



PUBLICATION:

1. **NhungThi-Tuyet Hoang**, Tran Tien Khoi, QuyenThi-Kim Tran, and Nguyen The Vinh (2016). Solar Disinfection Pilot for Drinking Water Using Gel-Derived Ag-TiO₂-SiO₂, 3rd International Conference on Green Technology and Sustainable Development, 263 – 266.
2. **NhungThi-Tuyet Hoang**, AnhThi-Kim Tran, Nguyen Van Suc, The-Vinh Nguyen (2016). Antibacterial activities of gel-derived Ag-TiO₂-SiO₂ nanomaterials under different light irradiation, AIMS Materials Science, 3(2): 339-348.
3. **HoàngThịTuyếtNhưng**, Khoi Tran Nguyen, The Vinh Nguyen, Hoang Anh Hua (2015). Continuous-flow disinfection reactor for drinking water using gel-derived Ag-TiO₂- SiO₂ catalyst under UV-C light, Third International Conference On Advances in Applied Science and Environmental Engineering - ASEE 2015, pp 118-123, ISBN 978-1-63248-055-2, 11-12/4/2015, Malaysia
4. **NhungThi-Tuyet Hoang**, Nguyen Van Suc and The-Vinh Nguyen (2015). Bactericidal activities and synergistic effects of Ag-TiO₂ and Ag-TiO₂-SiO₂ nanomaterials under UV-C and dark conditions, Int. J. Nanotechnol., Vol. 12, 367-379.
5. **Hoang Thi Tuyet Nhung**, Doan Thi Kim Quyen, Tran Tien Khoi, Nguyen The Vinh (2014). Study on the disinfection of E.coli bacteria using gel-derived Ag-TiO₂-SiO₂ catalyst under UV-C light, Science & Technology Development, Vol 17, No.M2-2014, 72-78.
6. **Hoang ThiTuyetNhưng**, ĐoanThi Kim Quyen, Le ThiThanhQuynh, Nguyen Van Suc, Phan Tri Thanh and Nguyen The Vinh (2014). Bactericidal activity of impregnation-derived Ag-TiO₂-P25 and gel-derived Ag-TiO₂-SiO₂ thin film in dark Proceeding of ICENR 2014, 17-18 June, Ho Chi Minh city,145.
7. **NhungThi-Tuyet Hoang**, Thi – Thanh Hoang, Duc – Huy Tien and The-Vinh Nguyen (2014). Synthesis of Arsenic absorbent from ferric sludge of water treatment plant, Journal of Science and Technology No.52 (3A), 1-6, 2014
8. **NhungThi-Tuyet Hoang**, Tan-Phat Truong, Dang HoaNguyễn, Nguyen Van Suc and The-Vinh Nguyen (2013). Synergistic effects of Ag-TiO₂ and Ag-TiO₂-SiO₂ nanomaterials for disinfection of bacteria under UV-C and dark conditions, Proceeding of IWNA 2013, 14-16 Nov, Vung Tau province, 700-703.

9. **NhungThi-Tuyet Hoang**, Phi-Phung Pham, Tien-Khoi Tran ,The-Vinh Nguyen (2013). Disinfection of swimming pool water over N-doped $\text{TiO}_2\text{-SiO}_2$ catalyst under natural sunlight, The 2013 International Symposium on Advanced Engineering, pp161-164
10. **Hoang ThiTuyetNhung** and Nguyen The Vinh (2013). Effect of influent concentrations of heavy metal ions in a drinking water treatment unit using iron-based adsorbent on their removal efficiencies, Journal of Science and Technology, Vol.51(3B), 61-67.
11. **Hoang ThiTuyetNhung** and Nguyen The Vinh (2012). Synthesis of iron-based adsorbent for low-cost treatment of drinking water, Journal of Science and Technology Vol. 50(1C), 100-108.