

Name	DANG Truong An		
Position	Associate Professor, Department of Oceanology - Meteorology and Hydrology		
Academic Career		<i>Institution</i>	<i>Year</i>
	Doctoral Degree	Gangneung-Wonju National, South Korea	2014
	Master's degree	University of Science, VNU.HCM	2008
	Undergraduate degree: Physics	University of Science, VNU.HCM	2002
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Lecturer	University of Science, VNU.HCM	2002-Present
Research and development projects over the past 5 years	<i>Name of project or research focus</i>	<i>Body funding</i>	<i>Role/ Period</i>
	Morphological change in channels of the Bassac River estuaries under the impact of climate change, relative sea-level rises and unsustainable exploitation activities	VNUHCM	Leader 2025-2026
	The shift of the rainy season rainfall features under the background of climate variability on the rice cultivation regions of the Mekong Delta	VNUHCM	Leader 2023-2024
	Establishing rainfall intensity-duration-frequency curves (IDF) to support urban flood warnings for Ca Mau City in the context of climate change.	VNUHCM	Leader 2021-2022
	Hydrodynamics processes driving the sediment transport along the coast of the Mekong Delta	VNUHCM	Member 2020-2021

	Calculating irrigation water demand for agricultural production in the Mekong Delta under the influence of climate change	VNUHCM	Leader 2018-2019
Industry collaborations over the past 5 years	<i>Project titles</i>	<i>Partners</i>	
	Institute for Disaster Prevention, Gangneung-Wonju National University, South Korea	Member	
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
	None	None	
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.:</i> 1. Le T.N, Dang T.A, Hoang T.V.H. (2025). Assessment of soil property alteration caused by unsustainable reclamation activities. Revista Brasileira de Engenharia Agrícola e Ambiental. v.29, n.2, e279919. DOI: http://dx.doi.org/10.1590/1807-1929/agriambi.v29n2e279919 2. Van T.N., Dung, N.T., Hiep, N.T., Dang, T.A. (2025). Assessment of Mangrove Cover Change Based on Combining Remote Sensing Technique and Hydrodynamic Model Simulation. Journal of Environmental & Earth Sciences. 7(2): 151–160. DOI: https://doi.org/10.30564/jees.v7i2.7730 3. Nguyen C.T, Dang T.A. (2025). Assessing water level variability in the Mekong Delta under the impacts of anthropogenic and climatic factors. Journal of Environmental & Earth Sciences, vol. 7, 103-115, 2024. https://doi.org/10.30564/jees.v7i1.7355 4. Bui, M.T., Dang, T.A. (2025). Shifting in Rainy Season Features in the Mekong Delta under the Background of Global Climate Change. Indian Journal of Agricultural Research. 1-6. doi: 10.18805/IJARE.AF-911. DOI: https://doi.org/10.30564/jees.v7i2.7730 5. Nguyen C.T, Dang T.A. (2024). Monsoonal influence on sediment grain distribution along the subaqueous Mekong Delta coastal zone, Vietnam. Bulletin of the Tomsk Polytechnic Uni. Geo Assets Engineering, Vol. 335 No. 11, 104-111. 2024. https://doi.org/10.18799/24131830/2024/11/4529. 6. Phung, T.D and Dang, T.A. (2023). Adapting to climate variability for rice cultivation paddies in the lowland coastal regions of Kien Giang Province, Vietnam. Die Bodenkultur: Journal of Land Management, Food and Environment. 74(1), 27–34. 7. Thanh C. Nguyen, An T. Dang, Khuong N.T. Tran. (2022). Monsoonal sediment transport along the subaqueous Mekong Delta: An analysis of surface sediment grain-size changes. Ocean Systems Engineering, Vol. 12, No. 4, 403-411. 8. T. A. Dang. (2022). Establishment of flood hazard mapping based on simulating rainfall intensityduration-frequency curve for the Ca Mau Peninsula of Vietnam. MAUSAM, 73(2), 355-364.		

	9. T. T. T. Nguyen, P. H. Y. Hoang and T. A. Dand. (2022). Climate variability induced drought across the coastal fringes of the Mekong Delta, Vietnam. MAUSAM, 73(3), 525-536. 10. T. K. H. Dinh & T. A. Dang. (2022). Potential risks of climate variability on rice cultivation regions in the Mekong Delta, Vietnam. Brazilian Journal of Agricultural and Environmental Engineering. v.26, n.5, p.348-355. 11. T. K. H. Dinh & T. A. Dang. (2022). Utilizing the abundant solar radiation for optimizing the planting space of tomato (<i>Lycopersicon esculentum</i>) var. Rita under greenhouse conditions. Res. Crop. 23 (1): 133-138. 12. T. K. H. Dinh & T. A. Dang. (2022). Assessment of brackish water usability for irrigating the coastal sugarcane fields under the background of saline intrusion. Indian Journal of Agricultural Research. Doi: 10.18805/IJARE.AF-710 7. Truong An, Dang. (2020). Simulating rainfall IDF curve for flood warnings in the Ca Mau coastal area under the impacts of climate change. International Journal of Climate Change Strategies and Management. Vol. 12 No. 5, pp. 705-715. 8. Truong An Dang. (2021). Grain yield optimization in the Plain of Reeds in the context of climate variability. Brazilian Journal of Agricultural and Environmental Engineering. v.25, n.9, p.591-596. 9. Truong An, Dang et al., (2018). Combining rainfall-runoff and hydrodynamic models for simulating flow under the impact of climate change to the lower Sai Gon-Dong Nai River Basin. Paddy and Water Environment, Volume 16, 457–465. 10. Truong An Dang et al. (2019). Spatio-temporal variations in meteorology drought over the Mekong River Delta of Vietnam in the recent decades. Paddy and Water Environment, 17, pp. 35–44. 11. Truong An Dang. (2018). Experimental investigation and numerical simulation of morphological changes in natural channel bend. Journal of applied fluid mechanics. Journal of Applied Fluid Mechanics, Vol. 11, No. 3, pp. 721-731.		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Role</i>	<i>Period</i>
	None	None	None
Website	https://phys.hcmus.edu.vn/		