

Full name: BUI TA LONG

✓ **Gender:** Male

✓ **Place of work:**

University: Ho Chi Minh City University of Technology

Faculty: Environment and Natural Resources

Department: Laboratory for Environmental Modelling and Software

Position: Head of Laboratory

✓ **Degree:** Doctor of Sciences **Year:** 1998

✓ **Academic title:** Associate Professor

✓ **Contact:**

<i>No.</i>		<i>Office</i>
1	Address	268 Ly Thuong Kiet, District 10
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1. Foreign language: (rating: A- Poor/ deficient; B- Fair; C- Sufficient; D- Fluent)

<i>No.</i>	<i>Language</i>	<i>Listening</i>	<i>Speaking</i>	<i>Writing</i>	<i>Reading</i>
1	English	D	C	D	D
2	Russian	D	D	D	D

✓ **Working history:**

<i>Duration</i>	<i>Place</i>	<i>Position</i>
1989-1997	Institute of Applied Mechanics	Researcher
1997-2002	Institute of Applied Mechanics	Head of Environmental Informatics Dept
1998-2002	Institute of Applied Mechanics	Director
2003-2005	Institute of Applied Mechanics	Researcher
2006-2013	Institute of Environment and Resources	Head of Environmental Informatics
2014-now	University of Technology	Head of Environmental Modelling and Software

✓ **Education outline:**

<i>Level</i>	<i>Duration</i>	<i>Place</i>	<i>Field</i>	<i>Title of thesis</i>
Bachelor	1980-1989	Moscow State University	Maths-mechanics	On a constant in the Sobolev embedding theorem
PhD	1989-1989	Moscow State University	Maths-mechanics	Application of functional analysis to solve some stability problems
Doctor of Sciences	1997-1998	Institute of Technical, Radio and Electronics, Russian Academy of Sciences	Environmental Modelling	Automation processing of geophysical monitoring data on the territory of Vietnam

✓ **Research interests:**

Environmental Modeling, Geophysical Hydrodynamics, Theory of Systems, Theory of Information Systems

✓ **Selected publication:**

No	Authors	Year	Publications	Name of publishers/ No, Vol, Page	ISSN/ISBN	Notes
1	Article(s) in ISI-covered journals					
2	Article(s) in other international journals					
2.1	Bui Ta Long	2015	Application of the Bessel function to compute the air pollutant with the stratification of the atmospheric	ISSN 1859 - 0128 Science and Technology Development Journal, 2015, Vol.18, pp. 14-21		
2.2	Bui Ta Long	2014	Air quality assessment and air pollution zoning of Hanoi using air quality index	Asian Environmental Technology, ISSN 0963 7362, pages 4-6		

2.3	Bui Ta Long	2014	Impact of climate changes on the livelihood security of minority group in the Daklak province, Viet Nam	Southeast Asian Journal of Sciences, ISSN 2286 - 7724 2014, pp. 105- 109		
2.4	Bui Ta Long	2014	Analytical scheme to analytically solve atmospheric advection – Diffusion equation with mixed boundary condition	Southeast Asian Journal of Sciences, ISSN 2286 - 7724 2014, pp. 102-131		
2.5	Bui Ta Long	1999	Building the computerized tool for evaluating the impact of anthropogenic focus on air environment	Science and Technical Hydro – Meteorological Journal, Vol. 467, N.11, 1999, p.16-21.		
3	National/International Conference(s)					
3.1	Bui Ta Long	2015	Building WEBGIS model for water resources and environment management for Long Xuyen quadrangle region	Proceedings of Workshop applications on GIS nationwide in 2015, pages 101-105.		
3.2	Bui Ta Long	2015	Changes in water quality at bung river basin, quang nam after the dam construction	Asian Association of Remote Sensing, page 27		

3.3	Bui Ta Long	2014	Air quality assessment of Ha Noi capital by using air quality index	Scientific Conference Proceedings Institute of Mechanics and Applied Informatics, pages 134-143		
3.4	Bui Ta Long	2014	Integrated system for solving flow and advection - diffusion problem	The 2 nd International Conference on Computational Science and Engineering 2014, pages 172-186		
3.5	Bui Ta Long	2014	Cooperative game theory and its application to cost saving pollution	The 2 nd International Conference on Computational Science and Engineering 2014, pages 217-227		
3.6	Bui Ta Long	2014	Calculation and simulation of wood dust separation and pollution spreading in air of cyclone system	Program and Abstract of the 3th International Conference on Engineering Mechanics and Automation, page 32		
3.7	Bui Ta Long	2014	Dispersion model for evaluation the influence of surface absorption to the level and scope of the pollution in the atmosphere	Program and Abstract of the 3th International Conference on Engineering Mechanics and Automation, page 32		

3.8	Bui Ta Long	2014	Determining carrying capacity of Cai Nha Trang river using CLIM model	The Second Science and Technology Conference 2014, page 9		
3.9	Bui Ta Long	2014	Integrated tool for management hazardous solid waste in ho chi minh city by using e-card and gis technology	The 8 th Asian-Pacific Symposium-Special Symposium in Viet Nam, page 23		
3.10	Bui Ta Long	2014	Application model and GIS to assess the impact of environmental pollution due to dust in the quarrying area	Proceedings of Workshop Applications 2014 national GIS		
3.11	Bui Ta Long	2014	Assessment of climate change trends at Long Xuyen quadrangle using remote sensing image	Proceedings International Symposium on Geoinformatics for Spatial-Infrastructure development in earth and allied sciences, GIS-IDEAS 2014		
3.12	Bui Ta Long	2014	Building information system serving adaptation, mitigation and impact assessment the climate change for national level	Proceedings International Symposium on Geoinformatics for Spatial-Infrastructure development in earth and allied sciences, GIS-IDEAS 2014		

3.13	Bui Ta Long	2013	Application of GIS and Modeling to assess the impact of environmental pollution due to dust in the quarrying area	The 34th Asian Conference On Remote Sensing (ACRS) Bridging Sustainable Asia		
3.14	Bui Ta Long	2013	Application model and GIS to assess the impact of environmental pollution due to dust in the quarrying area	Conference Indonesia-Asian Association of Remote Sensing,pages SC09-144-SC-151		
3.15	Bui Ta Long	2013	Assessment the impacts of land use and climate change on water discharge of Srepok river watershed, Vietnam	Conference Indonesia-Asian Association of Remote Sensing,pages SC09-152-SC-159		
3.16	Bui Ta Long	2013	Construction software promote ecotourism-case application of Tay Ninh Province	Proceedings of Workshop on GIS applications nationwide, pages 140-149		
3.17	Bui Ta Long	2013	Application of WASP model to build the wind resources map - apply to the province Ninh Thuan	The 3 rd International Conference on Sustainable energy, pages 423-430		

3.18	Bui Ta Long	2013	Application of finite volume element and unstructured mesh for environmental problem	The 13 th Conference on Science and Technology, pages 13-29		
3.19	Bui Ta Long	2013	Numerical solution for advection – diffusion problem by using finite volume element and unstructured mesh	The 13 th Conference on Science and Technology, pages 30-43		
3.20	Bui Ta Long	2013	Air quality assessment of Ha Noi capital by using air quality index	The 13 th Conference on Science and Technology		
3.21	Bui Ta Long	2011	Initial application of benefit sharing model in river basin – application in Dong Nairiver basin	Proceedings of the International Conference on “ Ecological security: Climate change and socio-economicpolicy development implications in the GMS”		
3.22	Bui Ta Long	2011	Building a database and software to support the flood response flood in Quang Nam on WEBGIS.	GIS Conference nationwide in 2011, Pages 213 - 222		

3.23	Bui Ta Long	1988	An application of the GIS-technology to the problem of physics of computing experiment for atmospheric pollution	Problems of environment and natural resources, N 1, p.2-11;		
4	Article(s) in national scientific journals					
4.1	Bui Ta Long	2015	Construction index Sustainable livelihood security (SLSI) for assessing the degree of sustainable development in Binh Thuan Province.	Journal of Hydrology and Meteorology 2 (655) 2015, page 47. 51		
4.2	Bui Ta Long	2014	Air quality assessment of Ha Noi capital by using air quality index	Journal of Hydrology and Meteorology 2 (638) 2014, page 43. 50		
4.3	Bui Ta Long	2014	Construction for zoning map to surface water quality- a case study of Binh Duong	Journal of Science and Technology (52 No. 4C), pp 37-46		

4.4	Bui Ta Long	2013	Applying sustainable livelihood security index (SLSI) for assessing the sustainable development at Ho Chi Minh City	Journal of Science and Technology 50 (4A), 2012, pages 1-8		
4.5	Bui Ta Long	2013	Applied computing model assessment ratio polluting enterprises in the industrial zone.	Journal of Hydrology and Meteorology 8 (620) 2012, pp 6-13		
4.6	Bui Ta Long	2013	Building integrated model support evaluation of saigon river water quality	Journal of Hydrology and Meteorology 9 (621) 2012, pp 13-22		
4.7	Bui Ta Long	2013	Determination the seft – purification capacity for canal river system – sai gon river as a case of study	Journal of Hydrology and Meteorology 2 (626) 2013, pp 1-9		
4.8	Bui Ta Long	2013	Using mike 11 simulate water quality in Ba river, Gia Lai by socioeconomic development scenarios	Journal of Hydrology and Meteorology 4 (628) 2013, pp 52-58		

4.9	Bui Ta Long	2013	Mathematical models and computer evaluation of the diffuse and dry deposition from the atmosphere	Science and technology Conference of the 13th, pages 44-45		
4.10	Bui Ta Long	2012	Mike 11 application model assessment of changes in river water quality Truoi Thua Thien -Hue.	Journal of Hydrology and Meteorology 4 (616) 2012, pp 32-38		
4.11	Bui Ta Long	2012	Applied Ecological and economic models for aquaculture management oriented sustainable development	Journal of Hydrology and Meteorology 7 (619) 2012, pp 16-24		
4.12	Bui Ta Long	2011	The method of calculating economic damages - environment for a polluted river basins - the typical case: Basin Thi Vai River	Journal of scientific development - Technology, Volume 14, No. M1, pages. 5- 15		
4.13	Bui Ta Long	2011	Mike and software combine economic model environmental assessment of damage caused by the oil spill in the sea areas of Vietnam	Meteorological Journal 603 (03/2011): pp.31-41		

4.14	Bui Ta Long	2011	Modeling research management and information sharing water quality - Take basin of Dong Nai river system as an example research	Journal of scientific development - Technology, Volume 14, No. M1, page 17. 28		
4.15	Bui Ta Long	1999	Building the computerized tool for evaluating the impact of anthropogenic on air environment.	Journal of Meteorology and hydrology, Vol. 460, N 4, p. 24-29;		
4.16	Bui Ta Long	1997	Simulation model of pollutant transport and diffusion in the mathematical problem of setting up monitoring system for air pollution	Journal of Meteorology and hydrology, 1997, Vol.442, N.10, p.38-48;		
4.17	Bui Ta Long	1997	Simulation model of pollution transfer and diffusion process in problem of creation of air pollution monitoring system	Science and Technical Hydro – Meteorological Journal, Vol. 442, N.10, 1997, p.38-47;		
5	Others (monographs, patents, scientific awards...)					
5.1	Bui Ta Long	2015	Environmental Modeling	National University of Ho Chi Minh City		

5.2	Bui Ta Long	2015	Practical exercises Environmental Modeling	National University of Ho Chi Minh City		
5.3	Bui Ta Long	2015	Certificate of copyright registration No. 1792/2015 / QTG: VINACLIM climate change Professional software in 2015	Intellectual Property Department		
5.4	Bui Ta Long	2015	Certificate of copyright registration No. 1793/2015 / QTG: D-ENVIM districts Environmental management software in 2015	Intellectual Property Department		
5.5	Bui Ta Long	2015	Certificate of copyright registration No. 5283/2015 / QTG: Sewer Water Resources and Environmental management software in 2015	Intellectual Property Department		
5.6	Bui Ta Long	2010	Certificate of registration of copyright No. 1905/2010 / QTG: ENVIMAP environmental software in 2010	Intellectual Property Department		

5.7	Bui Ta Long	2010	Certificate of registration of copyright No. 2304/2010 / QTG: CAP environment software in 2010	Intellectual Property Department		
5.8	Bui Ta Long	2010	Certificate of registration of copyright No. 2312/2010 / QTG: Waste Environmental Software in 2010	Intellectual Property Department		

Ho Chi Minh, 13/07/2016

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