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# PhD supervisor



## Trung-Dung NGHIEM

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### Potential areas for PhD supervision:

Fine and ultrafine PM in the air  
Emission factors of air pollutants  
Development of driving cycles

### Supervising experience:

2 PhD students (graduated)  
4 PhD students (currently)  
30 master students (graduated)

### Employment history in last 5 years:

3/2001 – present      Hanoi University of Science and Technology

### Membership of professional association:

- East Asia Nanoparticle Monitoring Network (EA-NanoNet)
- Vietnam Clean Air Partnership (VCAP)
- Vietnam Environmental Industry Association (VEIA)

### Education – since bachelor degree:

11/2002 – 10/2005      Doctor of Environmental Engineering, HUST, Vietnam.  
11/1994 – 8/1996      Master of Environmental Technology and Management, Asian Institute of Technology (AIT), Thailand.  
10/1980 – 8/1985      Bachelor of Chemistry, Military Technical Academy, Vietnam.

### Selected recent papers:

1. Trung-Dung Nghiem, Thi Thu Thuy Nguyen, Thi Thu Hien Nguyen, Bich-Thuy Ly, Kazuhiko Sekiguchi, Ryosuke Yamaguchi, Chau-Thuy Pham, Quoc Bang Ho, Minh-Thang Nguyen, Thanh Nam Duong, 2020. Chemical characterization and source apportionment of ambient nanoparticles: A case study in Hanoi, Vietnam. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-020-09417-5>.
2. Trung-Dung Nghiem, Yen-Lien T. Nguyen, Anh-Tuan Le, Ngoc-Dung Bui and Huu-Tuyen Pham, 2019. Development of the Specific Emission Factors for Buses in Hanoi, Vietnam. *Environmental Science and Pollution Research*, Vol. 26, No. 23: 24176-24189. <https://doi.org/10.1007/s11356-019-05634-9>.
3. Yen-Lien T. Nguyen, Trung-Dung Nghiem, Anh-Tuan Le and Ngoc-Dung Bui, 2019. Development of the Typical Driving Cycle for Buses in Hanoi, Vietnam. *Journal of the Air & Waste Management Association*, Vol. 69, No. 4: 423-437. <https://doi.org/10.1080/10962247.2018.1543736>.
4. Chau-Thuy Pham, Yaowatat Boongla, Trung-Dung Nghiem, Huu-Tuyen Le, Ning Tang, Akira Toriba and Kazuichi Hayakawa, 2019. Emission Characteristics of Polycyclic Aromatic Hydrocarbons and Nitro-Polycyclic Aromatic Hydrocarbons from Open Burning of Rice Straw in the North of Vietnam. *International Journal of Environmental Research and Public Health*, 16(13), 2343. <https://www.mdpi.com/1660-4601/16/13/2343>.
5. Nguyen Thi Thu Thuy, Nghiem Trung Dung, Kazuhiko Sekiguchi, Ly Bich Thuy, Nguyen Thi Thu Hien, Ryosuke Yamaguchi, 2018. Mass concentrations and carbonaceous compositions of PM<sub>0.1</sub>, PM<sub>2.5</sub>, and PM<sub>10</sub> at urban locations in Hanoi, Vietnam. *Aerosol and Air Quality Research*, Vol. 18, Issue 7: 1591–1605, <http://www.aaqr.org/article/detail/AAQR-17-11-2017AAC-0502>.