

## Brown Bag Seminar No. 120

2023

11.15 (wed.) 12:10 ~ 12:50

12:10-12:15

◆ Introduction

12:15-12:40

◆ Seminar  
(Presentation)

12:40-12:50

◆ Q&amp;A

Online  
(Zoom)Scan here for  
Registration ▶▶[https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN\\_8ISK2I0jRjeRIGHKMNDqcw](https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN_8ISK2I0jRjeRIGHKMNDqcw)

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## Development of sustainable environmental technologies that turn waste into recyclable resources

Chair: Assoc. Prof. Kun QIAN (Research Futures Coordinator of Q-AOS)



## Key Words

solid waste

recyclable resources

treatment

effective utilization

sustainable environmental technologies

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Born in Kyoto, Japan, I left the Graduate School of Engineering, Kyushu University in March 1989 with a Dr. degree in Department of Civil Engineering with credit in April 1989, and have been a professor in the Graduate School of Engineering, Kyushu University since 2001. In addition, I have served as a visiting professor at the University of New Hampshire (1999-2000), Harbin Institute of Technology (2004-), Tongji University (2006-2009), Qingdao University of Technology (2015-), Vice President of the Japan Society of Civil Engineers (2016-2017), and President of the Waste Resources Recycling Society (2016-2017). My research interests include biological, physical, chemical, and mineralogical stabilization and mass transfer of landfill waste. Numerous international students who conferred Dr. Eng. degrees are working in Asian countries. I received the Best Paper Award from the Waste Management Society of Japan (1997) and the Best Paper Award from the Waste Management and Resource Recycling Society of Japan (2010). My major publications include "Resource Recycling and Revitalization Studies," "Disaster Waste," and "Introduction to East Asian Environmental Studies."

In the treatment and effective utilization of wastes that are heterogeneous and have large fluctuations in emissions, we believe that "sustainable environmental technology" is the environmental technology that will be used throughout the century. Sustainable environmental technology (1) is based on the providence of nature. (2) The mechanism of the technology is clear, not easily affected by fluctuations in external factors, and works universally and reliably. (3) It contributes significantly to the construction of a sustainable society in terms of environmental impact, energy, economy, etc. The technology is defined as a technology that satisfies the following requirements. The presentation presents a case in which the universal phenomena found in the waste soil of a landfill where incineration residues of municipal solid waste were disposed of were developed into a technology for recycling resources.