

4. Presentations （講演資料）  
4.2. Handouts of presentations in English 英語講演資料（2024.1現在）

講演日 Date	演題 Title	イベント名 Event	主催者 Organizer	開催地 Place	URL（リポジトリ） URL (repository)
2023/6/10	The future of smart plant factory with artificial lighting (PFAL)	2023 International Forum on Bio-Optics and Smart Agriculture Industry	IUA-CAAS, ISHS, National Agricultural Science & Technology Center	Guangzhou, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121966/">https://opac.ll.chiba-u.jp/da/curator/900121966/</a>
2023/5/23	Environmental design and management principles of sustainable plant factories with artificial lighting (PFALs)	The 2nd International Workshop on Vertical Farming (VertiFarm2023)	The Institute of Urban Agriculture, Chinese Academy of Agricultural Sciences	Chengdu, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121965/">https://opac.ll.chiba-u.jp/da/curator/900121965/</a>
2022/12/10	Design principles of sustainable plant factories with artificial lighting (PFALs)	The 9th International Conference on Botany (CB 2022)	Sanya, China	Online	<a href="https://opac.ll.chiba-u.jp/da/curator/900121964/">https://opac.ll.chiba-u.jp/da/curator/900121964/</a>
2022/12/2	Toward Carbon-negative plant factories with artificial lighting (PFALs)	2022 3rd International Symposium on Water, Ecology and Environment	Beijing Jiaotong University	Online	<a href="https://opac.ll.chiba-u.jp/da/curator/900121226/">https://opac.ll.chiba-u.jp/da/curator/900121226/</a>
2022/1/10	The Status and Prospects of Plant Factories and Artificial Lighting in Japan	World Plant Factory Light Environment Industry Forum	Shenzhen Lighting and Display Engineering Industry Association	Online	<a href="https://opac.ll.chiba-u.jp/da/curator/900121963/">https://opac.ll.chiba-u.jp/da/curator/900121963/</a>
2021/11/18	Steps toward sustainable plant factories with artificial lighting (PFALs)	International Symposium on Efficient Production of Value-added Plants	China Agricultural University, Japan Plant Factory Association	Hangzhou, China	

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2021/9/21	Sustainable plant factories with artificial lighting (PFALs) - Reaching the SDGs and beyond -	Japan Plant Factory Association 10th Anniversary Fest - 10 years of progress, and achieving the SDGs and beyond -	Japan Plant Factory Association	Kashiwanoha, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121962/">https://opac.ll.chiba-u.jp/da/curator/900121962/</a>
2021/5/20	Plant factory with artificial lighting (PFAL) : Its significance	International Top-level Forum on Engineering Science and Technology Strategy-Agricultural Sensors & International Conference on Intelligent Agriculture (ICIA2021)	Chinese Academy of Engineering and World Intelligence Congress Committee	Tianjin, Chia, Participation by Internet (Zoom)	<a href="https://opac.ll.chiba-u.jp/da/curator/900121225/">https://opac.ll.chiba-u.jp/da/curator/900121225/</a>
2021/4/19	Methodology for diverse applications of plant factories with artificial lighting (PFALs) for diverse and inclusive societies	2021 High-level International Forum on Protected Horticulture	CAAS (Chinese Academy of Agricultural Sciences)	Shouguang, China, Web participation	<a href="https://opac.ll.chiba-u.jp/da/curator/900121224/">https://opac.ll.chiba-u.jp/da/curator/900121224/</a>
2020/12/25	Modelling, simulation and AI technologies for plant factories with artificial lighting (PFALs)	International meeting on high yield and highly efficient production in facility horticulture	China Agricultral University, JPFA	Beijing, China, Web Participation	<a href="https://opac.ll.chiba-u.jp/da/curator/900121223/">https://opac.ll.chiba-u.jp/da/curator/900121223/</a>
2020/12/16	Plant Factories with Artificial Lighting (PFAL) for Sustainable Agriculture	AHC2020 III Asian Horticultural Congress	ISHS/HSST and others	Bangkok, Thailand, Web Participation	<a href="https://opac.ll.chiba-u.jp/da/curator/900121222/">https://opac.ll.chiba-u.jp/da/curator/900121222/</a>
2020/10/8	Principles, Structure and Environmental Control of A Plant Factory with Artificial Lighting	JPFA's Online Introductory Training course on Plant Factories with artificial lighting	JPFA	Kashiwanoha Campus, Chiba, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121221/">https://opac.ll.chiba-u.jp/da/curator/900121221/</a>
2020/10/8	Forthcoming technologies	JPFA's Online Introductory Training course on Plant Factories with artificial lighting	JPFA	Kashiwanoha Campus, Chiba, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121220/">https://opac.ll.chiba-u.jp/da/curator/900121220/</a>

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2019/7/17	Global Trends, Principle, Concept and Technologies of Plant Factory with Artificial Lighting (PFAL)	JPFA's Online Introductory Training course on Plant Factories with artificial lighting	JPFA	Kashiwanoha Campus, Chiba, Japan	
2019/8/28	Perspective of Sustainable Plant Factories with Artificial Lighting (PFALs)	2019 International Symposium on Environment Control Technology for Value-added Plant Production	China Agricultral University	Huwan Hotel in Hot Spring Leisure City, Beijing, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121219/">https://opac.ll.chiba-u.jp/da/curator/900121219/</a>
2019/3/26	Global perspective of plant factory with artificial light (PFAL) for sustainable modern agriculture	International Symposium on Plant Factory: A Revolution for Sustainable Modern Agriculture	BIOTEC	BIOTEC, Bangkok, Thailand	<a href="https://opac.ll.chiba-u.jp/da/curator/900121218/">https://opac.ll.chiba-u.jp/da/curator/900121218/</a>
2019/1/15	Opportunities and Challenges for Plant Factory with Artificial lighting (PFAL)	International Symposium on Smart Plant Factory	Seoul National University	Seoul National University, Korea	<a href="https://opac.ll.chiba-u.jp/da/curator/900121217/">https://opac.ll.chiba-u.jp/da/curator/900121217/</a>
2018/11/29	3) Challenges for sustainable plant factories with LED lighting	International Symposium on Environmental Control in Plant Cultivation	Maejo University	Bangkok, Thailand	<a href="https://opac.ll.chiba-u.jp/da/curator/900121216/">https://opac.ll.chiba-u.jp/da/curator/900121216/</a>
2018/11/29	2) Design and Operation of LED Lighting System for Plant Factory with artificial lighting (PFAL)	International Symposium on Environmental Control in Plant Cultivation	Maejo University	Bangkok, Thailand	<a href="https://opac.ll.chiba-u.jp/da/curator/900121215/">https://opac.ll.chiba-u.jp/da/curator/900121215/</a>
2018/11/29	1) Basics, Principle, Structure and Environmental Control of Plant Factory with Artificial Lighting	International Symposium on Environmental Control in Plant Cultivation	Maejo University	Maejo University, Chiangmai, Thailand	<a href="https://opac.ll.chiba-u.jp/da/curator/900121214/">https://opac.ll.chiba-u.jp/da/curator/900121214/</a>

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2018/10/25	Challenges for plant factory with LED lighting	15th China International Forum on Solid State Lighting (SSLCHINA 2018)	China Solid State Lighting Alliance	Shenzhen, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121213/">https://opac.ll.chiba-u.jp/da/curator/900121213/</a>
2018/10/13	Challenges and opportunities for the next generation plant factories with artificial lighting (PFAL)	The second international symposium on plant factory China National Intelligent Plant Factory Innovation Alliance	CAAS (Chinese Academy of Agricultural Sciences)	Chengdu, China	
2018/8/15	Towards Sustainable Smart Plant Factories with LEDs, Artificial Intelligence and Phenotyping	International Horticultural Congress 2018	ISHS	Istanbul, Turkey	<a href="https://opac.ll.chiba-u.jp/da/curator/900121212/">https://opac.ll.chiba-u.jp/da/curator/900121212/</a>
2018/6/12	The present and future of plant factories with artificial lighting (PFALs)	2018 Shanghai international indoor plant factory symposium	SAAS (Shanghai Academy of Agricultural Sciences)	Shanghai China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121211/">https://opac.ll.chiba-u.jp/da/curator/900121211/</a>
2018/4/22	Smart Plant Factories : LEDs, Artificial Intelligence and Phenotyping	2018 International Forum on Protected Horticulture	CAAS (Chinese Academy of Agricultural Sciences)	Shouguang, China,	<a href="https://opac.ll.chiba-u.jp/da/curator/900121210/">https://opac.ll.chiba-u.jp/da/curator/900121210/</a>
2018/1/26	Plant Factory for Next Generation	CU-MU Joint Symposium 2018	Mahidol University	Bangkok, Thailand	<a href="https://opac.ll.chiba-u.jp/da/curator/900121209/">https://opac.ll.chiba-u.jp/da/curator/900121209/</a>
2018/1/24	Introduction to Plant Factory : Plant Factory with Artificial Lighting (PFAL)	Plant Factory Symposium	BIOTEC	Bangkok, Thailand	<a href="https://opac.ll.chiba-u.jp/da/curator/900121208/">https://opac.ll.chiba-u.jp/da/curator/900121208/</a>

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2017/11/22	Smart Plant Factories and Greenhouses : Will dreams become reality?	China Green Week	Hort China	Shanghai China	
2017/11/7	Closed Environment agriculture with emphasis on Plant Factory with Artificial Lighting (PFAL)	Asian Forum on SMART Agriculture: Futuristic Technologies for Sustainable Farming	APO	Nakhon Ratchasima, Thailand	<a href="https://opac.ll.chiba-u.jp/da/curator/900121207/">https://opac.ll.chiba-u.jp/da/curator/900121207/</a>
2017/9/10	Smart Plant Factory with LED Lighting	2017 International Forum on Food Safety and Intelligent Plant Factory	Fudan University, National Plant Factory Innovation Alliance;	Shanghai, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121206/">https://opac.ll.chiba-u.jp/da/curator/900121206/</a>
2017/9/7	Closed Environment agriculture with emphasis on Plant Factory with Artificial Lighting (PFAL)	Study tour at JPFA (APO)	Asian Productivity Organization	Kashiwanoha Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121205/">https://opac.ll.chiba-u.jp/da/curator/900121205/</a>
2017/8/23	Smart Plant Factory with LED Lighting	Greensys 2017 : International Symposium on New Technologies for Environment Control, Energy-Saving and Crop Production in Greenhouse and Plant Factory	ISHS, CH, CPC(Comission Protected Cultivation)	Beijing, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121204/">https://opac.ll.chiba-u.jp/da/curator/900121204/</a>
2017/8/13	Smart Plant Factories : Challenges and Opportunities	International Conference on Intelligent Agriculture	China National Engineering Research Center for Information Technology in Agriculture (NERCITA), China Agricultural University (CAU)	Changchun, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121203/">https://opac.ll.chiba-u.jp/da/curator/900121203/</a>
2017/7/24	Smart Plant Factory with LED Lighting	XIX International Botanical Congress, Shenzhen, China	International Association of Botanical and Mycological Societies (IABMS)	Shenzhen, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121202/">https://opac.ll.chiba-u.jp/da/curator/900121202/</a>

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2017/7/19	Current status of Plant Factory with Artificial Lighting (PFALs) in the world	Study tour at JPFA (Khon Kaen Univ.)	JPFA	Kashiwanoha Japan	
2017/7/5	Value-Added Plant Production under Controlled Environment : Efficient Use of Closed Plant Production System (CPPS) with LEDs	2018 Int. Sym. on Environment Control 2017 Technology for Value-added Plant Production (ECTV2017)	China Agricultral University	CAU International Conference Centrer, Beijing , China	
2017/6/20	Plant Factory with Artificial Lighting (PFAL)	Study tour at JPFA	JPFA (Japan Plant Factory Association)	Kashiwanoha Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121201/">https://opac.ll.chiba-u.jp/da/curator/900121201/</a>
2017/6/11	LED Lighting for Urban Agriculture : Efficient Use of Closed Plant Production System (CPPS) with LEDs	Think Light Forum, Guangzhou International Lighting Exhibition	Guangdong International Lighting Exhibition	Guangzhou, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121200/">https://opac.ll.chiba-u.jp/da/curator/900121200/</a>
2017/5/30	Photoautotrophic (sugar-free medium) micropropagation : its principle and application			Shanghai, China	
2017/5/17	LED Lighting for Urban Agriculture : Efficient Use of Closed Plant Production System (CPPS) with LEDs	2nd International Conference on Controlled Environment Agriculture (ICCEA 2017)	ICCEA	Panama City	<a href="https://opac.ll.chiba-u.jp/da/curator/900121199/">https://opac.ll.chiba-u.jp/da/curator/900121199/</a>
2017/4/24	Value-Added Plant Production under Controlled Environment : Efficient Use of Closed Plant Production System (CPPS) with LEDs	2017 International Symposium On Environment Control 2017 Technology for Value-added Plant Production (ECTV2017)	China Agricultural University	CAU International Conference Centrer, Beijing , China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121198/">https://opac.ll.chiba-u.jp/da/curator/900121198/</a>

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2017/3/19	Photoautotrophic (sugar-free medium) micropropagation : its principle and application			Shanghai, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121197/">https://opac.ll.chiba-u.jp/da/curator/900121197/</a>
2017/1/24-25	An Academic Perspective on Progress of Indoor Farming	2nd Indoor AgCon Asia	AgCon Asia	Cassia Ballroom, Marina Bay Sands, Singapore	
2017/1/21	New Technology used in Plant Factory	Special seminar on plant factory	Fujian Sanan Sino-Science Photobiotech Co. Ltd	Xiamen, China	
2016/11/29	LED Lighting and the next generation plant factory	East Meets West: Joining Forces in Ag Tech & Controlled Environment Agriculture		Salinas, California, USA	<a href="https://opac.ll.chiba-u.jp/da/curator/900121196/">https://opac.ll.chiba-u.jp/da/curator/900121196/</a>
2016/11/16	Plant Factory with LED Lighting : Its opportunities and challenges	14th China International Forum on Solid State Lighting		Beijing International Convention Center, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121195/">https://opac.ll.chiba-u.jp/da/curator/900121195/</a>
2016/11/14	Plant Factory with LED Lighting : Present status and perspectives	2016 High-level Forum on Plant Factory	Institute of Environment and Sustainable Development in Agriculture (IEDA)	Beijing , China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121194/">https://opac.ll.chiba-u.jp/da/curator/900121194/</a>
2016/10/12	Plant Factory : A Model for Agro Industry Innovation	International Conference on Innovations and Applications of New Technologies to Improve Productivity	APO	Colombo, Sri Lanka The Covanro Courtesy	<a href="https://opac.ll.chiba-u.jp/da/curator/900121193/">https://opac.ll.chiba-u.jp/da/curator/900121193/</a>



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2016/7/25	Landless Farming : The Plant Factory Model	Advanced Agribusiness Management Course for Executives and Managers	APO	Holiday Inn Bangkok, Silom, Thailand	<a href="https://opac.ll.chiba-u.jp/da/curator/900121192/">https://opac.ll.chiba-u.jp/da/curator/900121192/</a>
2016/6/26	Perspectives and challenges of plant factories with artificial lighting	China Fragrance Industry Research Conference	China Fragrance Industry Research Institute	Hubei Province, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121191/">https://opac.ll.chiba-u.jp/da/curator/900121191/</a>
2016/6/15	Challenges for the Development of PFAL industry and Recent Research in Japan	The 5th International Plant Factory & Agriculture Facilities Exposition	Taiwan Plant Factory Association	TWTC Nangan Exhibition Hall, Taipei, Taiwan,	<a href="https://opac.ll.chiba-u.jp/da/curator/900121190/">https://opac.ll.chiba-u.jp/da/curator/900121190/</a>
2016/6/7	Role of Plant Factory with Artificial Lighting (PFAL) for sustainable society	Multicountry Observational Study Mission on Agricultural Innovation in Japan to Increase Productivity	APO	Kashiwanoha Campus, Chiba University, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121189/">https://opac.ll.chiba-u.jp/da/curator/900121189/</a>
2016/3/23	Application and commercialization of LEDs in plant factories and greenhouses	International Conference on Semiconductors	Chinese Academy of Sciences, Institute of Semiconductors	Beijing, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121188/">https://opac.ll.chiba-u.jp/da/curator/900121188/</a>
2016/1/21	Pant Factories with Artificial Lighting (PFAL) for the future towards sustainable societies	Special Seminar : Climate Democracy : 世界のための植物工場	Chiba University	Seeds Hall, Chiba University	<a href="https://opac.ll.chiba-u.jp/da/curator/900121187/">https://opac.ll.chiba-u.jp/da/curator/900121187/</a>
2016/1/21	Overview of Plant Factory with Artificial Light (PFAL) : Past, present and future	Climate Democracy : 世界のための植物工場	Chiba University	Seeds Hall, Chiba University	<a href="https://opac.ll.chiba-u.jp/da/curator/900121186/">https://opac.ll.chiba-u.jp/da/curator/900121186/</a>



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2016/1/18	Role of Plant Factory with Artificial Lighting (PFAL) for Next Generation : Improvement and innovation toward the sustainable planet	International Symposium on Role and Contribution of Vertical Farming to Urban Agriculture and Future Life	Institute of Plant Science & Biotechnology Research Institute of Agriculture & Life Sciences, Seoul National University	Seoul National University, Korea	<a href="https://opac.ll.chiba-u.jp/da/curator/900121185/">https://opac.ll.chiba-u.jp/da/curator/900121185/</a>
2016/1/18	Overview of Pant Factories with Artificial Lighting (PFAL) : Improvement and innovation towards sustainable societies	Indoor Ag-Con Asia	Indoor Ag-Con	Microsoft Center, Singapore	<a href="https://opac.ll.chiba-u.jp/da/curator/900121184/">https://opac.ll.chiba-u.jp/da/curator/900121184/</a>
2015/12/17-19	Transplant Production using Closed Systems with artificial lighting and its Commercial Application(1) : Its concept and commercial application	International Workshop on Controlled Environment Transplant Production (CETP)	CETP	Tainan, Taiwan,	
2015/12/2	Plant Factories with Artificial Lighting : Opportunities and Challenges	National Conference on Enhancing the Role of Mass Media Practitioners in Knowledge Transfer to Improve Agricultural Productivity and Farmers' Welfare	APO, NPEDC LCCI	Kathmandu, Nepal	<a href="https://opac.ll.chiba-u.jp/da/curator/900121183/">https://opac.ll.chiba-u.jp/da/curator/900121183/</a>
2015/12/1	Towards Technological Innovations in Agriculture	National Conference on Enhancing the Role of Mass Media Practitioners in Knowledge Transfer to Improve Agricultural Productivity and Farmers' Welfare	Asian Productivity Organization	Kathmandu, Nepal	<a href="https://opac.ll.chiba-u.jp/da/curator/900121182/">https://opac.ll.chiba-u.jp/da/curator/900121182/</a>
2015/11/26	Role of Plant Factory with Artificial Lighting (PFAL) for Next Generation : Improvement and innovation toward the sustainable planet	International Symposium on Role and Contribution of Vertical Farming to Urban Agriculture and Future Life : Institute of Plant Science & Biotechnology Research Institute of Agriculture & Life Sciences	Seoul National University	Seoul, Korea	
2015/9/21	Towards Technological Innovations in Agriculture	National Conference on Enhancing the Role of Mass Media Practitioners in Knowledge Transfer to Improve Agricultural Productivity and Farmers' Welfare	Asian Productivity Organization	Dhaka, Bangladesh	<a href="https://opac.ll.chiba-u.jp/da/curator/900121181/">https://opac.ll.chiba-u.jp/da/curator/900121181/</a>

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2015/9/22	Technological Revolutions in Agriculture : Plant Factories with Artificial Lighting-Opportunities and Challenges	National Conference on Enhancing the Role of Mass Media Practitioners in Knowledge Transfer to Improve Agricultural Productivity and Farmers' Welfare	Asian Productivity Organization	Dhaka, Bangladesh	
2015/5/30	Photoautotrophic (sugar-free medium) micropropagation : its principle and application	2015 In Vitro Biology Meeting	The society for In Vitro Biology	Tucson Arizona USA	<a href="https://opac.ll.chiba-u.jp/da/curator/900121180/">https://opac.ll.chiba-u.jp/da/curator/900121180/</a>
2015/5/20	Six Components in Controlled Environment Agriculture (CEA)	The first International Conference on Controlled Environment Agriculture (ICCEA 2015)	ICCEA	Sheraton Hotel, Panama,	
2015/5/9	Plant Production Management System for PFAL (plant factory with artificial lighting)		Association for Vertical Farming	Beijing, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121179/">https://opac.ll.chiba-u.jp/da/curator/900121179/</a>
2015/4/20	Challenges and Opportunities in Controlled Environment Agriculture (CEA)	2015 High-level International Forum on Protected Horticulture	CAAS (Chinese Academy of Agricultural Sciences)	Shouguang, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121178/">https://opac.ll.chiba-u.jp/da/curator/900121178/</a>
2015/3/11	Role of Plant Factory with Artifical Lighting (PFAL) in Urban Agriculture	Global Forum on Innovation in Agriculture (GFIA 2015)	Abu Dhabi Food Control Authority	Abu Dhabi	
2014/10/1	Plant Factory with Artificial Lighting (PFAL) and its Role under Climate Change	Forum on Mitigating Negative Effects of Climate Change on Agriculture	Asian Productivity Organization	Bali, Indonesia	<a href="https://opac.ll.chiba-u.jp/da/curator/900121177/">https://opac.ll.chiba-u.jp/da/curator/900121177/</a>

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2014/9/12	Role of Plant Factory with Artificial Light (PFAL) in Urban Horticulture and Next Generation Lifestyle	Multicountry observational study mission on best practices in promoting innovation and productivity in agriculture for mass media practitioners Chiba University. Kashiwa	APO	Kashiwanoha Campus, Chiba University, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121176/">https://opac.ll.chiba-u.jp/da/curator/900121176/</a>
2014/9/9	Role of Plant Factory with Artificial Light (PFAL) in Urban Horticulture and Next Generation Lifestyle	2014 International Conference on Vertical farming and Urban Agriculture (VFUA2014)	Nottingham University	Nottingham, UK	<a href="https://opac.ll.chiba-u.jp/da/curator/900121175/">https://opac.ll.chiba-u.jp/da/curator/900121175/</a>
2014/8/20	Innovative Greenhouse Environment Control Technologies for Advancing the Sustainability in Food Production	XXIX International Horticultural Congress on Horticulture: Sustaining Lives, Livelihoods and Landscapes (IHC2014): International Symposium on Innovation and New Technologies in Protected Cropping	ISHS	Brisbane, Australia	<a href="https://opac.ll.chiba-u.jp/da/curator/900121174/">https://opac.ll.chiba-u.jp/da/curator/900121174/</a>
2014/1/25	Light Unitization Efficiency in Plant Production with Special Attention to Plant Factory with Artificial Light	First International Symposium on Efficient Utilization of Light in Plant Production	China Agricultral University	Beijing, China	
2014/1/15	Recent Trends on Industries for Plant Factory in Japan	International Symposium on LED Plant Factory	Chuonbuk National Univ	Jeonju Korea	<a href="https://opac.ll.chiba-u.jp/da/curator/900121173/">https://opac.ll.chiba-u.jp/da/curator/900121173/</a>
2013/11/19	Role of Artificial-Light Plant Factories under Climate Change	Multicountry Observational Study Mission on Innovative Farm Management Practices to Enhance Agricultural Productivity	APO	Kashiwanoha Campus, Chiba University	
2013/10/23	Eco-Agro Innovation (Panelist in Roundtable discussion)	Eco-Agro Innovation Forum	APO	Tokyo Big Sight in Tokyo	

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2013/9/11	Role of Artificial-Light Plant Factory under Climate Change	Best Practices in Promoting Innovation and Productivity in Agriculture for Mass Media Practitioners	Asian Productivity Organization	Kashiwanoha Campus, Chiba University	<a href="https://opac.ll.chiba-u.jp/da/curator/900121172/">https://opac.ll.chiba-u.jp/da/curator/900121172/</a>
2013/8/12	Role of Artificial-Light Plant Factory in Urban Areas Adapting To Climate Change	Strategic Approach to Integrate Practical Technologies for Climate-Smart Crop Production	Asian Productivity Organization (APO)	TARI, Taichung,, Taiwan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121171/">https://opac.ll.chiba-u.jp/da/curator/900121171/</a>
2013/5/21	Role of Plant Factory with Artificial Light		Asian Productivity Organization (APO)	Kashiwanoha Campus, Chiba University	<a href="https://opac.ll.chiba-u.jp/da/curator/900121170/">https://opac.ll.chiba-u.jp/da/curator/900121170/</a>
2013/5/14	Role of Plant Factory with Artificial Light in northern regions	The 2nd far-east forum of Japan-Russia friendship, Vladivostok, Russia	Chiba University	Chiba, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121169/">https://opac.ll.chiba-u.jp/da/curator/900121169/</a>
2013/4/29	Role of Plant Factory with Artificial light (PF) in Urban Life friendship	The 2nd far-east forum of Japan-Russia	Chiba University	Vladivostok, Russia	
2013/4/19	Role of Plant Factory with Artificial Light (PFAL) in Vertical Farming and Urban Agriculture	The 3rd High-Level International Forum on Protected Horticulture	CAAS(Chinese Academy of Agricultural Sciences)	Shouguang city, Shangdong, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121168/">https://opac.ll.chiba-u.jp/da/curator/900121168/</a>
2013/3/7	Role of Plant Factory in Urban Life Design	Seventh International Conference on Design Principles and Practices	Chiba University	Keyaki Hall, Chiba University, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121167/">https://opac.ll.chiba-u.jp/da/curator/900121167/</a>

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2012/11/30	Review and Perspectives on Plant Factory	Gathering International Conference 2012	Chiba University	Keyaki Hall, Chiba University, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121166/">https://opac.ll.chiba-u.jp/da/curator/900121166/</a>
2012/11/23	Role of Plant Factory with Artificial Light in the 21st Century			Taiwan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121165/">https://opac.ll.chiba-u.jp/da/curator/900121165/</a>
2012/11/9	Plant Factory R & D Commercialization and Prospect in Japan	AGREX KOREA 2012		Jinju Complex Stadium	
2012/11/5	Current Status of Plant Factories with Artificial Light in Relation to Vertical Farming and Urban Agriculture	Seminar at China Agriculture University	China Agriculture University	China Agricultural University	
2012/9/26	Role of Plant Factory with Artificial Light in Vertical Farming	Workshop on Challenges in Vertical Farming	The University of Maryland	Maryland, USA	<a href="https://opac.ll.chiba-u.jp/da/curator/900121164/">https://opac.ll.chiba-u.jp/da/curator/900121164/</a>
2012/7/23	CO <sub>2</sub> Enrichment in the Greenhouse	Seminar at Plant Genetic Resource Centre r	Plant Genetic Resource Centre	Plant Genetic Resource Centre, Sri Lanka	<a href="https://opac.ll.chiba-u.jp/da/curator/900121163/">https://opac.ll.chiba-u.jp/da/curator/900121163/</a>
2012/7/2	Environmental Control for Plant Growth : in semi-closed and closed systems such as greenhouse, tissue culture vessel, transplant production system and plant factory	Plant Factory International Symposium	Zhejiang University	Zhejiang University	<a href="https://opac.ll.chiba-u.jp/da/curator/900121162/">https://opac.ll.chiba-u.jp/da/curator/900121162/</a>

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2012/5/22	Sustainable Plant factory Closed plant production systems with artificial light for high resource use efficiencies and quality produce	International Symposium on Soilless Cultivation	ISHS	Shanghai, China	
2012/5/23	The current situation and the future prospects of plant factories	International Conference & Exhibition on Soilless Culture (ICESC)	Shanghai Horticultural Research Institute	Shanghai	
2012/5/21	The current situation and the future prospects of plant factories	Plant Factory International Symposium	Zhejiang Univ.	Agricultural Experimental Station, Zhejiang University	<a href="https://opac.ll.chiba-u.jp/da/curator/900121161/">https://opac.ll.chiba-u.jp/da/curator/900121161/</a>
2012/3/19	The current situation and the future prospects of plant factories	APO Workshop	Asian Productivity Organization	Bestwestern Hotel Sendai	<a href="https://opac.ll.chiba-u.jp/da/curator/900121160/">https://opac.ll.chiba-u.jp/da/curator/900121160/</a>
2011/11/7	Integrative Environment Control System for a Plant Factory : with concepts of closed system, resource use efficiency and rate variables	APO Workshop	Asian Productivity Organization	Chiba University, Kashiwanoha Campus	
2011/10/28	Integrative Environmental Control of Plant Factory using Multi-purpose Heat Pumps	The 6th International Symposium on Intelligent Information Technology in Agriculture (ISIITA2011)	China Agriculture University	Beijing, China	
2011/9/27	Production of Medicinal Plants Under Controlled Environment with Artificial Light	ASHS Colloquium Research Highlights and Commercial Application of Medicinal Plants	ASHS (American Society for Horticultural Science)	Hawaii, USA	<a href="https://opac.ll.chiba-u.jp/da/curator/900121159/">https://opac.ll.chiba-u.jp/da/curator/900121159/</a>

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2011/5/12	Improving Light Energy Use Efficiency for a Sustainable Plant Factory with Artificial Light : A Project at Chiba University, Japan	Green Lighting Shanghai Forum 2011	Hort Asia	Galaxy Hotel Shanghai, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121158/">https://opac.ll.chiba-u.jp/da/curator/900121158/</a>
2011/4/26	Development of Photoautotrophic (sugar-free medium) micropropagation	Special Seminar on plant production in cosed systems	Northeast Forestry University	Harbin, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121157/">https://opac.ll.chiba-u.jp/da/curator/900121157/</a>
2011/4/26	Sustainable plant factory with highly-efficient and quality produce : Closed plant production systems with artificial light (CPPS)	Special Seminar on plant production in closed systems	Northeast Forestry University	Harbin, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121156/">https://opac.ll.chiba-u.jp/da/curator/900121156/</a>
2011/4/26	What and how we should learn from students, society and nature and how we should contribute to solving 'glonacal (global, national and local)' issues : learning by teaching and by doing research	Special Seminar on plant production in closed systems	Northeast Forestry University	Harbin, China	
2011/4/21	Improving Utilization Efficiencies of CO2, Water, Electricity, and Light Energy of a Plant Factory : A Project at Chiba University, Japan	2011 High-level International Forum on Protected Cultivation	CAAS (Chinese Academy of Agricultural Sciences)	Shouguan, Sandong, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121155/">https://opac.ll.chiba-u.jp/da/curator/900121155/</a>
2011/3/30	Sustainable plant factory with Artificial Lighting	The International Workshop on Current Status of plant factory	National Taiwan University, Taipei	National Taiwan University, Taipei	
2011/3/21	Sustainable plant factory with highly-efficient and quality produce	The International Workshop on Agriculture and Mechanization : Challenge and Opportunities for Globalization	MajoeUniversity	Chiang Mai, Thailand	



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2010/11/1	Closed plant production systems with artificial light (CPPS) for highly-efficient resource usage and quality produce	Sustainable plant factory for the 21st Century	Zhejiang University	Jinhua, Zhejiang, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121154/">https://opac.ll.chiba-u.jp/da/curator/900121154/</a>
2010/10/24	Sustainable plant factory for the 21st Century : Closed plant production systems with artificial light (CPPS) for highly-efficient resource usage and quality produce	China-Japan International Workshop of Horticulture 2010	Plant Factory Research Association	Tokyo, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121153/">https://opac.ll.chiba-u.jp/da/curator/900121153/</a>
2010/8/25	Sustainable plant factory : Closed plant production systems with artificial light for high resource use efficiencies and quality produce	XXVIII International Horticultural Congress : IHC2010: Colloquia and Overview	IHC2010 (International Horticultural Congress)	Lisboa, Portugal	<a href="https://opac.ll.chiba-u.jp/da/curator/900121152/">https://opac.ll.chiba-u.jp/da/curator/900121152/</a>
2010/4/7	Closed System with Artificial Lighting Reduces Water Consumption for Plant Production by 95%	Workshop on Protected Cultivation: Present : Status and Future Trends Towards Food and Water Safety	King Saud University	King Faisal Conference Hall, Intercontinental Hotel, Riyadh, Saudi Arabia	<a href="https://opac.ll.chiba-u.jp/da/curator/900121151/">https://opac.ll.chiba-u.jp/da/curator/900121151/</a>
2009/11/23	The Plant Factory in Japan : Concept, principles and requirements for sustainable operation	Memorial Symposium on 50th Anniversary of Beijing Agricultural Machinery Institute	Beijing Agricultural Machinery Institute	Beijing, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121150/">https://opac.ll.chiba-u.jp/da/curator/900121150/</a>
2009/6/24	Trends in Development of Photoautotrophic (sugar-free medium) micropropagation in the world Field Sciences		Fujian Agriculture and Forestry University	Fujian, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121149/">https://opac.ll.chiba-u.jp/da/curator/900121149/</a>
2009/6/14	Integrative environmental control using heat pumps for reductions in energy consumption and CO2 gas emission, humidity control and air circulation	International Symposium on High Technology for Greenhouse Systems - Greensys2009	ISHS, CH	Quebec, Canada	

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2009/6/7	Photoautotrophic (Sugar-free medium) Micropropagation System		Laval University	Quebec, Canada	
2009/4/20	Closed Transplant/Plant Production Systems	High-level International Forum on Protected Horticulture	CAAS (Chinese Academy of Agricultural Sciences)	Shouguang Sandong, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121148/">https://opac.ll.chiba-u.jp/da/curator/900121148/</a>
2009/2/27	Local Sustainability Science Program and Expert Program, Chiba University	International Workshop on Controlled Closed Systems Toward Efficient Bioporoduction	Chiba Univ.	Seeds Hall, Center for Environment, Health anf Field Sciences,	
2009/2/27	Sustainable Greenhouse Plant Production for Life-Value Creation in 'Glonacal' Welfare Societies : Conceptual Framework : Part I	International Workshop on Controlled Closed Systems Toward Efficient Bioproduction	Chiba Univ.	Seeds Hall, Center for Environment, Health anf Field Sciences, Chiba University	<a href="https://opac.ll.chiba-u.jp/da/curator/900121147/">https://opac.ll.chiba-u.jp/da/curator/900121147/</a>
2009/1/8	Role of closed plant production systems under global warming	The University of Dalat	The University of Dalat	Dalat, Vietnam	
2009/1/6	Role of closed plant production systems under global warming	National Institute of Tropical Biology Seminar	National Institute of Tropical Biology	Ho Chi Minh, Vietnam	
2008/10/20	Greenhouse cooling with continuous generation of upward-moving fog for reducing wetting of plant foliage and air temperature fluctuations : a case study	International Workshop on Greenhouse Environmental Control and Crop Production in Semi-Arid Regions	ISHS	Tucson, AZ, USA	

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2008/10/17	Role of closed plant production systems under rise in price of fossil fuel and global warming	International Forum on Bio-Environmental and Bio-energy Engineering (2008-IFBBE)	China Agricultural University	China Agricultural University	<a href="https://opac.ll.chiba-u.jp/da/curator/900121146/">https://opac.ll.chiba-u.jp/da/curator/900121146/</a>
2007/9/5	Propagation, grafting, and transplant production in closed systems with artificial lighting for commercialization in Japan	IPPS conference on propagation of ornamental plants	IPPS (International Plant Propagator's Society)	Sofia, Bulgaria	<a href="https://opac.ll.chiba-u.jp/da/curator/900121145/">https://opac.ll.chiba-u.jp/da/curator/900121145/</a>
2007/8/7	Production control by environmental control in protected horticulture	Special lecture by Toyoki Kozai. President of Chiba University, Japan	China Agricultural University	China Agricultural University	
2005/6/24	Commercialized closed systems with artificial lighting for plant production	V International Symposium on Artificial Lighting in Horticulture	ISHS	Lillehammer, Norway	<a href="https://opac.ll.chiba-u.jp/da/curator/900121144/">https://opac.ll.chiba-u.jp/da/curator/900121144/</a>
2004/11/18	Closed systems with lamps for commercial production of high quality plants at low costs using minimal resources	International Symposium on Future Development of Agricultural Biotechnology Park	Pingtung University	Pingtung, Taiwan	
2004/10/12	Commercialized closed systems with artificial lighting for high quality plant production at low costs and minimum resources	CIGR Congress	CIGR (International Commission of Agricultural and Biosystems Engineering)	Beijing, China	<a href="https://opac.ll.chiba-u.jp/da/curator/900121143/">https://opac.ll.chiba-u.jp/da/curator/900121143/</a>
2004/10/4	Closed systems for production of transplants for solving global problems on Environment, food and natural resources	Agriculture Congress : Innovations towards modernized agriculture		Melaka, Malaysia	

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2004/9/12	A commercialized photoautotrophic micropropagation system using large vessels with forced ventilation: plant growth and economic benefits	The 5th IVCHB Symposium : Biotechnology, as theory and practice in horticulture	ISHS	Debrecen, Hungary	
2004/9/12	Mass propagation of coffee transplants under scaled-up photoautotrophic micropropagation system	V International Symposium on In Vitro Culture and Horticultural Breeding	ISHS	Debrecen, Hungary	
2004/9/12	A CO <sub>2</sub> control system for a greenhouse with a high ventilation rate	International Conference on Sustainable Greenhouse Systems - Greensys2004	ISHS	Leuven, Belgium	
2004/6/15	Air and leaf temperatures and relative humidity in a naturally ventilated single-span greenhouse with a fogging system for cooling	International Symposium on Greenhouses, Environmental Controls and In-house Mechanization for Crop Production in the Tropics and Sub-Tropics	ISHS	Cameron Highlands, Pahang, Malaysia	
2004/1/24	Light Utilization Efficiency in Plant Production with Special Attention to Plant Factory with Artificial Light	First International Symposium on Efficient Utilization of Light in Plant Production	China Agricultural University	Beijing, China	
2002/8/11	Closed systems with lamps for commercial production of transplants using minimal resources.	XXVI International Horticultural Congress: Nursery Crops; Development, Evaluation, Production and Use	ISHS	Toronto, Canada	<a href="https://opac.ll.chiba-u.jp/da/curator/900121142/">https://opac.ll.chiba-u.jp/da/curator/900121142/</a>
2002/8/11	Photoautotrophic culture with CO <sub>2</sub> enrichment for improving micropropagation of <i>Coffea arabusta</i> using somatic embryos	XXVI International Horticultural Congress: Biotechnology in Horticultural Crop Improvement: Achievements, Opportunities and Limitations	ISHS	Toronto, Canada	

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2002/5/29	Photoautotrophic culture of somatic embryos of <i>coffea arabusta</i>	The First International Symposium on ‘Liquid Systems for in vitro Mass Propagation of Plants’	Agricultural University of Norway	Oslo, Norway	<a href="https://opac.ll.chiba-u.jp/da/curator/900121141/">https://opac.ll.chiba-u.jp/da/curator/900121141/</a>
2001/4/15	Closed systems with artificial lighting for production of high quality transplants using minimum resource and environmental pollution	International Symposium on Design and Environmental Control of Tropical and Subtropical Greenhouses	ISHS	Taichung, Taiwan	
2001/4/15	A preliminary experiment to simulate evapotranspiration rate of plug transplant trays in a closed transplant production system	International Symposium on Design and Environmental Control of Tropical and Subtropical Greenhouses	ISHS	Taichung, Taiwan	
2001/3/15	A closed type transplant production system	The 3rd International Wood Biotechnology Workshop		Narita, Chiba, Japan	
2000/11/28	Closed transplant production systems with artificial lighting for quality control,resource saving and environmental conservation	The XIV Memorial CIGR World Congress	CIGR	Tsukuba, Ibaraki, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121140/">https://opac.ll.chiba-u.jp/da/curator/900121140/</a>
2000/11/7	Transplant production in closed systems with artificial Lighting	The Fourth International Symposium on Artificial Lighting	ISHS	Quebec, Canada	
2000/10/3	Closed transplant production systems and their application	International Symposium on Trend of Plant Tissue Culture and Biotechnology for Plant Production and Crop Improvement		Bangkok, Thailand	

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2000/7/19	Necessity of closed-type micropropagation systems using open-type culture vessels for resource saving and environmental conservation	Third International Workshop on Plant Biotechnology	Chiba University	Hanoi, Vietnam	
2000/3/28	Necessity and concept of the closed transplant production system	International Symposium on Transplant Production Systems for Solving the Global Issues on Environmental Conservation, Food, Resources and Energy	Chiba University	Chiba, Japan	<a href="https://opac.ll.chiba-u.jp/da/curator/900121139/">https://opac.ll.chiba-u.jp/da/curator/900121139/</a>
2000/3/5	Perspectives of bioengineering and bioindustry for saving the Earth in the 21st Century	The Fourth Symposium on Agricultural Sciences and Biochemical Engineering 2000	Chiba University	Chiba, Japan	
1999/8/24	Quality biomass production via photoautotrophic micropropagation	International Symposium on Methods and Markers for Quality Assurance in Micropropagation	ISHS	Cork, Ireland	
1999/7/23	Transplant Production in Closed Systems with Artificial Lighting for Solving Global Issues on Environment Conservation, Food, Resources and Energy	ACESYS III Forum –From Protected Cultivation to Phytomation	Rutgers University	Rutgers University, New Jersey	<a href="https://opac.ll.chiba-u.jp/da/curator/900121138/">https://opac.ll.chiba-u.jp/da/curator/900121138/</a>
1999/11/1	Closed systems using artificial light for producing quality transplants	The Korea-Japan joint symposium on transplant production in horticultural plants	Chunbuk National University	Cheongju, Korea	
1998/4/29	Transplant production under artificial light in closed systems : Quality improvement of seedlings and transplants by environmental control	Proc. of 3rd Asian Crop Science Conference	Asian Crop Science Association (ACSA)	National Museum of Nature Science, Taichung, Taiwan	

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1998/8/2	Development of an automatic watering system for plug seedling production with estimation of evapotranspiration by weighing	XXV International Horticultural Congress, Part 10 : Computers and Automation, Electronic Information in Horticulture	ISHS	Brussels, Belgium	
1998/8/2	Development of a mathematical model for vegetative propagation: Simulated sweetpotato cutting production as affected by propagation methods and environmental conditions	XXV International Horticultural Congress, Part 9: Computers and Automation, Electronic Information in Horticulture	ISHS	Brussels, Belgium	
1998/8/2	Manipulation of bolting and flowering in spinach ( <i>Spinacia oleracea</i> L.) transplant production system using artificial light	XXV International Horticultural Congress, Part 5: Culture Techniques with Special Emphasis on Environmental Implications Chemical, Physical and Biological Means of Regulating Crop Growth in Ornamentals and Other Crops	ISHS	Brussels, Belgium	
1998/6/14	Environmental Control in Photoautotrophic Micropropagation	IX International Congress on Plant Tissue and Cell Culture	Organizing Committee of the Congress	Jerusalem, Israel	
1998/4/27	Quality Improvement of Seedlings and Plantlets by Environmental Control	The third Asian Crop Science Conference		Taichung, Taiwan	
1997/12/9	Towards efficient vegetative propagation and transplant production of sweetpotato ( <i>Ipomoea batatas</i> L.) under artificial light in closed ecosystems	International Workshop on Sweetpotato Production System Toward the 21st Century	NARO	Miyakonojo, Miyazaki, Japan	
1997/10/14	Photosynthetic and transpirational characteristics of plants in closed systems with artificial lighting	International Meeting on Influence of climatic characteristics upon behavior of radioactive elements		Aomori, Japan	



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1997/9/3	Sweetpotato micropropagation	Linyi Research Institute of Agricultural Sciences	Linyi Research Institute of Agricultural Sciences	Linyi, Shandong, China	
1997/8/25	Simulation of CO <sub>2</sub> concentration in the culture vessel and growth of plantlets in micropropagation	II Modelling Plant Growth, Environmental Control and Farm Management in Protected Cultivation	ISHS	Wageningen, Netherlands	
1996/11/10	Benefits of Physical and/or Aerial Environment Control in Micropropagation	Third Asia-Pacific Conference on Agricultural Biotechnology : Issues and Choices	Thai Soccity of Plant Biotechnology	Hua Hin, Thailand	
1996/10/25	Environmental Control and Its Effects in Transplant Production under Artificial Light	The Symposium of Annual Fall Meeting of Korean Society for Horticultural Science	Korean Society for Horticultural Science	Kyungpook University, Korea	
1996/8/26	Optimization of photoautotrophic micropropagation conditions for sweetpotato ( <i>Ipomoea Batatas</i> (L.) Lam.) plantlets	International Symposium on Plant Production in Closed Ecosystems	ISHS, CH	Narita, Japan	
1996/8/26	Effects of CO <sub>2</sub> concentration, PPFD and sucrose concentration on <i>Cymbidium</i> plantlet growth <i>in vitro</i>	International Symposium on Plant Production in Closed Ecosystems	ISHS, CH	Narita, Japan	
1996/8/26	Effects of air current speeds on the microclimate of plug stand under artificial lighting	International Symposium on Plant Production in Closed Ecosystems	ISHS, CH	Narita, Japan	

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1996/8/26	Effect of CO <sub>2</sub> enrichment and sugar-free medium on survival and growth of turfgrass regenerants grown <i>in vitro</i>	International Symposium on Plant Production in Closed Ecosystems	ISHS, CH	Narita, Japan	
1996/8/26	Design of a wind tunnel for plug seedlings production under artificial lighting	International Symposium on Plant Production in Closed Ecosystems	ISHS, CH	Narita, Japan	
1996/8/26	Stem elongation and growth of <i>Mentha rotundifolia</i> in vitro as influenced by photoperiod, photosynthetic photon flux, and difference between day and night temperatures	International Symposium on Plant Production in Closed Ecosystems	ISHS, CH	Narita, Japan	
1996/3/26	Transplant Production and Photoautotrophic Micropropagation	Department of Science & Technology Committee of Kunming, and Biotechnology Research Institute of Yunnann Academy of Agricultural Science	Department of Science & Technology, Committee of Kunming, and Biotechnology Research Institute of Yunnann Academy of Agricultural Science	Yunnan, China	
1995/12/10	Environmental Control of Large Scale Production of Plants through in vitro Techniques	The 2nd International Plant Tissue Culture Conference	International Plant Biotechnology Society	Dhaka, Bangladesh	
1995/10/25	Effects of Physical Environments on the Growth of Plantlets in Micropropagation	The Workshop on Plant Growth and Differentiation and Training Course	National Institute of Tropical Biology	Ho Chi Minh, Vietnam	
1995/8/3	Photoautotrophic Growth' in MSc and Postgraduate Courses in Plant Cell and Tissue Culture	Department of Science & Technology Committee of Kunming, and Biotechnology Research Institute of Yunnann Academy of Agricultural Science	Department of Science & Technology, Committee of Kunming, and Biotechnology Research Institute of Yunnann Academy of Agricultural Science	Department of Botany, University of Colombo, Sri Lanka	

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1994/11/1	Environmental Measurement and Control in Plant Production	Monthly Senar at CAAS	CAAS (Chinese Academy of Agricultural Sciences)	Beijing, China	
1994/10/28	Environmental control and its application in micropropagation	Guangdong Agricultural Science Academy Seminar	Guangdong Agricultural Science Academy	Guangdong, China	
1994/1/23	Effects of red light on the growth and morphology of potato plantlets <i>in vitro</i> : Using light emitting diodes (LEDs) as a light source for micropropagation	III International Symposium on Artificial Lighting in Horticulture	ISHS	Noordwijkerhout, Netherlands	
1994/8/21	Microwave-powered lamps as a high intensity light source for plant growth	Greenhouse Environment Control and Automation	ISHS	Kyoto, Japan	
1994/8/21	Effects of CO <sub>2</sub> enrichment and supporting material in vitro on photoautotrophic growth of Eucalyptus plantlets in vitro and ex vitro: Anatomical comparisons.	Environmental Effects and their Control in Plant Tissue Culture	ISHS	Kyoto, Japan	
1994/8/21	Development of photoautotrophic plant tissue culture system using CO <sub>2</sub> from Shiitake mushroom	Environmental Effects and their Control in Plant Tissue Culture	ISHS	Kyoto, Japan	
1994/8/21	Contribution of photosynthesis to dry weight increase of in vitro potato cultures under different CO <sub>2</sub> concentrations	Environmental Effects and their Control in Plant Tissue Culture	ISHS	Kyoto, Japan	

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1994/8/21	Modeling, measurement and control in plant tissue culture	Environmental Effects and their Control in Plant Tissue Culture	ISHS	Kyoto, Japan	
1994/8/21	Low temperature storage for production management of in-vitro plants: Effects of air temperature and light intensity on preservation of plantlet dry weight and quality during storage	Environmental Effects and their Control in Plant Tissue Culture	ISHS	Kyoto, Japan	
1994/8/21	Ionic composition and strength of culture medium affect photoautotrophic growth, transpiration and net photosynthetic rates of strawberry plantlets <i>in vitro</i>	Environmental Effects and their Control in Plant Tissue Culture	ISHS	Kyoto, Japan	
1994/8/21	Effects of red and far-red light on the growth and morphology of potato plantlets <i>in vitro</i> : Using light emitting diode as a light source for micropropagation	Environmental Effects and their Control in Plant Tissue Culture	ISHS	Kyoto, Japan	
1994/8/21	Effects of lighting cycle on daily CO <sub>2</sub> exchange and dry weight increase of potato plantlets cultured <i>in vitro</i> photoautotrophically.	Environmental Effects and their Control in Plant Tissue Culture	ISHS	Kyoto, Japan	
1994/6/12	Environmental control for large scale production of <i>in vitro</i> plants	VII International Congress of Plant Tissue and Cell Culture	Society for In vitro Biology	Firenze, Italy	
1994/6/4	Methods and systems for automatic environmental control	1994 Congress on Cell and Tissue Culture	International Plant Biotechnology Society	Research Triangle Park, NC, USA	

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1994/3/27	Use of Diffusive Optical Fibers for Lighting	The International Lighting in Controlled Environments Workshop		Madison, Wisconsin, USA	
1993/9/30	Environmental Control in Plant Tissue Culture and Its Application for Micropropagation	The IFAC/ISHS Workshop on Mathematical and Control Applications in Agriculture and Horticulture	IFAC/ISHS	Matsuyama, Ehime, Japan	
1993/9/20	Environmental Control and Automation in Plant Tissue Culture	The 11th Australian Biotechnology Conference	Australian Biotechnology Association	Perth, Australia	
1993/9/5	Environmental Control for Production of Quality Plantlets In Vitro at Low Costs on a Large Scale	The 1st Asia-Pacific Conference on Plant Cell & Tissue Culture	Organizing Committee	Taejeon, Korea	
1993/6/5		Meeting of the Tissue Culture Association	TCA, USA	San Diego, USA	
1993/2/7	Environmental Control for Autotrophic Micropropagation	The Southeast Asian Regional Workshop on Propagation Techniques for Commercial Crops of the Tropics	National Institute of Tropical Biology	Ho Chi Minh, Vietnam	
1992/7/21	Photoautotrophic multiplication of <i>Cymbidium</i> protocorm-like bodies	International Symposium on Transplant Production Systems	ISHS, CH	Yokohama, Japan	

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1992/7/21	Mathematical methods to maximize the overall multiplication ratio of micropropagation in a determined period	International Symposium on Transplant Production Systems	ISHS, CH	Yokohama, Japan	
1992/7/21	Effects of relative humidity in the culture vessel on the transpiration and net photosynthetic rates of potato plantlets <i>in vitro</i>	International Symposium on Transplant Production Systems	ISHS, CH	Yokohama, Japan	
1992/7/21	Effect of sideward lighting on the growth of potato plantlets <i>in vitro</i>	International Symposium on Transplant Production Systems	ISHS, CH	Yokohama, Japan	
1992/7/21	A sideward lighting system using diffusive optical fibers for production of vigorous micropropagated plantlets	International Symposium on Transplant Production Systems	ISHS, CH	Yokohama, Japan	
1992/6/23	Environmental Effect and Environmental Control in Plant Tissue Culture	World Congress on Cell and Tissue Culture - Genetic Applications of Tissue Culture-	Organizing Committee of WCCTC	Arlington, Washington D.C. USA	
1992/6/14	Commercial Transplant Production Practices and Recent Research in Japan	The 89th Annual Meeting of the American Society for Horticultural Science	ASHS	Hawaii, USA	
1991/12/16	Considerations for Automation of Micropropagation Systems at the Automated Agriculture for the 21st Century	Annual Meeting of ASABE (American Society of Agricultural and Biological Engineers)	ASABE (American Society for Agricultural and Biological Engineering)	Chicago, USA	

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1991/6/16	Some robotic micropropagation systems recently developed in Japan	World Congress on Cell and Tissue Culture	The Society for In Vitro Biology	Anaheim, CA, USA	
1991/2/21	Environmental Control and Automation in Micropropagation	The 9th Biennial Conference of the New Zealand Branch of the International Association for Plant Tissue Culture	New Zealand Branch of International Association for Plant Tissue Culture	Rotorua, New Zealand	
1990/10/14	Environmental Control and Automation in Micropropagation	The 4th Toyota Conference (Automation in Biotechnology)	Toyota Motor	Aichi, Japan	
1989/9/18	Photoautotrophic micropropagation and automation of tissue culture	Department of Agricultural Engineering & Department of Horticulture, Purdue University	Purdue University USA	IN, USA	
1989/9/14	Photoautotrophic micropropagation of explants	Plant Science Building, University of Wisconsin	University of Wisconsin	Madison, Wisconsin, USA	
1989/9/11	Autotrophic (Sugar-free) micropropagation for a significant reduction of production costs, organized	PSA, Michigan University	Michigan University,	MI, USA	
1989/7/27	Japanese Plant Biotechnology/Photoautotrophic Tissue Culture	McAdams Hall, Clemson, Clemson University	Clemson University, USA	SC, USA	



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1989/7/13	Controlled environment for plant tissue culture	Salisbury Lab., Department of Biology and Biotechnology, Worcester Polytechnic Institute	Worcester Polytechnic Institute, USA	MA, USA,	
1989/6/11	Autotrophic Micropropagation : A Novel Method	The 40th Annual Meeting of Tissue Culture Association	Tissue Culture Association (USA)	Orlando, Florida, USA	
1989/3/16	Environmental Effects in Photoautotrophic Culture	La Culture in Vitro : Une Technologie au Service de la Biologie Vegetale (Colloque Sur La Culture in Vitro)	Universite Laval, Canada	Quebec, Canada	
1988/12/12	Autotrophic micropropagation for masspropagation of in vitro plantlets at the Plant Biotechnology	Seminar on Applications and Commercial Opportunities for Agro-development in Indonesia	APO	Jakarta, Indonesia	
1988/9/21	Autotrophic (Sugar free) Tissue Culture for Promoting the Growth of Plantlets <i>in vitro</i> and for Reducing Biological Contamination	International Symposium on Application of Biotechnology for Small Industries Development in Developing Countries	APO (Asial Productivity Organization)	Bangkok, Thailand	
1988/5/12	Multiplication of potato plantlets <i>in vitro</i> with sugar free medium under high photosynthetic photon flux	Symposium on High Technology in Protected Cultivation	ISHS, CH	Hamamatsu, Japan	
1988/5/12	Effects of low O <sub>2</sub> concentration on net photosynthesis of C <sub>3</sub> plantlets <i>in vitro</i>	Symposium on High Technology in Protected Cultivation	ISHS, CH	Hamamatsu, Japan	

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1988/5/12	Effects of basal medium composition on the growth of carnation plantlets in auto- and mixo-trophic tissue culture	Symposium on High Technology in Protected Cultivation	ISHS, CH	Hamamatsu, Japan	
1988/5/12	Development of a photoautotrophic tissue culture system for shoots and/or plantlets at rooting and acclimatization stages	Symposium on High Technology in Protected Cultivation	ISHS, CH	Hamamatsu, Japan	
1988/5/12	An application of the acclimatization unit for growth of carnation explants, and for rooting and acclimatization of the plantlets	Symposium on High Technology in Protected Cultivation	ISHS, CH	Hamamatsu, Japan	
1988/5/10	High Technology in Protected Cultivation	Horticulture in High Technology Era	ISHS, CH	Tokyo, Japan	
1987/10/28	Intelligent Information Systems for Production Management in Agriculture and Horticulture	The International Conference and Exhibition on Artificial Intelligence	Japan Artificial Intelligence Society	Osaka, Japan	
1987/6/9	Environmental Control for Greenhouse Crop Production	Special Lecture	Beijing Agricultural University	Beijing, China	
1986/8/29	Thermal performance of a solar greenhouse with an underground heat storage system	Energy Conservation and Solar Energy Utilization in Horticultural Engineering	ISHS, CH	Melbourne, Australia	

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1985/5/19	Ideas of greenhouse climate control based on knowledge engineering techniques	Symposium Greenhouse Climate and its Control	ISHS, CH	Wageningen, Netherlands	
1985/5/19	A greenhouse climate simulator for testing greenhouse computers. Part 2 : Operation test of thermal screens	Symposium Greenhouse Climate and its Control	ISHS, CH	Wageningen, Netherlands	
1985/5/19	A greenhouse climate simulator for testing greenhouse computers. Part 1 : Operation test of ventilation control	Symposium Greenhouse Climate and its Control	ISHS, CH	Wageningen, Netherlands	
1985/6/7	Solar and water energy for horticultural uses in Japan	FFTC Symposium	FFTC	Taiwan	
1983/8/21	Knowledge-based and hierarchically distributed online control system for greenhouse management	III International Symposium on Energy in Protected Cultivation	ISHS, CH	Columbus, Ohio, USA	
1979/6/18	A modelling approach to greenhouse ventilation control	Symposium in computers in Greenhouse Climate and its Control	ISHS, CH	Wageningen, Netherlands	
1978/8/28	A simulation of natural ventilation for a multi-span greenhouse	Symposium on Potential Productivity in Protected Cultivation	ISHS (International Socociety for Horticultural Science), Comission of Horticultural Engineering (CH)	Kyoto & Tokyo, Japan	