



PHAN DINH TUAN

Professor

Ministry of Natural Resources and Environment
**Ho Chi Minh City University of Natural
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Language(s): English, Russian, German, Vietnamese

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Potential areas for PhD supervision:

- ~ Chemical and Environmental Engineering
- ~ Mineral beach sand technology
- ~ Inorganic Materials and Nano Technology
- ~ Waste management and Recycle technology

Supervising experience:

- 6 PhD students
- 1 PhD student, 8 Master students
- 2 PhD students, 10 Master students
- 1 PhD student, 5 Master students

Employment history in last 5 years:

2015 – present Ho Chi Minh City University of Natural Resources and Environment

Membership of professional association:

1981-2001 Vice-Director, Institute of Technology of Radioactive and Rare Elements, Viet Nam

2001-2013 Vice-Rector, Ho Chi Minh City University of Technology, Viet Nam

2013 – 2019 Rector, Ho Chi Minh City University of Natural Resources and Environment, Viet Nam

Member of Vietnam Association of Chemistry, Vietnam Association of Chemical Engineers, Vietnam Association of Sciences of Natural products.

Education – since bachelor degree:

- Professor of Chemistry, The State Council for Professor, Ha Noi City, Viet Nam, 2018.
- Associate Professor of Chemistry, The State Council for Professor, Ha Noi City, Viet Nam, 2007.
- Doctor of Philosophy, Hanoi University of Science and Technology (HUST), Ha Noi City, Viet Nam, 1999.
- Bachelor of Chemical Engineering, Hanoi University of Science and Technology (HUST), Ha Noi City, Viet Nam, 1981.



Selected recent papers:

1. Nguyen Quoc Hien*, **Phan Dinh Tuan**, Dang Van Phu, Le Anh Quoc, Nguyen Thi Kim Lan, Nguyen Ngoc Duy, Tran Thai Hoa, Gamma Co-60 ray irradiation synthesis of dextran stabilized selenium nanoparticles and their antibacterial activity against *E. coli*, Materials Chemistry and Physics, 2017 (Published 2018), DOI:[10.1016/j.matchemphys.2017.11.003](https://doi.org/10.1016/j.matchemphys.2017.11.003).
2. Dinh S. Khang, Raymond R. Tan, O. Manuel Uy, Michael Angelo B. Promentilla, **Phan D. Tuan**, Naoya Abe & Luis F. Razon, A design of experiments approach to the sensitivity analysis of the life cycle cost of biodiesel, Clean Technologies and Environmental Policy 20(5), DOI: 10.1007/s10098-017-1384-3.
3. Dinh S.Khang, Raymond R.Tan, O. ManuelUy, Michael Angelo B.Promentilla, **Phan D.Tuan**, NaoyaAbe, Luis F.Razon, Design of experiments for global sensitivity analysis in lie cycle assessment: The case of biodiesel in Vietnam, [Resources, Conservation and Recycling Volume 119](#), April 2017, Pages 12-23.
4. **Tuan Dinh Phan** and Nga Thi Dinh, Highly Efficient Treatment of Shrimp Farm Wastewater by Using the Horizontal Subsurface Flow (HSSF) Constructed Wetlands with *Phragmites australis* Plant, Asian Journal of Environment & Ecology, 4(3): 1-9, 2017; Article no.AJEE.37021 ISSN: 2456-690X.
5. [Dinh Khang](#), [Michael Angelo B. Promentilla](#), [Raymond Tan](#), [Naoya Abe](#), [Tuan Phan Dinh](#), [Luis Razon](#), Multi-criteria approach to assess stakeholders preferences for selection of biodiesel feedstock in Vietnam, January 2016, International Journal of Business and Systems Research 10(2/3/4):306, DOI: 10.1504/IJBSR.2016.075738.
6. FlorencioBallesteros Jr., Tran Hau Vuong, Mona Freda Secondes, **Phan Dinh Tuan**, Removal efficiencies of constructed wetland and efficacy of plant on treating benzene, Sustainable Environment Research, [Volume 26, Issue 2](#), March 2016, Pages 93-96.
7. Tuyet suong Tran 1,2, Jian Yu 1,* , Lina Gan 1,2, Feng Guo 1, **Dinh Tuan Phan** 1 and Guangwen Xu 1,* Upgrading V2O5-WO3/TiO2 deNOx Catalyst with TiO2-SiO2 Support Prepared from Ti-Bearing Blast Furnace Slag, Catalysts 2016, 6, 56; doi:10.3390/catal6040056.
8. Nguyen Thi Lan Phi, Pham Van Hung, Pham Thi Lan Chi & **Phan Dinh Tuan**, Impact of Growth Locations and Genotypes on Antioxidant and Antimicrobial Activities of Citrus Essential Oils in Vietnam, Journal of Essential Oil Bearing Plants, 18:6, 1421-1432, DOI: 10.1080/0972060X.2015.1004124.

9. Nguyen Thi TrucLinh, **Phan Dinh Tuan**, and Nguyen Van Dzung, The Shifts of Band Gap and Binding Energies of Titania/Hydroxyapatite Material, Hindawi Publishing Corporation Journal of Composites Volume 2014, Article ID 283034, 5 pages , <http://dx.doi.org/10.1155/2014/283034>.
10. Nguyen Thi Truc Linh, **Phan Dinh Tuan**, Nguyen Van Dzung, Application of nano TiO₂/Hydroxylapatite composite as photocatalyst in the degradation of phenol in aqueous solution, AARJMD Volume 1, Issue 21 (May 2014), ISSN: 2319 – 2801.
11. Nguyen Thi Truc Linh, **Phan Dinh Tuan**, Nguyen Van Dzung, Photocatalytic Activity of TiO₂-calcium Phosphate Nanocomposite on the Removal of Methylene Blue in Aqueous Suspension, Advanced Materials Research Vols. 622-623 (2013) pp 995-999 © (2013) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.622-623.995.
12. Nam T.S. Phan*, Ky K.A. Le, **Tuan D. Phan**, MOF-5 as an efficient heterogeneous catalyst for Friedel-Crafts alkylation, Applied Catalysis A: General 382 (2010) 246–253.