

Biographical Data

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Dr. Supunee Junpirom

Education and Qualifications:

- 2000 B.Eng. (Chemical Engineering), Suranaree University of University.
2007 Ph.D. (Chemical Engineering), Suranaree University of University.

Present Position:

Lecturer, School of Chemical Engineering, Suranaree University of Technology.

Work Experience:

- 6/2009-Present Lecturer, School of Chemical Engineering,
Suranaree University of Technology.
12/2007-5/2009 Postdoctoral researcher at School of Chemical Engineering,
Suranaree University of Technology.
3/2008-11/2008 Postdoctoral researcher at Department of Chemical
Engineering, University of Queensland, Australia.
4/2007-11/2007 Assistant researcher at School of Chemistry,
Suranaree University of Technology.

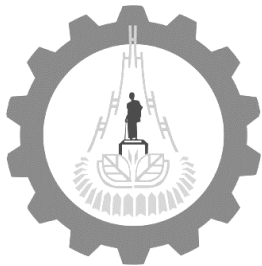
Recognitions and Awards :

- 2005 Best presentation award of poster presentation session at ICCE2005,
India.
2006 Honorary award for graduate student from Suranaree University of
Technology.

Academic Output:

International Publication:

- 1) S. Junpirom, D.D. Do, C. Tangsathitkulchai and M. Tangsathitkulchai, "A carbon activation model with application to longan seed char gasification", *Carbon* 2005; 43 (9): 1936-1943.
- 2) A. Wongkoblapp, S. Junpirom and D.D. Do, "Adsorption of Lennard-Jones fluids in carbon slit pores of a finite length. A computer simulation study", *Adsorption Science and Technology* 2005; 23 (1): 1-18.



- 3) S. Junpirom, C. Tangsathitkulchai and M. Tangsathitkulchai and Y. Ngernyen, "Water adsorption in activated carbons with different burn-offs and its analysis using a cluster model", ***Korean Journal of Chemical Engineering*** 2008; 25 (4): 825-832.
- 4) L.F. Herrera, S. Junpirom, D.D. Do and C. Tangsathitkulchai, "Computer synthesis of char and its characterization", ***Carbon*** 2009; 47(3): 839-849.
- 5) D.D. Do, S. Junpirom and H.D. Do, "A new adsorption-desorption model for water adsorption in activated carbon", ***Carbon*** 2009; 47: 1466-1473.
- 6) S. Junpirom, C. Tangsathitkulchai and M. Tangsathitkulchai. "Thermogravimetric analysis of longan seed biomass with a two-parallel reactions model", ***Korean Journal of Chemical Engineering*** 2010; 27 (3): 791-801.
- 7) D.D. Do, S. Junpirom, D. Nicholson and H.D. Do, "Importance of molecular shape in the adsorption of nitrogen, carbon dioxide and methane on surfaces and in confined spaces", ***Colloids and Surfaces A: Physicochemical and Engineering Aspects*** 2010; 353 (1): 10-29.

National Publication:

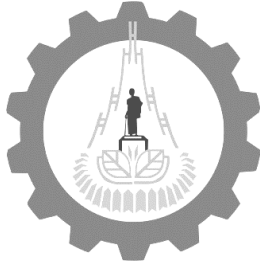
- 1) S. Junpirom, C. Tangsathitkulchai and M. Tangsathitkulchai, "Preparation of activated carbons from longan seed by physical and chemical methods (in Thai)", ***Suranaree Journal of Science and Technology*** 2007; 14 (1): 63-76.

Conferences:

- 1) S. Junpirom, C. Tangsathitkulchai and M. Tangsathitkulchai, "Activated carbon from longan seed by carbon dioxide activation", Oral presentation in Regional Symposium on Chemical Engineering (**RSCE2004**). 1st-3rd December 2004, Bangkok, Thailand.

Conference abstract:

- 1) S. Junpirom, C. Tangsathitkulchai and M. Tangsathitkulchai, "Water adsorption equilibrium of longan seed activated carbons", Poster presentation in International Congress of Chemistry and Environment (ICCE2005). 24th-26th December 2005, Indore, India.



- 2) S. Junpirom, C. Tangsathitkulchai and M. Tangsathitkulchai, "Carbonization temperature effect on the porous properties of physically activated carbon from longan seed", Oral presentation in International of Carbon conference 2006 (Carbon2006). 16th-21st July 2006, Aberdeen, Scotland, UK.
- 3) P. Luangkiattikul, Y. Ngernyen, S. Junpirom, C. Tangsathitkulchai and M. Tangsathitkulchai, "A char gasification model for predicting the porous properties of activated carbons", Regional Symposium on Chemical Engineering (RSCE2006). 3rd-5th December 2006, Nanyang Technological University, Singapore.
- 4) C. Tangsathitkulchai, S. Junpirom and M. Tangsathitkulchai, "Simulation of porous properties in activated carbon by the carbon activation model", 17th Thailand Chemical Engineering and Applied Chemistry Conference (TICChE 17). 28th-30th October 2007, Chiang Mai, Thailand.
- 5) A. Wongkoblaph, W. Tantikul, S. Junpirom and C. Tangsathitkulchai, "Adsorption of carbon dioxide in activated carbon: computer simulation and experiment studies", 18th Thailand Chemical Engineering and Applied Chemistry Conference (TICChE 18). 20th-21st October 2008, Pattaya, Thailand.