

CURRICULUM VITAE

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EDUCATION	: <u>YEAR</u>	<u>INSTITUTION</u>	<u>DEGREE/DIPLOMA</u>
	2000	Khon Kaen Univ.	B.S. (Chemistry)
	2002	Kasetsart Univ.	M.S. (Chemistry)

SCHOLARSHIP :

2000 – 2001	Ministry of University Affairs under the Science and Technology Higher Education Development Project (MUA-ADB funds)
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2002 – 2004	Ministry of University Affairs under the Science and Technology Higher Education Development Project (MUA-ADB funds)
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PUBLICATIONS :

- B. Boefka, J. Sirijareansre, P. Pantu and J. Limtrakul in the topic of “*A quantum chemical study of the interaction of carbonyls with H-ZSM-5 zeolite*”, published in the *Studies in Surface Science and Catalysis Vol. 154*, **2004**, p. 1582-1588.
- J. Sirijaraensre and J. Limtrakul in the topic of “*The influence of the framework on structures and energetic profiles of the vapor phase Beckmann rearrangement on different types of zeolite*”, published in the *Preprints - American Chemical Society, Division of Petroleum Chemistry Vol. 49*, **2004**, p. 222-226.
- J. Sirijaraensre, T. N. Truong and J. Limtrakul in the topic of “*Density Functional Study of the Mechanism of the Beckmann Rearrangement Catalyzed by H-ZSM-5: A Cluster and Embedded Cluster Study*”, published in the *Journal of Physical Chemistry B Vol. 109*, **2005**, p. 12099-12106.

- J. Sirijaraensre and J. Limtrakul in the topic of *"Vapor phase Beckmann rearrangement of oxime molecules over H-Faujasite zeolite: Influence of the framework and substituted group effects to structures and energetic profiles"*, in preparation.

CONFERENCES / WORK SHOPS (oral and poster)

- S. Jungsuttiwong, P. Khongpracha, J. Sirijaraensre, T. N. Truong and J. Limtrakul in *"An embedded density functional study of Beckmann rearrangement mechanism on H-ZSM-5 catalyst"*, Abstracts of Papers, 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, **2002**, *poster presentation*.
- J. Sirijaraensre and J. Limtrakul in *"The influence of the framework to structures and energetic profiles of the vapor phase of the Beckmann rearrangement on different types of zeolite"*, Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United States, March 28-April 1, **2004**, *oral presentation*.
- J. Limtrakul and J. Sirijaraensre in *"Influence of the framework and substituted group effects to the structures and energetic profiles of the vapor phase of the Beckmann rearrangement on nanoporous Faujasite zeolite"*, Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, **2005**, *poster presentation*.