



Vietnam International  
**WATER**  
Week 22-25 March, 2019  
Hanoi, Vietnam

# VIETNAM INTERNATIONAL WATER WEEK

# VACI 2019

Water Smarter -  
Leaving No One Behind  
22-25 March 2019, Hanoi, Vietnam

## PROCEEDINGS & DIRECTORY

CONFERENCE | EXHIBITION | BUSINESS CONNECT | SOCIAL-NETWORKING  
HOSTED BY VIETNAM WATER COOPERATION INITIATIVE - VACI/NAWAPI  
MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT (MONRE) OF VIETNAM



SCIENCE AND TECHNICS PUBLISHING HOUSE

## ▪ Agenda

	Order	Presentation / Discussion topic	Confirmed Speakers
Session plan in details	1	Introduction	
	2	Keynote: Assessment of temporal and spatial variations in climate extremes in the 3S River Basin	<b>Dr. Sangam Shrestha</b> The Asian Institute of Technology (AIT), THAILAND
	3	Climate change impact on the hydrology and the water balance of the 3S River Basin	<b>Dr. Muhammad Babur</b> The Asian Institute of Technology (AIT), THAILAND
	4	Evaluation of The Climate Change Impact on Water Balance of Srepok River Basin Using an Ensemble of RCMs	<b>Pragya Pradhan</b> Water Engineering and Management, Asian Institute of Technology, THAILAND
	5	Assessment of Climate Change Impacts on Water Resources in the Songkhram River Basin, Thailand	<b>Siriwat Boonwichai</b> The Asian Institute of Technology (AIT), THAILAND
	6	Coupling hydrological modeling with a participatory approach in managing water security of Stung Chinit River Basin, Cambodia under a changing climate	<b>Manish Shrestha</b> Stockholm Environment Institute (SEI), THAILAND
	7	Assessment of the impact of climate change and mining activities on streamflow and loading of selected metals in the Chindwin River, Myanmar	<b>Shakthi K. Gunawardana</b> Asian Institute of Technology (AIT), THAILAND
	8	Cultivation Method and Water Management Influence Growth, Yield and Water Productivity of Lowland Rice	<b>Hayat Ullah</b> The Asian Institute of Technology (AIT), THAILAND
	9	Building community resilience to flood in Mekong Delta, Vietnam: Local Experience of An Giang Province of Vietnam	<b>Tan Sinh Bach</b> Vietnam Institute of Science, Technology and Innovation, VIETNAM
	10	Change of Seasonal Streamflow over South Korea due to Climate Change	<b>Ha Thi Thu Doan (doanha)</b> Sejong University, KOREA
	11	Uncertainty assessment for climate change impact on streamflow and water quality the Dong Nai River Basin, Vietnam	<b>Dao Nguyen-Khoi</b> Vietnam National University Ho Chi Minh City, VIETNAM
	12	Effects of climate change on streamflow in Ben Hai river streamflow, Vietnam	<b>Ngoc Duong Vo</b> Da Nang University, VIETNAM
	13	Study of the climate change impacts on surface water quality in DongNai Province and proposed solutions to climate change	<b>Anh Thi Lan VU</b> Hanoi University of Natural Resources and Environment VIETNAM
	14	Drought Risk Assessment Using Climate Change Future Scenario Over South Korea	<b>Joo-Heon Lee</b> KOREA
	15	Panel Discussion	

## STUDY OF THE CLIMATE CHANGE IMPACTS ON WATER RESOURCES IN DONGNAI PROVINCE AND PROPOSED SOLUTIONS

*Anh Thi Lan Vu, Dong Phuong Nguyen, Thuy Thi Ngoc Dang,  
Hong Thi Nguyen, Ngoc Thi Tran*



### Anh Thi Lan Vu

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Over 8 years of experience in doing research and teaching on environmental management, environmental economic in Vietnam. She has published about 15 articles domestically and internationally.

Dong Nai province has abundant surface water and groundwater resources. However, in recent years, Dong Nai province, due to the impacts of climate change and weather in the province, has unusual changes, hot weather has occurred in the rainy season, rainfall has been distributed. Climate change strongly affects water resources in all aspects. Changes in water resources will affect related areas: change in exploitation, use and management, adjustment, change of policies and laws related to water resources. To minimize the impacts of climate change and changes of water resources on people as well as the process of socio-economic development, should evaluate the impact of climate change on water resources (including reserves, quality), the regime and water demand of related sectors; master planning of water resources, building reserve systems; the construction of dams, reservoirs to calculate water to avoid affecting the main flow.

**Keywords:** Dong Nai province, water resources, climate change, solutions

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