

Staff Handbook -Tran Thi Van

Name (Họ và Tên)	TRAN THI VAN		
Post (Ví trí)	Lecturer		
Academic career (Quá trình đào tạo)	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>
	PhD, <i>Using and Conserving Environmental Resources</i>	Institute for Environment and Resources, Vietnam National University Ho Chi Minh City (VNUHCM)	2005-2011
	<i>M.Eng, Geomatics</i>	University of Technology (HCMUT), Vietnam National University Ho Chi Minh City (VNUHCM)	2003 – 2005
	<i>Engineer Degree, Meteorology</i>	Russian State Hydrometeorological University (former, Leningrad Hydrometeorological Institute, USSR)	1996 – 2001
Employment (Nghề nghiệp)	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	<i>Lecturer</i>	Faculty of Environment & Nature Resources. Ho Chi Minh City University of Technology (HCMUT), VNUHCM	2014-present
	<i>Lecturer</i>	Institute for Environment and Resources, VNU-HCMC	2004 – 2014
	<i>Researcher</i>	Sub-Institute of Geography,	1989-2004

	Vietnam National Centre for Natural Science and Technology				
Research and development projects over the last 5 years (Thành tích dự án và nghiên cứu trong năm gần)	<p><i>Name of project or research focus (Tên dự án, đề tài):</i></p> <ol style="list-style-type: none"> <i>1. Research to determine spatial distribution of surface water quality from satellite data, applied to Dau Tieng reservoir (2021-2022; VNU-HCM);</i> <i>2. Assessing fine dust concentration distribution PM2.5 for Ho Chi Minh city under air pollution risk by integrating satellite data and ground observation (2020 – 2021; HCMUT);</i> <i>3. Research on assessment of thermal comfort status for Ho Chi Minh city by spatial technology approach (2020-2021, HCMUT)</i> <i>4. Development of the urban natural environmental quality index based on satellite data to assess spatial distribution to support urban sustainable planning (2019-2020, HCMUT)</i> <i>5. Research on the development of integrated drought assessment method for a territory (2018-2019, HCMUT)</i> <i>6. Application of remote sensing and field data to monitor saline soil in Tra Cu district, Tra Vinh province (2018-2019, HCMUT)</i> <i>7. Building geographic information system of Mekong Delta (2015-2018, Southwest Program, State-level project)</i> <i>8. Study on the effect of thermal environment on urban rain characteristics in urban hydrological cycle in Ho Chi Minh City (2016, HCMUT)</i> 				
Industry collaborations over the last 5 years (Hợp tác với doanh nghiệp)	1.				
Patents and proprietary rights (Sở hữu trí tuệ)	<table border="1"> <thead> <tr> <th><i>Title</i></th> <th><i>Year</i></th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	<i>Title</i>	<i>Year</i>		
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<p>Important publications over the last 5 years (Bài Báo nổi bật trong 5 năm gần)</p>	<ol style="list-style-type: none"> 1. Vo Quoc Bao, Tran Thi Van*, An Empirical Relationship between PM2.5 and Aerosol Optical Depth from MODIS Satellite Image for Spatial Simulation over Ho Chi Minh City, <i>Vietnam Journal of Science, Technology and Engineering (VJSTE)</i>, (in press), , 2021 2. Pham Thuy Duong, Tran Thi Van*, Shoreline fluctuation of Can Gio district in the period 1989-2019, <i>Journal of Science and Technology Development - Natural Sciences</i> (in press), VNU-HCM Press, ISSN 1859-0128, , 2021 3. Nguyen Hoang Thong, Le Xuan Thuyen, Tran Thi Van*, Monitoring Techniques For Algae Blooms From Space, <i>Journal of Science and Technology Development - Natural Sciences</i> (in press), VNU-HCM Press, ISSN 1859-0128, , 2021 4. Nguyen Ngan Ha, Tran Thi Thu Huong, Pham The Vinh and Tran Thi Van, Surface water pollution risk from Viet Nam water quality index (VN-WQI) in Ca Mau city, Mekong Delta, <i>Nature Environment and Pollution Technology</i>, Vol. 20, No. 4, , 2021 5. Dinh Thi Kim Phuong, Nguyen Ngan Ha, Tham Thi Ngoc Han, Tran Thi Van, Developing integrated index for evaluating the urban natural environmental quality from remote sensing technology, <i>IOP Conference Series: Earth and Environmental Science</i>, 652, 012019, 2021. https://iopscience.iop.org/article/10.1088/1755-1315/652/1/012019 6. Nguyen Trinh Duc Hieu, Nguyen Huu Huan, Hoang Trung Du, Nguyen Minh Hieu, Vo Hai Thi, Nguyen Kim Hanh, Tran Thi Van*, (2020). Spatio - temporal variations of sea surface temperature in coastal waters of Khanh Hoa province (South Viet Nam) during the period of 2010-2019, <i>Journal of Science and Technology Development - Engineering & Technology</i>, VNU-HCM Press, ISSN 1859-0128, 3(4):531-541. DOI: https://doi.org/10.32508/stdjet.v3i4.750 7. Vinh N.Q., Van T.T. (2020) Resilient Spatial Planning for Drought-Flood Coexistence ('DFC'): Outlook Towards Smart Cities. In: Roggema R., Roggema A. (eds) <i>Smart and Sustainable Cities and Buildings</i>. Springer, Cham. https://doi.org/10.1007/978-3-030-37635-2_3 8. Tran Thi Van, Nguyen Ngan ha, Ha Quoc Viet, Nguyen Dinh Hoang Long, Ha Duong Xuan Bao, (2020). Method of drought evaluation for a territory by the land surface temperature and vegetation relationship from remote sensing data, <i>Journal of Science and Technology Development - Engineering & Technology</i>, 2(4), 306-315. DOI: https://doi.org/10.32508/stdjet.v2i4.610 9. Tran Thi Van, Nguyen Duong Lam Toi, Phan Thi Diem Huynh, Nguyen Ngan Ha, Ha Duong Xuan Bao, (2020). Assessing drought from satellite data to support agricultural production, <i>Science & Technology Development Journal – Science of The Earth & Environment</i>, 4(1), 178-187. DOI: https://doi.org/10.32508/stdjsee.v4i1.510 10. Ha Quoc Viet, Nguyen Thuy Tien, Nguyen Ngan Ha, Ha Duong Xuan Bao, Le Thi Cam Huong, Tran Thi Van*, (2019). Research on detecting CO2 concentration to support climate change monitorin, <i>Vietnam Journal of Construction</i>, 4-2019, 53-57 11. Ha Duong Xuan Bao, Dang Thi Mai Nhung, Tran Ngoc Xuan Quynh, Vo Quoc Bao, Tran Thi Van*, (2019). Urban rain characteristics in ho chi minh city from satellite and in-situ data, <i>Vietnam Journal of Construction</i>, 4-2019, 35-39 12. Nguyen Ngan Ha, Ha Quoc Viet, Nguyen Dinh Hoang Long, Vu Thi Thuong, Ha Duong Xuan Bao, Tran Thi Van*, (2019). Drought evaluation on a territory by space technology solution, <i>Vietnam Journal of Construction</i>, 4-2019, 40-43 13. Nguyen Hoang Tan Truong, Thi Cam Huong Le, Duong Xuan Bao Ha, Thi Van Tran*, (2019). Remote sensing technology-based estimation of atmospheric CO2 concentration to support efforts to reduce greenhouse gas emissions,
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	<p><i>Vietnam Journal of Science, Technology and Engineering (VJSTE)</i>, Doi: 10.31276/VJSTE.61(4).88-94, 61(4), 88-94</p> <p>14. Phu Cuong Tran, Thi Van Tran*, (2019). Exploiting WebGis technology to build an environmental database to support the environmental management of Ho Chi Minh city, <i>Vietnam Journal of Science, Technology and Engineering (VJSTE)</i>, Doi: 10.31276/VJSTE.61(4).76-81, 61(4), 76-81</p> <p>15. Pham Ngo Khoa, Nguyen Van Tinh, Tran Thi Van, (2019). Change of urban land cover and influence on utilities of land resources, <i>Vietnam Journal of Construction</i>, 4-2019, 58-61</p> <p>16. Vo Quoc Bao, Tran Thi Van, (2019). Assessment of PM2.5 dust spatial distribution to support urban green development, <i>Vietnam Journal of Construction</i>, 4-2019, 49-52, 2019</p> <p>17. Nguyen Nguyen Vu, Le Van Trung, Tran Thi Van (2019), Evaluating salinity intrusion in estuaries using remote sensing data integrated in-situ observation, <i>Journal of Science and Technology Development, Special Issue "Science of the Earth and Environment"</i>, VNU-HCM Press, ISSN 1859-0128, vol. 14(M1), pp. 65-76. DOI: https://doi.org/10.32508/stdjsee.v2i2.493</p> <p>18. Nguyen Trinh Duc Hieu, Tran Thi Van, Nguyen Huu Huan (2019), Fluctuations of photosynthetic radiation in the South Central Coast from satellite data, <i>Journal of Transportation Science and Technology</i>, Vol 30-02</p> <p>19. Tran Thi Van, Tham Thi Ngoc Han, Pham Khanh Hoa (2018), Assessing the status of green space - a measure of environmental quality towards green urban development for Ho Chi Minh City, <i>Journal of Transportation Science and Technology</i>, vol 29, 56-63, 2018</p> <p>20. Ho Thanh Truc, Tran Thi Van, Vo Thanh Huy (2018), Application of remote sensing to develop a map of the area of flash flood - research potentials for Ky Lo and Phu Yen river basins. <i>Journal of Vietnam Construction</i>, 9, 45-47, 2018</p> <p>21. Van, Tran Thi; Tien, Tran Viet; Toi, Nguyen Duong Lam; Bao, Ha Duong Xuan (2018), Risk of Climate Change Impacts on Drought and Forest Fire Based on Spatial Analysis and Satellite Data, Proceedings, MDPI Publisher, ISSN 2504-3900, 2(5), 189</p> <p>22. Van, T.T.; Tran, N.D.H.; Bao, H.D.X.; Phuong, D.T.T.; Hoa, P.K.; Han, T.T.N (2018), Optical Remote Sensing Method for Detecting Urban Green Space as Indicator Serving City Sustainable Development, Proceedings, MDPI Publisher, ISSN 2504-3900, 2(3), 140</p> <p>23. Han, Tham Thi Ngoc; Hoa, Pham Khanh; Khoa, Ha Bao; Van, Tran Thi (2018), Understanding Satellite Image-Based Green Space Distribution for Setting up Solutions on Effective Urban Environment Management, Proceedings, MDPI Publisher, ISSN 2504-3900, 2(10), 570</p> <p>24. Vu, Nguyen Nguyen; Trung, Le Van; Van, Tran Thi (2018), Development of the Statistical Model for Monitoring Salinization in the Mekong Delta of Vietnam Using Remote Sensing Data and In-Situ measurements, Proceedings, MDPI Publisher, ISSN 2504-3900, 2(10), 565</p> <p>25. Thi Van, Tran; Hang Hai, Nguyen; Quoc Bao, Vo; Duong Xuan Bao, Ha (2018), Remote Sensing-Based Aerosol Optical Thickness for Monitoring Particular Matter over the City, Journal of Proceedings, MDPI Publisher, ISSN 2504-3900, 2(7), 362</p> <p>26. Tran Thi Van, Ha Duong Xuan Bao, Nguyen Thi Tuyet Mai (2017), Satellite image-based quantitative assessment of surface urban heat island supporting environmental management at the city level, <i>Journal of Biodiversity and Environmental Sciences (JBES)</i>, ISSN 2220-6663, 10(3), 224-234. https://innspring.net/jbes/satellite-image-based-quantitative-assessment-surface-urban-heat-island-supporting-environmental-management-city-level/</p>
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	<p>27. Tran Thi Van, Ha Duong Xuan Bao (2017), Quantifying the relationship between impervious surface and urban heat environment in the Southeast Megalopolis of Vietnam, <i>Journal of Biodiversity and Environmental Sciences (JBES)</i>, ISSN 2220-6663, 10(3), 158-169. https://innspub.net/jbes/quantifying-relationship-impervious-surface-urban-heat-environment-southeast-megalopolis-vietnam/</p> <p>28. Tran Thi Van, Ha Duong Xuan Bao, Dinh Thi Kim Phuong, Nguyen Thi Tuyet Mai (2017), Thermal environment characteristics and changes in surface urban heat island in the north of Ho Chi Minh City, <i>Journal of Science, Publishing House of Can Tho University</i>, 49a, 11-20</p>						
<p>Activities in specialist bodies over the last 5 years (Hoạt động cá nhân đặc trưng trong 5 năm gần)</p>	<table border="1"> <thead> <tr> <th data-bbox="528 528 826 573"><i>Organisation</i></th> <th data-bbox="826 528 1114 573"><i>Role</i></th> <th data-bbox="1114 528 1428 573"><i>Period</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="528 573 826 745"></td> <td data-bbox="826 573 1114 745"></td> <td data-bbox="1114 573 1428 745"></td> </tr> </tbody> </table>	<i>Organisation</i>	<i>Role</i>	<i>Period</i>			
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