

## Staff Handbook - Bui Ta Long

Name ( Họ và Tên)	<i>Bui Ta Long</i>		
Post ( Ví trí)	<i>Head of Laboratory for Environmental Modelling</i>		
Academic career ( Quá trình đào tạo)	<i>Initial academic appointment: Pure mathematics</i>	<i>Institution: Pure mathematics</i>	<i>Year: 1980-1985</i>
	<i>Doctorate (subject) (subject): Functional analysis</i>	<i>Institution: Lomonosov Moscow State University, USSR</i>	<i>Year: 1986-1989</i>
	<i>Habilitation [Russian doctoral qualification]: Modelling and Physical experiment</i>	<i>Institution: Institute of Radioengineering and Electronics (IRE), Russian Academy of Sciences</i>	<i>Year: 1997-198</i>
Employment ( Nghề nghiệp)	<i>Position: Institute of Applied Mechanics</i>	<i>Employer: Researcher</i>	<i>Period: 1989 – 1991</i>
	<i>Position: Institute of Applied Mechanics</i>	<i>Employer: Head of Department</i>	<i>Period: 1992 – 1997</i>
	<i>Position: Institute of Applied Mechanics</i>	<i>Employer: Leader</i>	<i>Period: 1998 – 2002</i>
	<i>Position: Institute of Applied Mechanics</i>	<i>Employer: Main Researcher</i>	<i>Period: 2002 - 2005</i>
	<i>Position: Institute of Environment and Natural Resources</i>	<i>Employer: Head of Department</i>	<i>Period: 2006 – 2013</i>
	<i>Position: Ho Chi Minh City University of Technology</i>	<i>Employer: Lecturer</i>	<i>Period: 2013 to present</i>
	<i>Position: Laboratory for Environmental Modelling - Faculty of environment and natural resources - Ho Chi Minh City University of Technology</i>	<i>Employer: Head of Department</i>	<i>Period: 2014 to present</i>
	<i>Name of project or research focus ( Tên dự án, đề tài): Developing a scientific and practical basis applying mathematical models combination</i>		

<p>Research and development projects over the last 5 years ( Thành tích dự án và nghiên cứu trong năm gần )</p>	<p><i>with GIS tools and remote sensing (RS) approaches to simulate air pollution in specific conditions of Vietnam – A case study in Ho Chi Minh city and the surrounding areas.</i></p> <p><i>Period and any other information ( thời gian): 2017-2020</i></p> <p><i>Partners, if applicable ( đối tác): Ministry of Natural Resources and Environment</i></p> <p><i>Amount of financing ( kinh phí đề tài):</i></p> <hr/> <p><i>Name of project or research focus ( Tên dự án, đề tài) : Building a method for estimating emissions from the municipal solid waste landfills – To take the Southern Key Economic Region as a case study</i></p> <p><i>Period and any other information ( thời gian) 2019 - 2020</i></p> <p><i>Partners, if applicable ( đối tác): Viet Nam National University Ho Chi Minh city (VNU – HCM)</i></p> <p><i>Amount of financing ( kinh phí đề tài)</i></p>
<p>Industry collaborations over the last 5 years ( Hợp tác với doanh nghiệp)</p>	<p><i>Project title ( tên dự án)</i></p> <p><i>Partners ( đối tác)</i></p>
<p>Patents and proprietary rights ( Sở hữu trí tuệ)</p>	<p><i>Title: Environmental Information – Model system for Air Pollution Simulation</i> <span style="float: right;"><i>Year: 2020</i></span></p>
<p>Important publications over the last 5 years ( Bài Báo nổi bật trong 5 năm gần)</p>	<p><i>Selected recent publications from a total of approx. (give total number):</i></p> <p><i>Author(s): Bui Ta Long, Nguyen Hoang Phong, Nguyen Chau My Duyen</i></p> <p><i>1.Integrated model for methane emission and dispersion assessment from land fills : A case study of Ho Chi Minh City , Vietnam. Science of the Total Environment, Vol. 738, p. 139865, ISSN:0048 – 9697, ISI/Scopus, SCIE, Q1, IF: 7.963, CiteScore: 10.5, H-INDEXT: 244</i></p> <p><i>2.Methane emission quantification from municipal waste landfills : models and computer software — a case study of Long An. Environmental Science and Pollution Research, no. 7, pp. 1–23, ISSN: 1614-7499, ISI/Scopus, SCIE, Q1, IF: 4.223, CiteScore: 5.50, H-Index: 113.</i></p> <p><i>3.Modelling bank erosion dependence on natural and anthropogenic factors — case study of Ganh Hao estuary , Bac Lieu - Ca Mau. Environmental Technology &amp; Innovation, vol. 19, p. 100975, ISSN:2352 – 1864, ISI/Scopus, SCIE, Q1, IF: 5.263, CiteScore: 4.5, H-Index:28.</i></p> <p><i>4.Linking air quality, health, and economic effect models for use in air pollution epidemiology studies with uncertain factors. Atmospheric</i></p>

<p><i>pollution research</i>, vol. 12, no. 7, p. 101118, ISSN: 1309 – 1042, ISI/Scopus, SCIE, Q1, IF: 4.352, CiteScore: 5.8, H-Index: 45</p> <p>5. Inverse algorithm for Streeter–Phelps equation in water pollution control problem. <i>Mathematics and Computers in Simulation</i>, vol. 171, Pp. 119-126. ISSN: 0378-4754, ISI/Scopus, SCIE, Q1, IF: 2.463, CiteScore: 4, H-Index: 77</p>
<p>Author(s): <i>Bui Ta Long, Nguyen Hoang Phong</i></p> <p>Title: <i>Integrated model for methane emission and dispersion assessment from landfills: A case study of Ho Chi Minh City, Vietnam</i></p> <p>Any other information</p> <p>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers: <i>Science of The Total Environment</i>, 2020. ISSN: 0048-9697.</p>
<p>Author(s): <i>Bui Ta Long</i></p> <p>Title: <i>Inverse algorithm for Streeter–Phelps equation in water pollution control problem</i></p> <p>Any other information</p> <p>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers: <i>Mathematics and Computers in Simulation</i>, 2020. ISSN: 0378-4754.</p>
<p>Author(s): <i>Bui Hong Nhat Linh, Bui Ta Long</i></p> <p>Title: <i>Modelling bank erosion dependence on natural and anthropogenic factors — case study of Ganh Hao estuary, Bac Lieu - Ca Mau, Viet Nam</i></p> <p>Any other information</p> <p>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers: <i>Environmental Technology &amp; Innovation</i>, 2020. ISSN: 2352-1864.</p>

	<p><i>Author(s): Bui Ta Long, Nguyen Hoang Phong, Nguyen Chau My Duyen</i></p> <p><i>Title: Model for assessing health damage from air pollution in quarrying area – Case study at Tan Uyen quarry, Ho Chi Minh megapolis, Vietnam</i></p> <p><i>Any other information</i></p> <p><i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers: Heliyon, 2020. ISSN: 2405-8440.</i></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="526 526 821 571"><i>Organisation</i></th> <th data-bbox="821 526 1093 571"><i>Role</i></th> <th data-bbox="1093 526 1428 571"><i>Period</i></th> </tr> </thead> <tbody> <tr> <td colspan="3" data-bbox="526 571 1428 745"><i>Membership without a specific role need not be mentioned</i></td> </tr> </tbody> </table>	<i>Organisation</i>	<i>Role</i>	<i>Period</i>	<i>Membership without a specific role need not be mentioned</i>		
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