4):C469-C475.
11. The composition of volatile aroma components, flavanones and polymethoxyflavones in Shiikuwasha (*Citrus depressa* Hayata) peels of different cultivation lines. 2012. J. Agric. Food Chem. 60 (32):7973-7980.
12. Effects of Short-Day Treatment on Leaf Emergence Rate and its Turning Point among Several Cultivar of Rice*. 2012. Japanese Journal of Crop Science. 81(3):299-308
13. Polymethoxyflavones, Synephrine and Volatile Constitutions of Peels of Citrus fruit grown in Okinawa. 2011. J. Jpn. Soc. for Hort. Sci. 80: 214-224.
14. Studies on *Citrus* genetic resources in the Ryukyu Islands*. 2011. Doctoral Thesis. The United Graduate School of Agricultural Sciences, Kagoshima University.
15. Effects of Different Extraction Methods on Aromatic Composition of Essential oils of *Citrus keraji* hort. ex Tanaka 'Kabuchii'. 2010. Tropical Agriculture and Development. 54: 25-32.
16. Local *Citrus* Genetic Resources and Its Polymethoxyflavones Content in Northern Part of Okinawa Island*. 2010. Horticultural Research. 9: 263-271.
17. Introduction of Fruit Tree Genetic Resources (1973-1995)*. 2001. Bull. Natl. Inst. Fruit Tree Sci. Vol. 36: p.

1-152.

18. Conservation System of Fruit Genetic Resources and Released Cultivars from Fruit Tree Research Station in Japan. 1994. Fruit Varieties journal. 48: 73-80.
19. DNA Finger-Printing' to Distinguish Cultivar and Parental Relation of Japanese Pear*. 1994. Horticultural Research. 63: 17-21.
20. Inheritance of Intermediate Resistance to Black Spot Disease in an Induced Japanese Pear Mutant, 'Gold Nijisseiki '. 1994. Journal Japanese Society of Horticultural Sciences. 62: 689 - 693.
21. Role of Sucrose Synthetase and Other Related Enzymes in Sucrose Accumulation in Peach Fruit. 1991. J. Japan. Soc. Hort. Sci. 60: 531-538.
22. The variation of cytokinin content in Japanese pear fruits**. 1989. BA Thesis. Tottori University.

2. Reports, Book chapter and Proceedings

1. "Bokashi" fermented organic fertilizer. Aug 2021. Amazon Publishing (3rd edition of How to make fermented organic fertilizer "Bokashi")
2. Fruit Growers Training – ROP Implementation Guidebook. 2021 Apr. Ministry of Agriculture and Forest, JICA 2016-2021 Bhutan.
3. Impact Assessment Report (JICA IHPP Project) Apr 2021.
4. Holistic Plant Physiology - Basics for Horticultural Production -**. 2018. Amazon Publishing.
5. Domestic and International Market Potential of Eri. Eri Silk Production in Ethiopia 2016. P 83-109. Editor in chief, Proceedings of the workshop supported by JICA, Ministry of Livestock, ICIPE.
6. Jatropha cultivation manual in Botswana – A guideline for researchers and technicians -. 2014. Information-based Optimization of Jatropha Biomass Energy Production in the Frost-and Drought-prone Regions of Botswana Project. P1 – 53.
7. Diurnal photosynthesis in Jatropha (*Jatropha curcas* L.) during winter in subtropics and semi-arid region. 2013. Jatropha Research/Production in Southern Africa. 1st Jatropha symposium in Botswana. P43.
8. The possibilities of using plant growth regulators on Jatropha (*Jatropha curcas* L.) cultivation. 2013. Jatropha Research/Production in Southern Africa. 1st Jatropha symposium in Botswana. P44.
9. The propagation of Jatropha (*Jatropha curcas* L.) utilizing plant growth regulator. 2013. Jatropha Research/Production in Southern Africa. 1st Jatropha symposium in Botswana. P45.
10. Possibilities of PGR application on *Jatropha curcas* L.**. 2013. Poster presentation on Okinawa Agriculture Research Society.
11. Detoxification of the residue of squeezing jatropha oil with carbonization. UK Biochar 2011. 3rd Annual Conference, Edinburgh, UK.
12. Study on utilization and detoxication residue in *Jatropha crucas**. 2011. J. Crop Sci. Extra 231: 358-359.
13. Effects of short day treatment on leaf emergence rate and turning point of leaf emergence rate on rice cultivar*. 2011. Jpn. J. Crop Sci. Extra 230: 24-25.
14. Turning point of leaf emergence rate of rice and dry matter partitioning*. 2011. Jpn. J. Crop Sci. Extra 231: 174-175.
15. Marketing of New Aroma-Functional Beverage with Healing effect from Okinawa *Citrus* fruits** . 2011. The Report of Rural Technology Activation and Upgrading Support Project in Okinawa. Okinawa Science and

Technology Promotion Center. p. 22-28.

16. The local Genetic Resources of Shiikuwasha (*C. depressa* Hayata); Functional Components of Kuganii Cultivated in Okinawa Island*. 2010. J. of Okinawa Agri. 44(1): 73-81.
17. The possibility and development of Okinawa Citrus fruits**. 2010. Symposium on Okinawa Science and Technology Promotion Center.
18. Marketing of New Aroma-Functional Beverage with Healing effect from Okinawa *Citrus* fruits**. 2010. The Report of Rural Technology Activation and Upgrading Support Project in Okinawa. Okinawa Science and Technology Promotion Center. p. 22-28.
19. Local Genetic Resources in Sakishima Islands and Northern Okinawa Island*. 2010. Hort. Res. (Jpn.) Vol. 9 Extra 1: p. 48.
20. Diversity of Chloroplast DNA in *Citrus***. 2010. Hort. Res. (Jpn.) Vol. 9 Extra 1: p. 47.
21. New Aromatic Citrus Resources in the Ryukyu Islands. 2010. International Horticultural Congress in Lisbon. Abstract Vol.1. p78.
22. The possibilities of utilization wastes from Citrus processing factories in Okinawa**. 2009. Innovation forum in Okinawa prefecture.
23. Functional Constitutions of *Citrus* Species Cultivated in Okinawa**. 2009. Hort. Res. (Jpn.) Vol. 8 Extra 2: p. 360.
24. The Comparison of the Aromatic Constituents of Local *Citrus* Accessions in Northern Part of Okinawa Island**. 2009. Res. Trop. Agric. Vol. 2 Extra 2: p. 51-52.
25. The Biomass Production of Edible Canna under Jahgaru Soil of Okinawa Islands**. 2009. Res. Trop. Agric. Vol. 2 Extra 1: p. 21-22.
26. Edible Canna; The Possibility as an Energy Crop in Okinawa Islands**. 2008. Res. Trop. Agric. Vol.1. Extra 2: p. 39-40.
27. Medical Plants in Okinawa**. 2008. Green Flask Online School Report. p. 8-38.
28. Cherimoya and Atemoya**. 1995. Green Report Vol. 237. P.4-5
29. Exploration and Collection Activities in Abroad 19 (Kazakhstan, Tajikistan and other countries)**. 1994. Nougyou oyobi Engei. Vol.68: p. 1140-1146.
30. "DNA Finger Printing" Can Distinguish Cultivar of Japanese Pear. 1993. Techniques on Gene Diagnosis and Breeding in Fruit Trees. p. 74-76.
31. Genetic analysis using 'DNA Fingerprinting' in Japanese Pear**. 1992. The Society for the study of Species Biology. Vol. 16: p. 37-40.
32. Genetical Studies on Fruit Texture of Peach. 1994. 24th Int. Hort. Congress (Kyoto, Japan).
33. Exploration of fruit genetic resources in Central Asia, and evaluation of the apple accessions. 1994. 24th Int. Hort. Congress. (Kyoto, Japan)
34. DNA-markers for peach breeding. 1994. 24th Int. Hort. Congress. (Kyoto, Japan)
35. Exploration of fruit genetic Resources in Central Asia, and evaluation of the apple accessions. 1994. 24th Int. Hort. Congress. (Kyoto, Japan)
36. Research Report; The finger printing method for identification on Japanese pear cultivars**. 1991. Ministry of Agriculture, Forestry and Fisheries