

SCIENTIFIC CURRICULUM VITAE

1. Personal details

1	Full name	KOTERA Akihiko	Year of birth	1972	Male
	Academic title	Ph.D	Administrative position	Lecturer	
2	Institution and address	Vietnam Japan University			
		Luu Huu Phuoc, My Dinh, Nam Tu Liem, Ha Noi			
	Department	Climate Change and Development			
3	Telephone	024 7306 6001 (Ext. 5050)	Mobile	0937410082	
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2. Qualifications:

Year	Academic Institution	Major	Academic degree
2005	Kyoto University	Agricultural Sciences	Ph.D
1997	Kyoto University	Agricultural Sciences	Master
1995	Chica University	Agricultural Sciences	Bachelor

3. Personal experience:

Year	Institution	Address	Position
2017-current	Vietnam Japan University, VNU	Luu Huu Phuoc, My Dinh, Nam Tu Liem, Ha Noi	JICA expert / Lecturer
2017-2017	Institute for Global Change Adaptation Science (ICAS), Ibaraki University	Mito, Japan	Researcher
2016 - 2017	Kobe University	Kobe, Japan	Assistant professor
2015 - 2016	Research Institute for Humanity and Nature	Kyoto, Japan	Senior Researcher
2010 - 2015	Kobe University	Kobe, Japan	Research Fellow

2005 - 2010	National Institute for Agro-Environmental Science	Tsukuba, Japan	Research Fellow
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4. Language (Rating: A- Poor; B- Fair; C- Sufficient; D- Fluent)

Language	Reading	Writing	Speaking
Japanese	D	D	D
English	C	C	C
Vietnamese	B	B	B

5. Expertise and research interests

5.1. Main research orientation (within the last 5 years)

5.2. List of research projects (within the last 5 years)

No	Project name	Funding institution and funded amount	Duration	Position/role in the project
1	Comprehensive damage mitigation measures against floods and droughts in crop production in the Southeast Asia	JSPS KAKENHI Grant	FY2017-2020	Research representative / Remote-sensing
2	Development of monitoring system for flood damages in crop production	JAXA	FY2017-2019	Research representative / Remote-sensing
3	Study on Rural Design toward Load Reduction and Disaster Mitigation	University project	FY 2016	Research member/ Remote-sensing
4	Assessment of flood damages in crop production in the South-East Asia region using satellite remote-sensing technology	JSPS KAKENHI Grant	FY 2014-2016	Research representative / Remote-sensing
5	Designing Local Frameworks for Integrated Water Resources Management	Institutional project	FY 2011-2015	Research member/ Remote-sensing and science communication
6	Long-term vision for the sustainable use of the world's freshwater resources	JST CREST	FY 2010-2014	Research member/ Remote-sensing

5.3. Publications and accomplishments (*List all articles in specialized scientific journals, scientific conference proceedings, and scientific awards, in order: author's name; year of publication; name of research results published; journal name / publisher; number, volume release; site of construction; ISSN number*).

5.3.1 Articles in science and technology journal are on the list of SCI, SCIE, SSCI or AHCI of the Institute of Information Science (ISI), USA (including ISSN number)

No	Author	Year	Publications	Publishers/No, vol, page	ISSN/ISBN	Proof (*)	Notes
1	Bilgili, A.V., Yeşilnacar, İ., Kotera, A., et al.	2018	Post-irrigation degradation of land and environmental resources in the Harran plain, southeastern Turkey	Environ Monit Assess. 190: 660			
2	Kotera, A., Nagano, T., Hanittinan, P.,	2016	Assessing the degree of flood damage to rice crops in the Chao Phraya delta,	Paddy and Water			

	Koontanakulvong, S.		Thailand, using MODIS satellite imaging	Environment14: 271-280.			
3	Fujihara, Y., Hoshikawa, K., Fujii, H., <u>Kotera, A.</u> , Nagano, T. and Yokoyama, S.	2016	Analysis and attribution of trends in water levels in the Vietnamese Mekong Delta	Hydrological Processes 30(6): 835-845			
4	Nagano, T., Ono, Y., <u>Kotera, A.</u> , Singh, A.	2016	Detecting fluctuation of rice cultivated areas in semi-arid regions by combined use of MODIS and Landsat imagery	Hydrological Research Letters 9 (4): 107-112			
5	Ikeuchi, H., Hirabayashi, Y., Yamazaki, D., Kiguchi, M., Koirala, S. Nagano, T. <u>Kotera, A.</u> , Kanae, S.	2015	Modeling complex flow dynamics of fluvial floods exacerbated by sea level rise in the Ganges-Brahmaputra-Meghna Delta	Environmental Research Letters 10 p.124011			
6	<u>Kotera, A.</u> , Khang, N. D., Sakamoto, T., Iizumi, T. and Yokozawa, M.	2014	A modeling approach for assessing rice cropping cycle affected by flooding, salinity intrusion and monsoon rains in the Mekong Delta, Vietnam	Paddy and Water Environment. 12, 343-354			
7	Marui, A., <u>Kotera, A.</u> , Furukawa, Z., Yasufuku, N., Omine, K., Nagano, T., Tuvshintogtokh, I., Mandakh, B.	2014	Monitoring the growing environment of wild licorice with analysis of satellite data at a semi-arid area in Mongolia	J. Arid Land Studies, 24(1), 199-202.			
8	Hoshikawa, K., Nagano, T., <u>Kotera, A.</u> , Watanabe, K., Fujihara, Y., and Kozan, O.	2014	Classification of crop fields in northeast Thailand based on hydrological characteristics detected by L-band SAR backscatter data	Remote Sensing Letters. 5: 323-331.			
9	Tojo, B., <u>Kotera, A.</u> , Nakai, K., Nagano, T., Kobayashi, S. and Moji, K.	2012	Evaluation of recent forest cover change in Savannakhet province, Lao PDR, using satellite imageries and APHRODITE data	Global Environmental Research. 15 : 119-129.			
10	Iizumi, T., Nishimori, M., Yokozawa, M., <u>Kotera, A.</u> and Khang, N. D.	2012	Statistical downscaling with Bayesian inference: Estimating global solar radiation from reanalysis and limited observed data	International Journal of Climatology 32: 464-480.			
11	N.D. Khang, <u>Kotera, A.</u> , Iizumi, T., Sakamoto, T. and Yokozawa, M.	2010	Variations in water resources in the Vietnamese Mekong Delta in response to climate change and their impacts on rice production.	J.Agric.Meteorol 66: 11-21.			
12	Sakamoto, T., C.V. Phung, <u>Kotera, A.</u> , N.D. Khang and Yokozawa, M.	2009	Detection of Yearly Change in Farming Systems in the Vietnamese Mekong Delta from MODIS Time-Series Imagery	JARQ 43 (3): 173- 185.			
13	Sakamoto, T., C.V. Phung, <u>Kotera, A.</u> , N.D. Khang and Yokozawa, M.	2009	Analysis of rapid expansion of inland aquaculture and triple rice-cropping areas in a coastal area of the Vietnamese Mekong Delta using MODIS time-series imagery	Landscape and Urban Planning 92: 34-6.			
14	<u>Kotera, A.</u> , Sakamoto, T., N.D. Khang and Yokozawa, M.	2008	Regional consequences of seawater intrusion on rice productivity and land use in coastal area of the Mekong River Delta	JARQ 42(4): 267-274.			
15	N.D. Khang, <u>Kotera, A.</u> , Sakamoto, T. and Yokozawa M.	2008	Sensitivity of salinity intrusion to sea level rise and river flow change in Vietnamese Mekong Delta - Impacts on availability of irrigation water for rice cropping	J.Agric.Meteorol 64(3):167-176.			
16	<u>Kotera, A.</u> , Sakamoto, T. and Yokozawa, M.	2007	Determining the spatial pattern of rice cropping schedules using time-series satellite imagery in the Red River Delta, Vietnam	Int. J. Geoinformatics 3(4): 1-8.			
17	<u>Kotera, A.</u> and Nawata, E.	2007	Role of plant height in the submergence tolerance of rice: a simulation analysis using an empirical model	Agric. Water Manage. 89: 48-58.			
18	Sakamoto, T., N.V. Nhan, <u>Kotera, A.</u> , Ohno, H., Ishitsuka, N. and Yokozawa, M.	2007	Detecting temporal changes in the extent of annual flooding within the Cambodia and the Vietnamese Mekong Delta from MODIS time-series imagery	Remote Sensing of Environment. 109(3): 295-313.			
19	<u>Kotera, A.</u> , Nawata, E., P.V. Chuong, N.N.Giao and Sakuratani, T.	2004	A Model for Phenological Development of Vietnamese Rice Influenced by Transplanting Shock	Plant Prod. Sci. 7(1):62-69.			

5.3.2 Other published or registered research results (international, domestic, reports, scientific awards, ...)

No	Author	Year	Publications	Publishers/No, vol, page	ISSN/ISBN	Proof (*)	Notes

5.3.3 Published books/textbooks

No	Author	Year	Publications	Publishers/No, vol, page	ISSN/ISBN	Proof (*)	Notes
1	<u>Kotera, A</u>	2016	Fostering of mutual dialogue with information tools.	Bensei shuppan , pp.249-270, in "Sharing the water resources"	978-4-585-23040-3		

I pledge and take responsibility for the accuracy of the information provided in this scientific resume.

APPLICANT's INSTITUTION

(Sign, full name, and sealed)

20/06/2019

APPLICANT

小寺昭彦

Kotera Akihiko