

CURRICULUM VITAE

I. PERSONAL INFORMATION

Full name: **BUI ANH KIET**

Sex: Male

D.O.B: April 17th 1983

P.O.B: Quang Ngai - Vietnam

Position: Lecturer of Faculty of Civil Engineering

Highest degree: Doctor of Philosophy

Year/degree of country: 2020/Thailand

Workplace: Faculty of Civil Engineering, Ho Chi Minh City Open University (OU),

Room 705, 35-37 Ho Hao Hon, Ward Co Giang, Dist. 1, HCM City.

Mobile: (+84).902.366.801

Email: kiet.ba@ou.edu.vn or kiet.bui@oude.edu.vn

II. EDUCATIONAL QUALIFICATION

1. Undergraduate

- Major/Minor: Civil Engineering/Water Resources Engineering
- Place: HCMC University of Technology, Vietnam
- Year of graduation: 2006

2. Master

- Major: Hydraulic Structural Engineering
- Place: HCMC University of Technology, Vietnam
- Year of graduation: 2010

3. Doctor of Philosophy

- Major: Engineering and Technology - Civil Engineering
- Place: Sirindhorn International Institute of Technology (SIIT), Thammasat University, Thailand.
- Year of graduation: 2020

4. Language 1. English Level: Good

5. Certificate:

- *Practicing certificate for Supervision of construction* and *Practicing certificate for Design of construction* approved by *Department of Construction of HCM City*, 2011

6. Training course

- *Professional training in supervision of Hydraulic & Hydropower construction*, organized by *Training institute of management officials*, 2010.
- *Practical guidelines for control of thermal cracking in mass concrete*, organized by *Vietnam Concrete Association, Japan Concrete Institute, and Asian Concrete Federation*, 2011.

7. Usage of specialized software

ANSYS, Midas Civil, Auto-CAD, Geo-Slope, SAP, EPA-NET, HEC-RAS.

III. WORKING PROCESS

Time	Place	Position
Apr 2006 – Dec 2011	Power Engineering Construction Consultant Joint Stock Company No.2 (EVN-PECC2)	- Hydraulic Engineer - Supervisor of Hydropower Project
Jan 2015 – 2020	Sirindhorn International Institute of Technology (SIIT) – Thammasat University, Thailand.	- Ph.D student in Civil Engineering. - Teaching Assistant of Civil Engineering Faculty
Jan 2012 – Present	Faculty of Civil Engineering, HCMC Open University	- Lecturer

IV. EXPERIENCE

Joining as a structural engineer in designing, supervising of hydraulic works (e.g. RCC & earth Dams, Spillway, Intake, Power-plant, Crane-girder) of hydropower plant projects (e.g. Srepok 3, A Vuong, Dong Nai 3,4&5, DakMi 2, Lower Sesan 1-5, Pumped Storage Hydro-electric Plants: Ham Thuan Bac, Don Duong), and dam safety inspection of hydropower projects in Vietnam (e.g. Da Nhim, Yaly, Nam Na 2&3) and oversea projects (e.g Bhumibol dam, Thailand)

V. RESEARCH PROCESS

1. Science research topic

No.	Topic name	Start/End	Level	Position
1	Assessment of current status and forecast of Water Resources Engineer demand in HCMC and neighboring provinces to 2025	2012/2015	OU	Head
2	Temperature distribution of mass concrete with consideration of different placing temperatures.	06/2019-06/2020	OU	Head
3	Evaluation of the effects of placing temperature and ratio of fly ash to cement content on hydration process and structural properties of mass concrete - Experiment and simulation.	2020-2022	OU	Head

2. Publication

List of Publications in International Journals:

1. N.T. Chuc, P.V. Thoan, **B.A. Kiet**, (2018). The Effects of Insulation Thickness on Temperature Field and Evaluating Cracking in the Mass Concrete. *Electronic Journal of Structural Engineering*. Vol. 18(2), pp. 128-132.
2. **Bui, K.A.**, Sancharoen, P., Tanapornraweekit, G., Tangtermsirikul, S., Nanakorn, P., (2019). An evaluation of thermal effects on behavior of a concrete arch dam. *Songklanakarin Journal of Science and Technology*. Vol. 41(5), pp. 1059-1068.

3. T.C. Nguyen, **A.K. Bui**, (2019). Evaluation of the Impact of Parameter Inputs of Concrete Mix on the Distribution of Temperature in the Mass Concrete Structure. *Structural Integrity and Life*. Vol. 19(1), pp. 8-12.
4. **A.K. Bui**, T.C. Nguyen (2020). The Temperature Field in Mass Concrete with Different Placing Temperatures. *Civil Engineering and Architecture*. Vol. 8(2), pp. 94-100.
5. Nguyen-Trong Ho, Trong-Chuc Nguyen, **Anh-Kiet Bui**, and Trong-Phuoc Huynh (2020). Temperature Field in Mass Concrete at Early-Age: Experimental Research and Numerical Simulation. *International Journal on Emerging Technologies*, Vol.11(3), pp. 936–941
6. **A.K. Bui**, P. Sancharoen, S. Tangtermsirikul, G. Tanapornraweekit, and P. Nanakorn (Published Online First 09-2021). Effects of material properties on structural behaviour and safety evaluation of an old arch dam. *Journal of Engineering research*. V_{xix}.9757.

List of Publications in International Conferences/Seminars:

1. **Bui, K.A.**, Sancharoen, P., Tanapornraweekit, G., Tangtermsirikul, S., (2017). Thermal Transient Analysis of the Bhumibol Dam Considering Effects of Solar Radiation and Variation of Reservoir Water Temperature. *The 8th Asia and Pacific Young Researchers and Graduates Symposium (YRGS2017)*, Tokyo, Japan.
2. N.T.Chuc, N.A. Aniskin, **B.A. Kiet**, (2018). An Evaluation of Construction Schedule on Temperature Distribution of Mass Concrete at Early Age in Climate of Vietnam. *The 11th Vietnam-Japan Scientific Exchange Meeting (VJSE2018)*, Sendai, Japan.
3. **Bui K. A.**, Sancharoen P., Tanapornreweekit G., Tangtermsirikul S., (2017). *Thermal Transient Analysis of the Bhumibol Dam Considering Effects of Solar Radiation and Variation of Reservoir Water Temperature*. Measures for Hot Weather Concreting in Asian Countries and the Issue Analysis Based on Climate and Materials (JSPS Core to Core Program), Thailand.
4. **Bui K.A.**, Sancharoen P., Tangtermsirikul S., (2018) *Safety Evaluation of Concrete Arch Dam*. Deterioration of Concrete Structures and Application of Mineral Admixture in Hot Weather Conditions” (JSPS Core to Core Program), Vietnam.
5. N.T.Chuc, **Bui A. Kiet**, Tang V. Lam (2019). The temperature Field in Mass Concrete at an Early Age. *Vietnam – Japan Science and Technology Symposium (VJST2019)*.
6. Trong Chuc Nguyen, **Anh Kiet Bui**, Quoc Long Hoang (2021). *Thermal Cracks in Concrete Structure—The Basic Issues to Be Understood*. Structural Health Monitoring and Engineering Structures (SHM&ES2020). Springer Singapore. Vol.148, 229-240.
7. Nikolay Aniskin, Trong Chuc Nguyen, **Anh Kiet Bui** (2021). *The use of ice to cool the concrete mix in the construction of massive structures*. International Scientific Conference Construction Mechanics, Hydraulics and Water Resources Engineering (CONMECHYDRO 2021). E3S Web of Conferences. Vol.264, 02047.

List of Publications in National Journals:

1. **Bui, A. K.**, (2012). Thermal Analysis in Massive Concrete Dam. *Journal of Science Ho Chi Minh City Open University (in Vietnamese)*.
2. **Bui, A. K.**, (2013). Control Planning For Thermal Cracking in Massive Concrete. *Journal of Science Ho Chi Minh City Open University (in Vietnamese)*.
3. **Bui A.K**, Nguyen T.C. (2020). Effect of initial temperature of concrete mix on temperature distribution of mass concrete. *Vietnam Journal of Construction (in Vietnamese)*. pp. 3-6.

List of Publications in National Conferences/Seminars:

1. **Bui, A. K.**, (2014). *Simulation of temperature distribution and thermal stress in a concrete dam during construction period*. The 5th Symposium of Faculty of Civil Engineering – HCMC Open University (in Vietnamese).

3. Academic Awards

- a) **Excellent Foreign Students (EFS)** scholarship for Ph.D. program (2014-2017) of Sirindhorn International Institute of Technology (SIIT), Thammasat University, Thailand.
- b) **Best Paper Awards** in Conference of Young Researchers and Graduates Symposium (YRGS 2017), Tokyo, Japan, 7-8 September 2017.
- c) Award from “**Thammasat University - Supporting Fund for Graduate students for publications from thesis results**” for Academic year 2017, Thammasat University, Thailand (08 August 2018).

Ho Chi Minh City, Nov 08th 2021

Signature

BUI Anh Kiet