

Record of Doctoral Dissertation Screening

Graduate School of Asia Pacific Studies

*If possible please fill out this form in both English and Japanese.

Name/ DOB / Nationality	BABALOLA Micky Amune	10/29/1982	Nigeria
Last Institution Attended	September, 2015 Graduate School of Asia Pacific Studies Ritsumeikan Asia Pacific University Doctoral Program Completed		
Degree Type	Doctor of Philosophy in Asia Pacific Studies	Date of Award	September 20, 2015
Requirements for Degree Conferral	Persons who comply to the Ritsumeikan Asia Pacific University Degree Regulations Article 13 Section 1	Degree Regulation Article 4 Section 1	
Title of Dissertation (Eng./Jap.)	Implementation of System Dynamics and Multi Criteria Decision Analysis for Food and Biodegradable Waste Management: The Case of Oita City in Japan システムダイナミックス及びマルチ基準意思決定分析を使った食品や生分解性 廃棄物の管理方式：日本の大分市の事例		
Examiners (Affiliation)	(Supervisor)1. PISHVA, Davar	2. QIAN Xuepeng	
	3. NAKAGAMI Ken'ichi (Ritsumeikan University)	4.	
Summary of Dissertation Contents	This study analyses the benefits of separately treating food and biodegradable waste (FBW) using System Dynamic (SD) and Multi Criteria Decision Analysis (MCDA) approaches. The study focuses on FBW management practice in Oita city, critically examines its current policies, local strategy and practices as well as incorporating environmental, socio-cultural, technical and economic criteria in the analysis process. The finding shows that anaerobic digestion is the best treatment option for FBW with regard to resource generation, followed by incineration and composting and landfill are regarded the least favored approaches. The study also investigates suitable sites for anaerobic digestion plants in Oita city using GIS-MCDA approach.		
Summary of Dissertation Screening Results	The study employs mixed methodology to analyze municipal solid waste (MSW) management issues and adopts a strategy of validating quantitative results with qualitative and descriptive analysis approach. Considering that selection of an appropriate waste management system, its underlying technology and an associated site for the activity require a thorough decision-making process, the analytical approaches shown in this dissertation can therefore help decision makers and numerous stakeholders to critically analyze various available waste management alternatives and select the one that best addresses the economical, socio-cultural and technological setting of a particular location with a minimal environmental and health impacts. The presentation of the candidate during the oral defense was quite impressive; he was able to answer every specific question quite clearly and was able to obtain a unanimous "pass" from the examiners in their subsequent closed door meeting.		
Summary of Examination Results or confirmation of Academic Skills	The candidate incorporated all the improvement comments that were given during examination process, has submitted one of the better APU PhD dissertations and I consider his contribution both valuable and practical.		