

CURRICULUM VITAE

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NATIONALITY : Thai
EDUCATION :
 1994 - 1998 Kasetsart University B.Sc. (Chemistry, Honors)

SCHOLARSHIPS :
 1994 – 1999 The Development and Promotion of Science and
 Technology Talents Project (DPST) Scholarship,
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 1999 – 2005 The Royal Golden Jubilee Ph.D. Program,
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PUBLICATIONS:

1. Warakulwit, C.; Bamrungsap, S.; Luksirikul, P.; Khongpracha, P.; Limtrakul, J. *Diels-Alder cycloadditions of single-wall carbon nanotubes with electron-rich dienes: A theoretical study*. Studies in Surface Science and Catalysis (2005), 156 (Nanoporous Materials IV), 823-828.
2. Limtrakul, J.; Nanok, T.; Jungsuttiwong, S.; Khongpracha, P.; Truong, T. N. *Adsorption of unsaturated hydrocarbons on zeolites: the effects of the zeolite framework on adsorption properties of ethylene*. Chemical Physics Letters (2001), 349 (1,2), 161-166.
3. Jungsuttiwong, S.; Khongpracha, P.; Truong, T. N.; Limtrakul, J. *A theoretical study of adsorption of carbon monoxide on Ag-ZSM-5 zeolite*. Studies in Surface Science and Catalysis (2001), 135 (Zeolites and Mesoporous Materials at the Dawn of the 21st Century), 2518-2525.

3. Limtrakul, J.; Nokbin, S.; Chuichay, P.; Khongpracha, P.; Jungsuttiwong, S.; Truong, T. N. *Coverage effects on adsorption of water in faujasite: an ab initio cluster and embedded cluster study*. Studies in Surface Science and Catalysis (2001), 135 (Zeolites and Mesoporous Materials at the Dawn of the 21st Century), 2469-2476.
4. Limtrakul, J.; Jungsuttiwong, S.; Khongpracha, P. *Adsorption of carbon monoxide on H-FAU and Li-FAU zeolites. An embedded cluster approach*. Journal of Molecular Structure (2000), 525, 153-162.
5. Limtrakul, J.; Khongpracha, P.; Jungsuttiwong, S.; Truong, T. N. *Adsorption of carbon monoxide in H-ZSM-5 and Li-ZSM-5 zeolites. An embedded ab initio cluster study*. Journal of Molecular Catalysis A: Chemical (2000), 153 (1-2), 155-163.

CONFERENCES / WORK SHOPS:

1. Namuangruk, S.; Khongpracha, P.; Limtrakul, J. ***"Reaction mechanisms of nitrous oxide decomposition on carbon nanotubes"***, the 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006.
2. Sawangphruk, M.; Artrith, N.; Khongpracha, P.; Limtrakul, J. ***"Influence of -CH₃, -C₆H₅, -F and -CNT on the hydrogen-bonded adenine/thymine adduct"***, the 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006.
3. Khongpracha, P.; Warakulwit, C.; Bamrungsap, S.; Luksirikul, P.; Limtrakul, J. ***"Interaction of the different types of dienes with single wall carbon nanotube (SWNT) and C₆₀: A QM/MM study"***, the 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005.
4. Lewis, J. P.; Treesukol, P.; Nguyen, H.; Khongpracha, P.; Truong, T. N.; Limtrakul, J. ***"Proton siting in zeolites: A full quantum embedded cluster study"***, the 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, 2002.
5. Jungsuttiwong, S.; Khongpracha, P.; Sirijaraensre, J.; Truong, T. N.; Limtrakul, J. ***"An embedded density functional study of Beckmann rearrangement mechanism on H-ZSM-5 catalyst"***, the 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, 2002.